

**Inequality and Poverty in Africa: Comparing Panels of Income Distributions from
Different Data Sources**

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Abstract

A panel of income distributions for 28 African countries for the period 1997-2010 is developed. For each country/year, generalised method of moments estimates of mixtures of lognormal distributions are estimated from income share data and four different sources of mean incomes – PWT7.1, PWT8.0, PWT9.0 and UQICD. Methods for interpolating or extrapolating shares are proposed for country/years where share data are not available. The estimated income distributions are used to compute measures of inequality and poverty for each country/year and for the combined 28 countries. All estimates are provided in a supplementary appendix for use by future researchers. Using the results for six example countries and Africa as a whole, we demonstrate how critical choice of mean incomes can be for poverty measurement.

Keywords: lognormal mixtures; generalised method of moments; interpolation; extrapolation.

JEL codes: C33, O55

1. Introduction

A critical issue in the fight against poverty and inequality is our ability to obtain suitable measures of the incidence of poverty and the magnitude of inequality for countries of interest as well as for aggregations of countries. Measurement of these quantities and how they change over time requires information on the income shares of population groups and on mean incomes expressed in terms of relevant currency units. When attempting to trace how income shares and mean incomes change over time one discovers that income share data are incomplete – they are not available in every year for all countries – and there are several alternative sources of mean income.

In this paper we propose methods for interpolation and extrapolation to obtain a complete set of income share data for 28 African countries over the period 1997-2010. Having obtained the share data, we then investigate the sensitivity of poverty measurement to alternative-source measures of mean income. Inequality and poverty measures are computed from mixtures of lognormal distributions which are estimated for each country/year combination and for 4 different sources of mean income – a total of $4 \times 14 \times 28 = 1,568$ lognormal mixtures. The alternative sources for the means are three versions of the Penn World Tables (PWT7.1, PWT8.0, PWT9.0) and the University of Queensland International Comparisons Database (UQICD)¹. The focus is on a collection of African countries given their critical importance in the context of global poverty and inequality.

The growth performance of some African countries has been spectacular in recent years. Guinea, Ethiopia, Ghana and Cote d'Ivoire were among the ten fastest growing economies in the world in 2017, posting growth rates of 12.7, 10.25, 8.51 and 7.80% respectively². There are ten African economies which have posted a growth rate in excess of 5%. However, these economies have low rankings in terms of real per capita GDP. Based on a poverty line setting of \$1.90 per day for 2011, the World Bank has estimated that poverty in sub-Saharan Africa reduced from 54.3% in 1990 to 41.1% in 2015. An incidence of extreme poverty still remains.

¹ Throughout we refer to mean income and income distributions although, more accurately, we deal with consumption data. The share data are based on expenditure and in each case the means are calculated from the consumption component of GDP.

² en.wikipedia.org; 30th October, 2018

Our objective is not only to track poverty and inequality in Africa, and to examine the sensitivity of its estimates to data sources, but also to provide a useful resource for other researchers. The 14-year panel of income distributions for 28 countries can be used by others to investigate numerous research questions.

The different sources of mean incomes are based on different methodologies. The PWT7.1 and its predecessors were compiled by extrapolating the latest available purchasing power parity (PPP) data from the World Bank³. The later versions, PWT8.0 and PWT9.0, make use of PPPs from multiple benchmark years and therefore signify a major shift in the way panels of PPPs and real expenditures are compiled^{4,5}. In contrast, the UQICD methodology uses all available PPP data⁶.

The mixtures of lognormal distributions are estimated using a generalized method of moments (GMM) procedure proposed by Griffiths and Hajargasht (2012). Once GMM estimates of lognormal mixtures have been obtained from one source of mean incomes, the estimates for other sources can be obtained via parameter transformations. In what follows we describe the data, methods for estimation, interpolation and extrapolation of shares, transformation of parameters, and various other aspects of the methodology. Results are presented for a sample of six countries, namely Angola, Ethiopia, Kenya, Nigeria, South Africa and Tanzania, and for the combined total of 28 countries. A complete set of results for every country/year combination are provided in a supplementary appendix which can be found on a web page. These results include:

1. Estimates for the parameters of the log-normal mixture income distributions for each source of mean income data.
2. Inequality estimates from the Gini and Theil coefficients.
3. Poverty measures (headcount ratio, FGT2 and Watts measures) for each source of mean income.
4. A welfare measure based on constant mean income and the Gini coefficient for each source of mean income.

³ <https://www.rug.nl/ggdc/productivity/pwt/pwt-releases/pwt-7.1> and Heston et al (2012).

⁴ <https://www.rug.nl/ggdc/productivity/pwt/pwt-releases/pwt8.0> and Feenstra et al (2015).

⁵ <https://www.rug.nl/ggdc/productivity/pwt/> and Feenstra et al (2015).

⁶ <http://uqicd.economics.uq.edu.au/> and Rao et al (2010a, 2010b).

Also supplied are supplementary tables with the current and constant price means used for estimation and computations, and a comparison of the current price means from the data sources with those estimated from the lognormal mixtures. For aggregating results across the 28 countries, population data are required. We use and report the population data provided by the different sources of mean income, namely, PWT7.1, PWT8.0, PWT9.0 and UQICD.

We find that conclusions about levels and trends in poverty are highly sensitive to the choice of mean incomes, and hence to the purchasing power parity (PPP) methods used to make those incomes comparable. Earlier studies that have examined the implications of different PPP methods and data adequacy for GDP and growth measurement include Ponomareva and Katayama (2010), Jerven (2013) and Johnson et. al. (2013). A special issue of *Review of Income and Wealth* (Klasen and Blades 2013) has been devoted to measurement challenges for Africa. Other related studies of Africa are those by Jirasavetakul and Lakner (2016) who fit Lorenz curves to analyze changes in inequality from 1993 to 2008, and Beradi and Marzo (2017) who examine the effect of sectoral GDP growth on poverty reduction in 22 African countries. More generally, the merit and implications of alternative data sources have been considered in a special journal issue edited by Ferreira and Lustic (2015) and by Lustic and Teles (2016).

In a sequence of two papers Sala-i-Martin and Pinkovskiy, hereafter SP, (Sala-i-Martin and Pinkovskiy 2010, Pinkovskiy and Sala-i-Martin 2014) also examine changes in inequality and poverty in Africa, first from 1970-2006, and then from 1990-2011. Like our study, they use share data from surveys and means from national accounts, estimate parametric income distributions for each country/year, interpolate and extrapolate where necessary for missing data, and investigate the sensitivity of results to different sources of national-income means. Despite this similarity in general framework, our study differs in several dimensions. The main differences are: (1) We use share data from the World Bank, mostly consisting of 20 shares; SP use quintile shares from Chen and Ravallion (2010) supplemented with data from WIDER. (2) SP's "baseline" mean incomes are from PPP-adjusted GDP data from the World Bank. For robustness checks they also include mean incomes from PWT7.1 and PWT8.0, but not PWT9.0, nor UQICD. (3) SP use income data rather than consumption data, with consumption shares adjusted where necessary. (4) Our analysis is based on 28 countries for which there

are two or more years of share data. In their category A, SP have 32 countries with two or more years of share data. (5) SP estimate 2-parameter distributions (lognormal, gamma and Weibull) from three or five quintile shares using moment conditions for those shares, but without considering the optimal covariance matrix. For some cases they compute a scale parameter estimate from the empirical Gini coefficient. We estimate lognormal mixture distributions, which, depending on the choice of the mixture have 4–8 parameters. Our GMM estimation procedure uses moment conditions for both the shares and the group means and weights those moment conditions optimally. Most estimations use 20 shares and 20 group means. (6) We employ different methods for interpolation and extrapolation. Our conclusions about poverty reduction turn out to be in general agreement with those of SP, although results from some countries point to a number of differences. It is difficult to isolate the reasons for the differences, given the several dimensions in which the two studies differ. However, clearly the choice of data and methods of estimation do matter.

In the sections following we integrate discussion about the methodology and the data so that the data requirements for each methodological step, and the need for each methodological step become clear. These steps and the sections in which they appear are:

1. Using current price means from PWT8.0, lognormal mixture distributions are estimated for those country/years for which income share data were available from the World Bank PovcalNet web site. (Section 2.)
2. Methods for interpolation and extrapolation are used to estimate income shares for country/years where share data were not available. These estimated shares and PWT8.0 means are used to estimate lognormal mixture distributions. (Section 3.)
3. To find lognormal mixture distributions that correspond to mean incomes from PWT7.1, PWT9.0 and UQICD, the parameters of the lognormal mixtures from PWT8.0 are transformed. (Section 4.)
4. Theil and Gini inequality measures are calculated using parameter estimates from the lognormal mixtures. Headcount ratio, FGT2 and Watts poverty measures are computed for each mean income source using parameter estimates from the lognormal mixtures. Welfare estimates based

on constant price means from each data source and Gini coefficient estimates are calculated. (Section 5.)

5. Methods for aggregating the results for all 28 countries are described. (Section 6.)

Results for the sample of 6 countries and the aggregation of results for all 28 countries are presented in Section 7. Section 8 contains some concluding remarks.

2. Estimating Lognormal Mixtures

The income share data were downloaded from the World Bank PovcalNet web site. Because this project spanned a number of years and the World Bank constantly update their data, it is difficult to give a definite date at which the data were downloaded. The dates varied throughout the process, but the last date was February, 2015. The countries investigated and the data available for them are depicted in Figure 1. The yellow rectangles are the country/years for which share data were available. Some of those rectangles fall outside the 1997-2010 study period; the share data from these cases were used to aid interpolation but not used to estimate a lognormal mixture income distribution. The green rectangles denote years where interpolated shares were used for estimating the distributions and the orange rectangles are for country/year combinations where extrapolated shares were used. The choice of countries was determined by the availability of share data, with two omissions more for convenience. Countries for which two or more years of share data were not available were excluded from the study. Cote d'Ivoire was omitted because GMM estimation did not converge. Seychelles was omitted because of a lack of PWT8 data. The final 28 countries are a subset of the 32 in SP's category A, with one exception. Countries that were in SP's category A but not in our study are Botswana, Cote d'Ivoire, Gabon, Seychelles, and Zimbabwe. Angola was included in our study, but not in SP's category A.

To describe the estimation methodology, we begin by introducing some notation. We assume that, in year t , there are I income shares $s_{t,1}, s_{t,2}, \dots, s_{t,I}$ corresponding to sample proportions of observations $c_{t,1}, c_{t,2}, \dots, c_{t,I}$. Boundaries for the income classes are denoted by $a_{t,0}, a_{t,1}, \dots, a_{t,I}$ with $a_{t,0} = 0$ and $a_{t,I} = \infty$. Data on these boundaries are not available. However, they can be estimated along with the parameters of the lognormal mixtures.

The initial series of mean incomes at current prices, \bar{y}_t , were calculated from the data series in PWT8.0 as

$$\bar{y}_t = csh_c_t \times \left(\frac{cgdpe_t}{pop_t} \right)$$

where

pop_t = population

csh_c_t = share of household consumption at current PPPs.

$\frac{cgdpe_t}{pop_t}$ = expenditure side real GDP per capita at current PPPs.

for $t = 1997, 1998, \dots, 2010$. This calculation suggests that a more accurate description of our “income distributions” would be “consumption distributions”. We use consumption as a preferred measure of welfare, but continue to use the generic term income distributions. To estimate current-price distributions we use the mean incomes from each group given by

$$\bar{y}_{t,i} = \frac{s_{t,i} \bar{y}_t}{c_{t,i}}, \quad i = 1, 2, \dots, I$$

Hajargasht et al (2012) developed GMM methodology for estimating income distributions from data in this form. General expressions for the moments and weight matrix required for any assumed distribution are derived, and then specified for special cases such as the generalized beta distribution and its special case distributions (beta, Singh-Maddala, Dagum), the generalized gamma distribution, and the lognormal distribution. With a view to finding a more flexible distribution, in a subsequent paper Griffiths and Hajargasht (2012) specified the required conditions for a mixture of lognormal

distributions and showed the superiority of the mixture over the earlier choices. This methodology is used in the current paper to obtain GMM estimates of lognormal mixture distributions.

To briefly summarize the estimation technique, we assume a sample of N observations (y_1, y_2, \dots, y_N) has been randomly drawn from a parametric income distribution $f(y; \boldsymbol{\phi})$, where $\boldsymbol{\phi}$ is a vector of unknown parameters, and grouped into the I income classes $(a_0, a_1), (a_1, a_2), \dots, (a_{I-1}, a_I)$, with $a_0 = 0$ and $a_I = \infty$. The available data are the class mean incomes $\bar{y}_1, \bar{y}_2, \dots, \bar{y}_I$, the proportions of observations in each class c_1, c_2, \dots, c_I , and the income shares for each income class, s_1, s_2, \dots, s_I . For convenience we have dropped the t subscript introduced earlier. For each country/year combination, the estimation problem is to estimate $\boldsymbol{\phi}$, along with the unknown class limits $\mathbf{a}' = (a_1, a_2, \dots, a_{I-1})$ which are typically unknown.

To facilitate estimation, we define the indicator functions

$$g_i(y) = \begin{cases} 1 & \text{if } a_{i-1} < y < a_i \\ 0 & \text{otherwise} \end{cases} \quad \text{for } i = 1, 2, \dots, I \quad (1)$$

Let $N_i = c_i N$; the proportion of population c_i and the class mean income \bar{y}_i can be written as

$$c_i = \frac{N_i}{N} = \frac{1}{N} \sum_{n=1}^N g_i(y_n) \quad (2)$$

$$\bar{y}_i = \frac{s_i \bar{y}}{c_i} = \frac{1}{N_i} \sum_{n=1}^N y_n g_i(y_n) \quad (3)$$

In terms of estimation, it is more convenient to use \tilde{y}_i where

$$\tilde{y}_i = c_i \bar{y}_i = \frac{1}{N} \sum_{n=1}^N y_n g_i(y_n) \quad (4)$$

The GMM estimator is given by

$$\hat{\boldsymbol{\theta}} = \arg \min_{\boldsymbol{\theta}} \mathbf{H}(\boldsymbol{\theta})' \boldsymbol{\Omega} \mathbf{H}(\boldsymbol{\theta}) \quad (5)$$

where $\boldsymbol{\theta}' = (\boldsymbol{\phi}', \mathbf{a}')$ contains the unknown parameters of the income distribution including the unknown class limits, $\mathbf{H}(\boldsymbol{\theta})$ is a set of moments constructed for c_i and \tilde{y}_i such that the moment conditions

$E[\mathbf{H}(\boldsymbol{\theta})] = \mathbf{0}$ are suitable for estimating $\boldsymbol{\theta}$, and $\boldsymbol{\Omega}$ is a weight matrix. The population moments that correspond to the sample moments c_i and \tilde{y}_i , given in (2) and (4), are

$$k_i(\boldsymbol{\theta}) = \int_0^{\infty} g_i(y) f(y; \boldsymbol{\phi}) dy = E[g_i(y)] \quad (6)$$

$$m_i(\boldsymbol{\theta}) = \int_0^{\infty} y g_i(y) f(y; \boldsymbol{\phi}) dy = E[yg_i(y)] \quad (7)$$

The moment conditions that make up the components of $\mathbf{H}(\boldsymbol{\theta})$ are $E(c_i - k_i) = 0$ and $E(\tilde{y}_i - m_i) = 0$.

After setting up the GMM objective function and using the optimal weight matrix derived by Hajargasht et al (2012), it can be shown that

$$\mathbf{H}'\boldsymbol{\Omega}\mathbf{H} = \sum_{i=1}^N \omega_{1i} (c_i - k_i)^2 + \sum_{i=1}^N \omega_{2i} (\tilde{y}_i - m_i)^2 - 2 \sum_{i=1}^N \omega_{3i} (c_i - k_i)(\tilde{y}_i - m_i) \quad (11)$$

where $\omega_{1i} = m_i^{(2)}/v_i$, $\omega_{2i} = k_i/v_i$, $\omega_{3i} = m_i/v_i$, $v_i = k_i m_i^{(2)} - m_i^2$, and

$$m_i^{(2)}(\boldsymbol{\theta}) = \int_{z_{i-1}}^{\tilde{z}_i} y^2 f(y; \boldsymbol{\phi}) dy = \int_0^{\infty} y^2 g_i(y) f(y; \boldsymbol{\phi}) dy = E[y^2 g_i(y)]$$

Equation (11) is a convenient one for finding the parameter values that minimize $\mathbf{H}'\boldsymbol{\Omega}\mathbf{H}$. The observable quantities in this equation are c_i and \tilde{y}_i . All other quantities are functions of the unknown parameters; k_i depends on the distribution function of the mixture of lognormals, m_i depends on the first moment distribution function, and $m_i^{(2)}$ depends on the second moment distribution function. With a view to expressing k_i, m_i and $m_i^{(2)}$ in terms of the parameters of the lognormal mixtures, we first define the distribution functions in general terms, then indicate how k_i, m_i and $m_i^{(2)}$ can be calculated from them, and then express the distribution functions in terms of the parameters of the lognormal mixtures.

The distribution function, and first and second order distribution function, are given, respectively, by `jyilppvflsdm`

$$F(y; \boldsymbol{\phi}) = \int_0^y f(t; \boldsymbol{\phi}) dt$$

$$F^{(1)}(y; \boldsymbol{\phi}) = \frac{1}{\mu} \int_0^y t f(t; \boldsymbol{\phi}) dt \quad (12)$$

$$F^{(2)}(y; \boldsymbol{\phi}) = \frac{1}{\mu^{(2)}} \int_0^y t^2 f(t; \boldsymbol{\phi}) dt \quad (13)$$

where $\mu = E(y)$ and $\mu^{(2)} = E(y^2)$. Using these functions, we can write the unknown quantities in (11)

in terms of the parameters $\boldsymbol{\phi}$ and the unknown class limits a_i

$$k_i(\boldsymbol{\theta}) = F(a_i; \boldsymbol{\phi}) - F(a_{i-1}; \boldsymbol{\phi}) \quad (14)$$

$$m_i(\boldsymbol{\theta}) = \mu \left(F^{(1)}(a_i; \boldsymbol{\phi}) - F^{(1)}(a_{i-1}; \boldsymbol{\phi}) \right) \quad (15)$$

$$m_i^{(2)}(\boldsymbol{\theta}) = \mu^{(2)} \left[F^{(2)}(a_i; \boldsymbol{\phi}) - F^{(2)}(a_{i-1}; \boldsymbol{\phi}) \right] \quad (16)$$

For a mixture of lognormal distributions, the general form of the density and distribution functions for a mixture with J components can be written as

$$f(y; \boldsymbol{\phi}) = \sum_{j=1}^J w_j f(y; \boldsymbol{\phi}_j) \quad \text{and} \quad F(y; \boldsymbol{\phi}) = \sum_{j=1}^J w_j F(y; \boldsymbol{\phi}_j)$$

where w_j is the unknown weight for component j . To distinguish the density and distribution functions for a country/year from the mixture components of these functions, we write $f(y; \boldsymbol{\phi})$ and $F(y; \boldsymbol{\phi})$ for the density and distribution functions for a given country/year, and $f(y; \boldsymbol{\phi}_j)$ and $F(y; \boldsymbol{\phi}_j)$ for the mixture-component density and distribution functions. The definition of $\boldsymbol{\phi}$ is extended to include the weights which also have to be estimated. Thus, we have $\boldsymbol{\phi}' = (\boldsymbol{\phi}'_1, \boldsymbol{\phi}'_2, \dots, \boldsymbol{\phi}'_J, w_1, w_2, \dots, w_{J-1})$. When using a mixture density, $k_i(\boldsymbol{\theta})$ and $m_i^{(\ell)}(\boldsymbol{\theta})$ are defined as

$$k_i(\boldsymbol{\theta}) = \sum_{j=1}^J w_j \left(F(a_i; \boldsymbol{\phi}_j) - F(a_{i-1}; \boldsymbol{\phi}_j) \right)$$

$$m_i^{(\ell)}(\boldsymbol{\theta}) = \sum_{j=1}^J w_j \mu_j^{(\ell)} \left(F^{(\ell)}(a_i; \boldsymbol{\phi}_j) - F^{(\ell)}(a_{i-1}; \boldsymbol{\phi}_j) \right) \quad \ell = 1, 2$$

For the lognormal components, the forms for $f(y; \boldsymbol{\phi}_j)$, $F(y; \boldsymbol{\phi}_j)$, $\mu_j^{(\ell)}$, and $F^{(\ell)}(y; \boldsymbol{\phi}_j)$ are:

$$f(y; \boldsymbol{\phi}_j) = \frac{1}{y \sqrt{2\pi\sigma_j}} \exp\left(-\frac{(\ln y - \beta_j)^2}{2\sigma_j^2}\right) \quad (17)$$

$$F(y; \phi_j) = \Phi\left(\frac{\ln(y) - \beta_j}{\sigma_j}\right) \quad (18)$$

$$\mu_j^{(\ell)} = \exp\left(\ell\beta_j + \frac{\ell^2\sigma_j^2}{2}\right) \quad (19)$$

and

$$F^{(\ell)}(y; \phi_j) = \Phi\left(\frac{\ln(y) - \beta_j - \ell\sigma_j^2}{\sigma_j}\right) \quad (20)$$

where β_j and σ_j^2 are parameters of the j th component of the mixture of lognormal distributions.

Two- and three- component lognormal mixtures were estimated for all country/year income distributions where share data were available. We found that parameters of mixtures with more than 3 components were not estimated accurately and convergence can be difficult. Also, we experimented with 2 and 3 component mixtures where the variances in 2 or more components were constrained to be the same. The final choice of a model was based on reliability of estimates as judged by their standard errors and the values of J statistics used to test the validity of the moment conditions. Under an assumption that the moment conditions are valid

$$Jstat = N\mathbf{H}(\hat{\theta})' \mathbf{\Omega}(\hat{\theta}) \mathbf{H}(\hat{\theta}) \xrightarrow{d} \chi_{(Q)}^2$$

where Q is the number of excess moment conditions. There are $2I - 1$ moment conditions comprising $I - 1$ from the shares and I from the class mean incomes. The number of parameters is equal to $I - 1$ (the number of class boundaries) plus the number of parameters in the mixture. Thus, for a 3-component mixture with no constrained variances, $Q = (2I - 1) - (I - 1) - 8 = I - 8$.

3. Interpolation and Extrapolation of Income Shares

For country/years where income share data were not available, two methods were used to estimate those shares. Interpolation was used to estimate shares for the country/years coloured green in Figure 1. In these cases available share data at end-point years (coloured yellow in Figure 1) were used for the interpolation. When end-point years were not available, extrapolation methods were used to estimate the country/years coloured orange in Figure 1. The distinction between interpolation and extrapolation is further illustrated in Figure 2. Suppose, in this Figure, that data on the population share for the i -th

group in the t -th year $c_{t,i}$ and the income share for the i -th group in the t -th year $s_{t,i}$ are available for a given country for years 1999 and 2004, but not available in any other years. The interpolation problem is to estimate distributions for the years 2000, 2001, 2002 and 2003. The extrapolation problem, which we consider subsequently is to estimate distributions for 1997, 1998, 2005 and 2006.

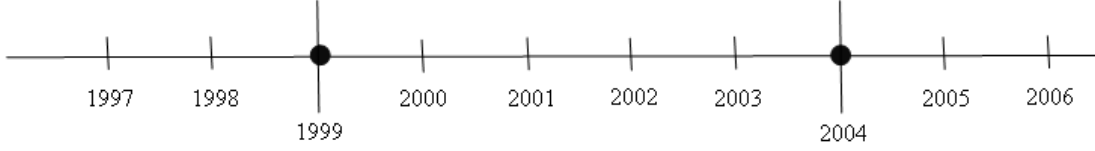


Figure 2: Interpolation and Extrapolation

To describe our method for interpolating the income shares, suppose data on $c_{t,i}$ and $s_{t,i}$ are available for years $t=0$ and $t=m$, but are not available for the intervening years $t=1,2,\dots,m-1$. Assume that $c_{0,i} = c_{m,i}$ for all i . For example, $c_{0,i} = c_{m,i} = 0.1$ for decile shares, although what is critical is that $c_{0,i} = c_{m,i}$ for each i ; the proportions in each group can be different. We assume that the change in the income shares for each income class for the intervening years is proportional to the total change in the income shares for the same income class between years $t=0$ and $t=m$. Specifically, interpolation is carried out by interpolating the income shares as follows:

$$s_{t,i} = s_{0,i} + \left(\frac{t}{m}\right)(s_{m,i} - s_{0,i}) = \left(1 - \frac{t}{m}\right)s_{0,i} + \frac{t}{m}s_{m,i} \quad (21)$$

It can be seen that the right-hand side is a weighted average of the observed shares in periods 0 and m . In cases where $c_{0,i} \neq c_{m,i}$, for interpolation we aggregated groups such that $c_{0,i} = c_{m,i}$. In most cases no aggregation was necessary. For estimation purposes the groups were not aggregated at $t=0$ and $t=m$.

For *extrapolation* of income distributions we use information from countries with similar income distributions. To introduce the approach, consider the three countries illustrated in Figure 3. These example scenarios do not exhaust all possible cases, but they are sufficient to describe the main issues. Suppose we are interested in estimating income distributions for countries A , B , and C for the five years from 2000 to 2004, inclusive. The availability of data on $c_{t,i}$ and $s_{t,i}$ is indicated with a black dot. For all other country-year combinations only \bar{y}_i are available.

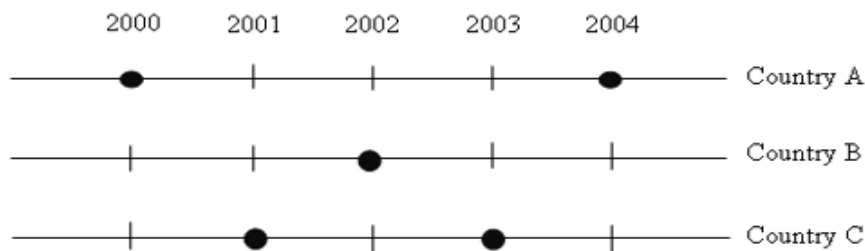


Figure 3: Examples of where extrapolation is required

A general description of how we can proceed follows.

1. Current-price income distributions are estimated for all country/year combinations where there are black dots.
2. The interpolation method is used to estimate distributions for
 - country A: 2001, 2002, 2003
 - country C: 2002
3. We compute weights $\tau_{j,k}$ that reflect the “distance” or “similarity” between the two income distributions for countries j and k . These weights are computed for pairs of countries where we have all the income distributions for a given year. For the example in Figure 3, we require the weights for every pair of the three distributions (A, 2002), (B, 2002) and (C, 2002). The distance/similarity measure we used is described below.
4. For estimating distributions for (B, 2001) and (B, 2003), we assume that changes in the income shares for these country-year combinations are proportional to a weighted average of the proportional changes observed for countries A and C. The change is measured relative to 2002 where estimated distributions are available for all three countries A, B, C. The weights are obtained from step 3. The extrapolated income shares are given by:

$${}_j s_{t+1,i} = {}_j s_{t,i} + \sum_{k=1}^{M_0} \tau_{j,k} ({}_k s_{t+1,i} - {}_k s_{t,i}) \quad (22)$$

where subscript j refers to the country of interest. Countries $k = 1, 2, \dots, M_0$ are those whose income shares are known, either because the original data are available or because they have been interpolated. Applying (22) to the example in Figure 3, we have

$${}_B S_{2003,i} = {}_B S_{2002,i} + \tau_{B,A} ({}_A S_{2003,i} - {}_A S_{2002,i}) + \tau_{B,C} ({}_C S_{2003,i} - {}_C S_{2002,i})$$

$${}_B S_{2001,i} = {}_B S_{2002,i} + \tau_{B,A} ({}_A S_{2001,i} - {}_A S_{2002,i}) + \tau_{B,C} ({}_C S_{2001,i} - {}_C S_{2002,i})$$

A similar procedure can be adopted to find other country/year combinations where extrapolation is required. This process is somewhat ad hoc. The results are not invariant with respect to the years and countries from which the weights are derived. Also, there is no guarantee that the procedure for finding the weights is necessarily a good one. However, any alternative method will suffer from similar issues, and, as one can see from Figure 1, the number of orange rectangles is relatively small.

The missing piece from the above steps is how to measure the distance or similarity between two distributions. To do so, we use a normalized version of Kullback-Leibler (KL) distance (Kullback and Leibler, 1951). Let $f_A(y; \phi_A)$ and $f_B(y; \phi_B)$ be normalized income distributions for countries A and B , respectively in a given year. Then, the KL divergence of f_B from f_A is

$$KL(A\|B) = \int_0^{\infty} \ln \left(\frac{f_A(y; \phi_A)}{f_B(y; \phi_B)} \right) f_A(y; \phi_A) dy$$

As a symmetric measure of distance from A to B we use

$$D_{A,B} = \frac{1}{2} (KL(A\|B) + KL(B\|A))$$

When $f_A(y; \phi_A) = f_B(y; \phi_B)$, $D_{A,B} = 0$. Suppose, we consider the distances of country A from a number of other countries $k = 1, 2, \dots, K$. Then, for weights which reflect the closeness of A to each of these countries, we use $\tau_{A,k} = D_{A,k}^{-1} / \sum_{l=1}^K D_{A,l}^{-1}$. To compute $D_{A,k}^{-1}$ we need to take expectations of the log of mixtures of lognormal distributions, which we do numerically.

Having estimated the share data for the missing country/year combinations, we used the mean incomes \bar{y}_i from PWT8.0 to compute class mean incomes, and then estimated lognormal mixture distributions for the missing country/years.

4. Transforming Parameters of the Lognormal Mixtures

To find estimates of the lognormal mixture parameters for sources of mean income other than PWT8.0, it is not necessary to re-estimate using GMM. Changing mean income, but keeping the income shares the same is equivalent to a scale change that can be accommodated by a straightforward transformation of the parameter estimates from PWT8.0. Specifically, if $P = \bar{y}_{NEW} / \bar{y}_{PWT8}$, then the new lognormal mixture parameters can be obtained using the following transformations

$$\beta_j^{NEW} = \beta_j^{PWT8} + \ln(P)$$

$$\sigma_j^{NEW} = \sigma_j^{PWT8}$$

The values of \bar{y}_{NEW} from the alternative data sources were obtained from those sources using the following data series. For PWT7.1

$$\bar{y}_t = \frac{cc_t \times cgdpt}{100}$$

where

cc_t = consumption share of PPP converted GDP per capita at current prices, expressed as a percentage.

$cgdpt$ = PPP converted GDP per capita at current prices.

For PWT9.0, the names of the series are the same as those for PWT8.0, namely,

$$\bar{y}_t = \frac{csh_c_t \times cgdpe_t}{pop_t}$$

where

csh_c_t = share of household consumption at current PPPs.

$\frac{cgdpe_t}{pop_t}$ = expenditure side real GDP per capita at current PPPs.

For UQICD,

$$\bar{y}_t = \frac{GDPPPLCU_CURRENT_t \times hcons_t}{PPPC_t}$$

where

$GDPPPLCU\ CURRENT_t$ = GDP per capita in local currency units in current prices

$PPPC_t$ = PPP series for consumption aggregate

$hcons_t$ = share of household consumption

5. Measures of Inequality and Poverty for Mixtures of Lognormal Distributions

One of the main objectives of compiling a panel of income distributions is to assess welfare changes over time using various definitions of welfare that take into account inequality, poverty and mean income, and to assess the sensitivity of these results to alternative data sources. Various measures for inequality and poverty have appeared in the literature, and typically depend on characteristics of the income distribution. To compute values of these measures we express them in terms of the parameters of the lognormal mixtures. See Griffiths and Hajargasht (2012) for details and derivations. Inequality measures that are considered are the Gini coefficient (G), and Theil's measure (T)⁷. These measures are invariant with respect to scale changes and hence reporting them once for all data sources is sufficient. Written in terms of the parameters of the lognormal-mixture distributions, they are

$$G = \frac{2 \sum_{h=1}^J \sum_{j=1}^J w_h w_j \left\{ \exp(\beta_h + 0.5\sigma_h^2) \Phi \left(\frac{\sigma_h^2 + \beta_h - \beta_j}{\sqrt{\sigma_h^2 + \sigma_j^2}} \right) \right\}}{\sum_{j=1}^J w_j \exp(\beta_j + 0.5\sigma_j^2)} - 1 \quad (24)$$

and

$$T = \ln \left(\sum_{j=1}^J w_j \exp(\beta_j + 0.5\sigma_j^2) \right) - \sum_{j=1}^J w_j \beta_j \quad (25)$$

Poverty measures include the head-count ratio, the poverty gap ratio, the Foster-Greer-Thorbecke index (FGT) and the Watts index⁸. The expressions for these measures in terms of the parameters of the lognormal mixture are as follows. The headcount ratio which gives the proportion of population whose income is below a poverty line, z is given by

⁷ Details of these inequality measures and expressions for them in terms of parameters of different distributions that are not mixtures can be found in, for example, Kleiber and Kotz (2003), Jenkins (2009) and McDonald and Ransom (2008).

⁸ See Kakwani (1999) for review of various poverty measures and Chotikapanich et al (2013) for their expressions in terms of parameters of a generalized beta distribution.

$$F(z; \phi) = \sum_{j=1}^J w_j \Phi\left(\frac{\ln(z) - \beta_j}{\sigma_j}\right) \quad (26)$$

The FGT measure with inequality aversion $\alpha = 2$ is given by:

$$\begin{aligned} FGT(2) = & \sum_{j=1}^J w_j \Phi\left(\frac{\ln(z) - \beta_j}{\sigma_j}\right) - \frac{2}{z} \sum_{j=1}^J w_j \exp(\beta_j + 0.5\sigma_j^2) \Phi\left(\frac{\ln(z) - \beta_j - \sigma_j^2}{\sigma_j}\right) \\ & + \frac{1}{z^2} \sum_{j=1}^J w_j \exp(2\beta_j + 2\sigma_j^2) \Phi\left(\frac{\ln(z) - \beta_j - 2\sigma_j^2}{\sigma_j}\right) \end{aligned} \quad (27)$$

The Watts index is:

$$W = \sum_{j=1}^n w_j \sigma_j \left[\Phi\left(\frac{\ln z - \beta_j}{\sigma_j}\right) + \phi\left(\frac{\ln z - \beta_j}{\sigma_j}\right) \right] \quad (28)$$

where $\Phi(\cdot)$ is the standard normal cumulative distribution function and $\phi(\cdot)$ is the standard normal probability distribution.

To compute the poverty measures in (26)-(28), we need to specify a poverty line or lines. The distributions we have estimated are current price distributions, expressed in terms of U.S. dollars using PPPs. To monitor how poverty has been changing over time we need to use constant price distributions and keep the poverty line constant, or retain the current price distribution and change the poverty line in line with local price movements. We chose the latter approach⁹, using \$1.25 per day in 2005 as the base for all countries. Using this approach, the poverty line in local currency units for country k in year t , $lz_{k,t}$, can be expressed as

$$lz_{k,t} = 1.25 \times PPPC_{k,2005} \times GDPdef05C_{k,t}$$

where $PPPC_{k,2005}$ is the PPP for consumption for country k in 2005, and $GDPdef05C_{k,t}$ is the deflator for the consumption component of GDP, for country k in year t , relative to 2005. Converting the local currency poverty line back to U.S. dollars, we write the poverty line for country k in year t as

⁹ Our approach is similar to that recommended by the Atkinson Commission on Global Poverty (2016). The Commission recommended that the international poverty line for measuring extreme poverty be set at \$1.90 in 2011 and maintained at that level until 2030. The poverty line is first converted into national currency units using 2011 PPPs, and then updated using movements in national consumer price indexes.

$$z_{k,t} = \frac{lz_{k,t}}{PPPC_{k,t}} = 1.25 \times GDPdef05C_{k,t} \times \frac{PPPC_{k,2005}}{PPPC_{k,t}}$$

The series $GDPdef05C_{k,t}$ was taken from UQICD. The series for $PPPC_{k,t}$ (the PPP series for the consumption aggregate for country k in year t) were taken from each of the separate data sources. For UQICD, $PPPC_{k,t}$ is taken directly from this data source. For PWT8.0 and PWT9.0

$$PPPC_{k,t} = \frac{pl_{-c_{k,t}} \times exchange\ rate_{k,t}}{pl_{-c_{U.S.,t}}}$$

with $pl_{-c_{k,t}}$ = price level of household consumption for country k in year t , with $pl_{-c_{U.S.,2005}} = 1$.

For PWT7.1, the notation for the price level consumption series is given by $pc_{k,t}$, otherwise the definition remains the same.

Recognizing that larger mean incomes and less inequality are generally associated with greater welfare, we also report a welfare measure attributable to Sen (1976), namely,

$$W_{t,k} = v_{y,k} (1 - G_{t,k})$$

where $v_{t,k}$ denotes constant price mean income that we obtain using the inverse of the transformation used to find current price poverty lines. Specifically,

$$v_{t,k} = \mu_{t,k} \times \frac{z_{2005,k}}{z_{t,k}} = \mu_{t,k} \times \frac{1.25}{z_{t,k}}$$

where $\mu_{t,k}$ is mean income for country k in year t , expressed in terms of the current-price distribution's parameters ϕ . Dropping the (t,k) subscripts, it is given by

$$\mu = \sum_{j=1}^J w_j \mu_j = \sum_{j=1}^J w_j \exp\left(\beta_j + \frac{\sigma_j^2}{2}\right)$$

The sample constant price mean, obtained using the same principle, we define as

$$\bar{x}_{t,k} = \bar{y}_{t,k} \times \frac{1.25}{z_{t,k}}$$

6. Aggregate measures for Africa

In addition to estimating inequality, poverty and welfare measures for each country/year, we also aggregate constant mean income, the headcount ratio, and the Gini coefficient to get estimates for the whole of Africa, for each of the years from 1997 to 2010. To construct suitable weights for aggregation, the populations for each country/year are required. Each of the data sources for mean incomes reports population numbers, but the reported numbers are not consistent across the different data sources. We compute aggregate measures using the four different population figures. In a given year, aggregate measures for mean income, the headcount ratio and the welfare measure differ according to the data source because of mean income differences and population differences. Those for the Gini coefficients differ only because of population differences.

Let λ_k be the k -th country's proportion of total population in a given year. We drop the year subscript t to ease the notation. Further, we use ϕ_k to denote the complete parameter vector for country k in a given year, and $\phi_{k,j}$ to denote the j -th mixture component of ϕ_k . The density and distribution functions for country k will be denoted by $f_k(y; \phi_k) = \sum_{j=1}^J w_{k,j} f_k(y; \phi_{k,j})$ and $F_k(y; \phi_k) = \sum_{j=1}^J w_{k,j} F_k(y; \phi_{k,j})$, respectively. Aggregate constant mean income is given by

$$\bar{y} = \sum_{k=1}^{28} \lambda_k \bar{y}_k$$

The aggregate headcount ratio for a given year is given by

$$\begin{aligned} HCR &= \sum_{k=1}^{28} \lambda_k F_k(z_k | \phi_k) \\ &= \sum_{j=1}^J \sum_{k=1}^{28} \lambda_k w_{k,j} F_k(z_k | \phi_{k,j}) \end{aligned}$$

To find the aggregate Gini coefficient, we first recognize that the aggregate distribution for Africa is also a mixture of lognormal distributions. Specifically, the density function is given by

$$\begin{aligned}
g(y; \phi_1, \phi_2, \dots, \phi_{28}) &= \sum_{k=1}^{28} \lambda_k f_k(y; \phi_k) \\
&= \sum_{k=1}^{28} \sum_{j=1}^J \lambda_k w_{k,j} f_k(y; \phi_{k,j}) \\
&= \sum_{k=1}^{28} \sum_{j=1}^J w_{k,j}^* f_k(y; \phi_{k,j})
\end{aligned}$$

where $w_{k,j}^* = \lambda_k w_{k,j}$ are the weights for the $(28 \times J)$ component mixture of lognormal distributions. To ease the notation somewhat, we convert the double summation to a single summation by defining $h = (k-1) \times J + j$, with $h = 1, 2, \dots, (28 \times J)$ and $w_h^* = w_{k,j}^*$. Then, the aggregate Gini coefficient can be written as

$$G = \frac{2 \sum_{h=1}^{28J} \sum_{\ell=1}^{28J} w_h^* w_\ell^* \left\{ \exp(\beta_h + 0.5\sigma_h^2) \Phi \left(\frac{\sigma_h^2 + \beta_h - \beta_\ell}{\sqrt{\sigma_h^2 + \sigma_\ell^2}} \right) \right\}}{\sum_{\ell=1}^{28J} w_\ell \exp(\beta_\ell + 0.5\sigma_\ell^2)} - 1$$

7. Results

The supplementary appendix contains comprehensive estimates for each country/year combination. The period covered is from 1997 to 2010. The 28 countries are listed in Figure 1. Detailed contents of the tables in the supplementary appendix are as follows.

Tables S1-PWT7, S1-PWT8, S1-PWT9, S1-UQICD: Parameter Estimates

- The nature of the data used to compute the estimates: Observed, interpolated or extrapolated.
- Number of mixture components in lognormal mixture.
- Parameter estimates for β_j, σ_j and w_j .

Table S2 Inequality and Welfare

- Gini coefficient
- Theil coefficient
- Welfare measure for each data source.

Table S3 Poverty: Headcount Ratios

- Poverty lines for each data source
- Headcount ratios for each data source

Table S4 Poverty: FGT(2) Index

- Poverty lines for each data source
- FGT(2) index for each data source

Table S5 Poverty: Watts Poverty Index

- Poverty lines for each data source
- Watts index for each data source

Table S6 Current Price Mean Incomes

- Per capita mean income at current prices from each data source
- Per capita mean income at current prices estimated from the parameters of the lognormal mixtures.

Table S7 Populations and Constant Price Means

- Populations from each data source
- Estimated per capita constant price means from each data source

These tables are provided as a resource for other researchers wishing to investigate changes in poverty and inequality and to make cross-country comparisons, as well as to highlight the sensitivity of results to data from different sources. To report on the sensitivity of poverty and inequality estimates to different data sources, we focus on the results for six countries and those for the complete set of 28 countries. The six countries, chosen because of their relatively large populations and diversity in terms of level of income are Angola, Nigeria, Ethiopia, South Africa, Kenya and Tanzania.

The Gini Coefficients

The Gini coefficients for these six countries are plotted in Figure 4. Because they are invariant with respect to scale they do not depend on the source of mean income. Inequality is greatest in South Africa and least in Ethiopia. What is particularly noticeable is the increase in inequality in South Africa and the decrease in inequality in Angola over the years under consideration. Inequality is relatively stable in the other countries. Similar conclusions are reached from the values for the Theil index reported in the supplementary Appendix.

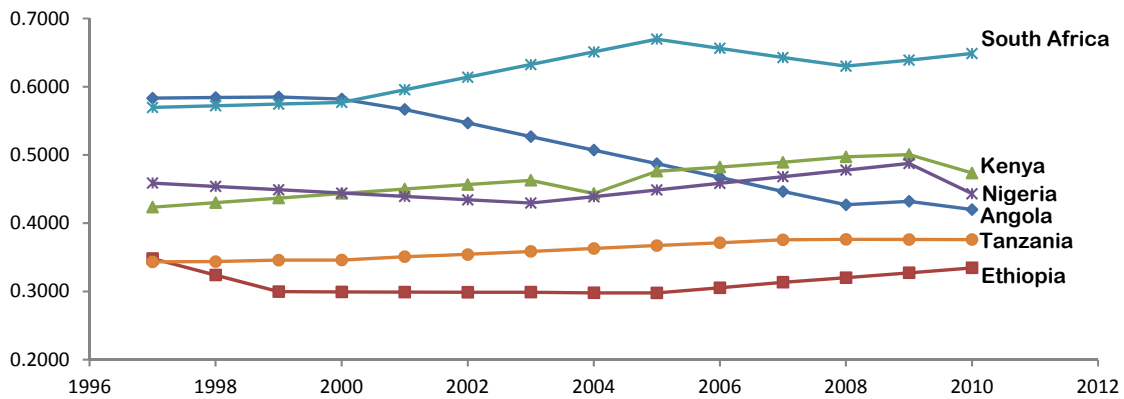


Figure 4 Gini coefficients for selected countries

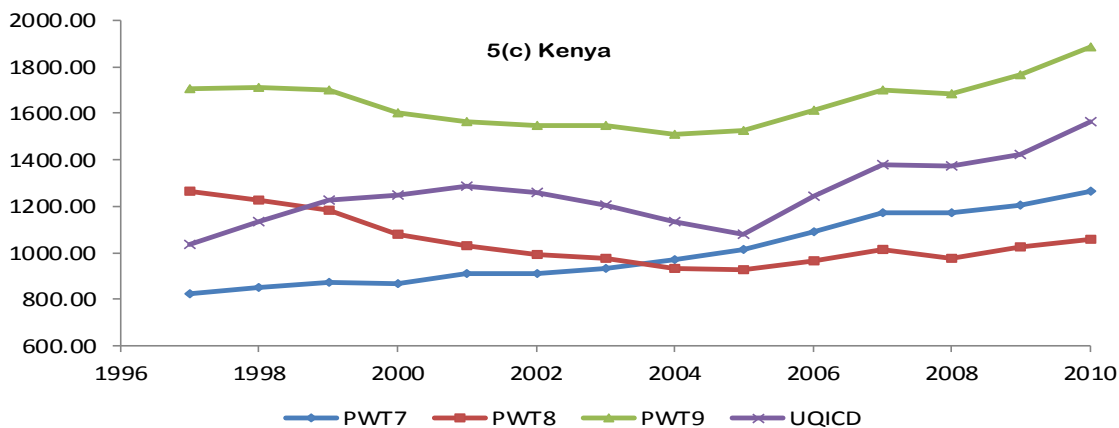
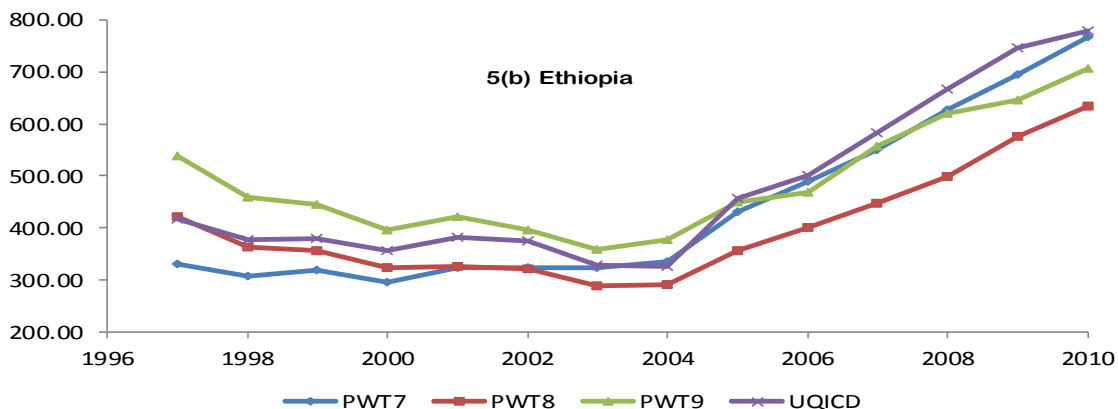
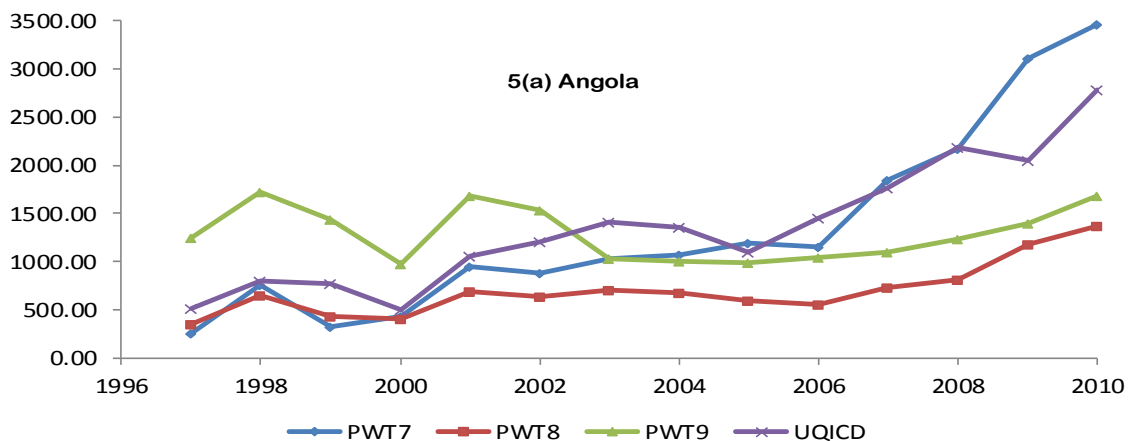
Mean Incomes

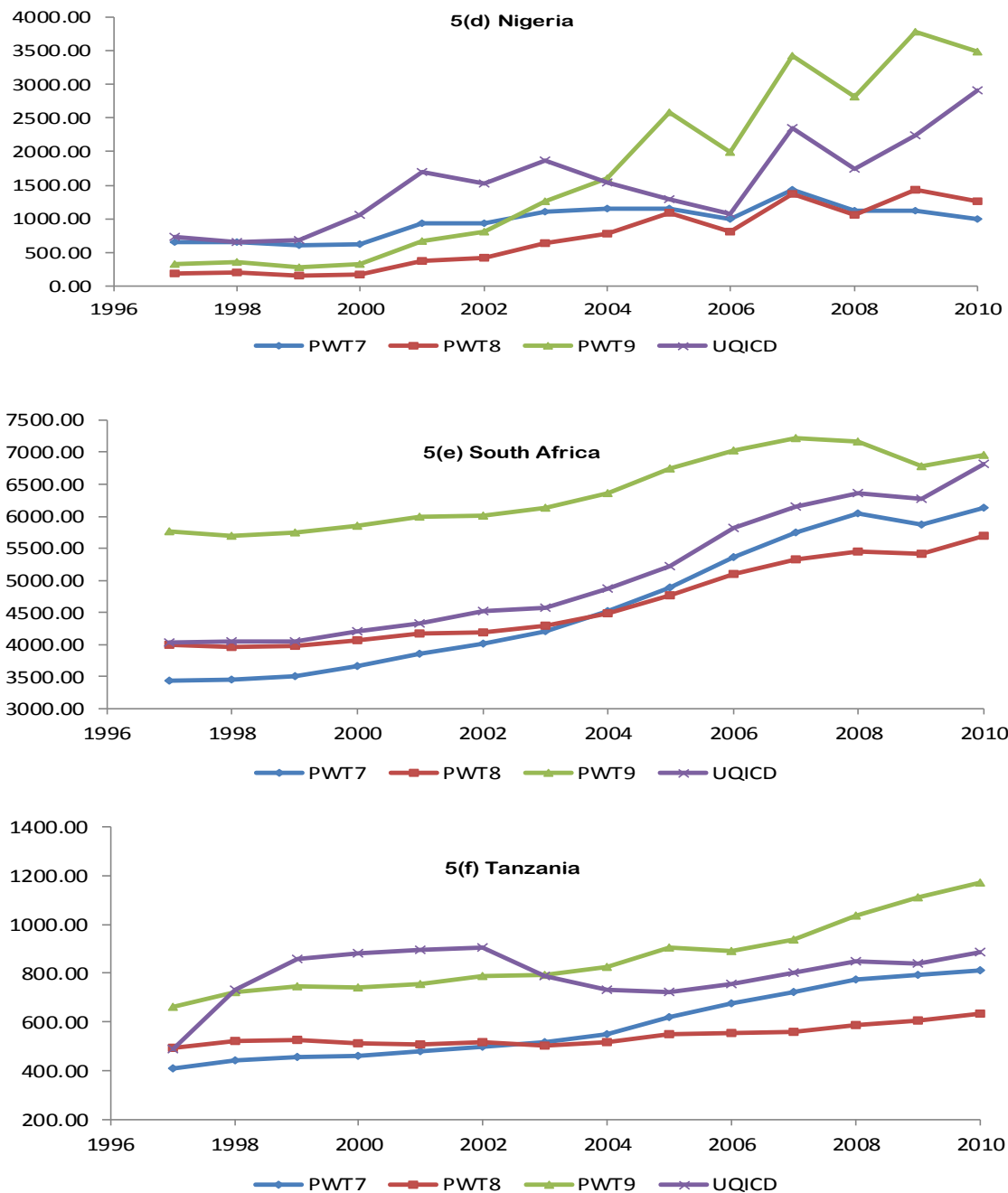
The current price mean incomes for each of the six example countries are plotted in Figure 5. From those plots we can make the following observations.

1. The differences from the different data sources can be substantial. In Angola, in 1997, mean income computed from PWT9 is five times greater than that computed using PWT7; in 2010 mean income from PWT7 is double that from PWT9. Other examples are (a) Kenya, where mean income from PWT9 is double that from PWT7 in 1997, and double that from PWT8 in 2010, and (b) Nigeria, where, in 2010, PWT9 reports a mean income over four times greater than that reported by PWT7.
2. There is no one data source that leads to the highest or lowest mean incomes for every country in every year. However, in South Africa and Kenya the mean incomes from PWT9 are higher than those from all other sources in all years.
3. The mean incomes from PWT9 are always greater than those from PWT8, for all years and all six countries.
4. In four out of the six countries, Angola and Nigeria being the exceptions, mean incomes from PWT7 are lower than those from PWT8 in the early years, but greater in the later years.
5. Using PWT9, year to year changes in mean incomes are particularly volatile for Angola in the early years and Nigeria in the later years.

6. The mean incomes from UQICD either lie in between those from the other data sources, or they are the highest mean incomes. Cases where UQICD leads to the highest mean incomes are Angola in 2003-2004, Ethiopia in 2005-2010, Nigeria in 1997-2003, and Tanzania in 1998-2003.

Figure 5 Per capita income at current prices



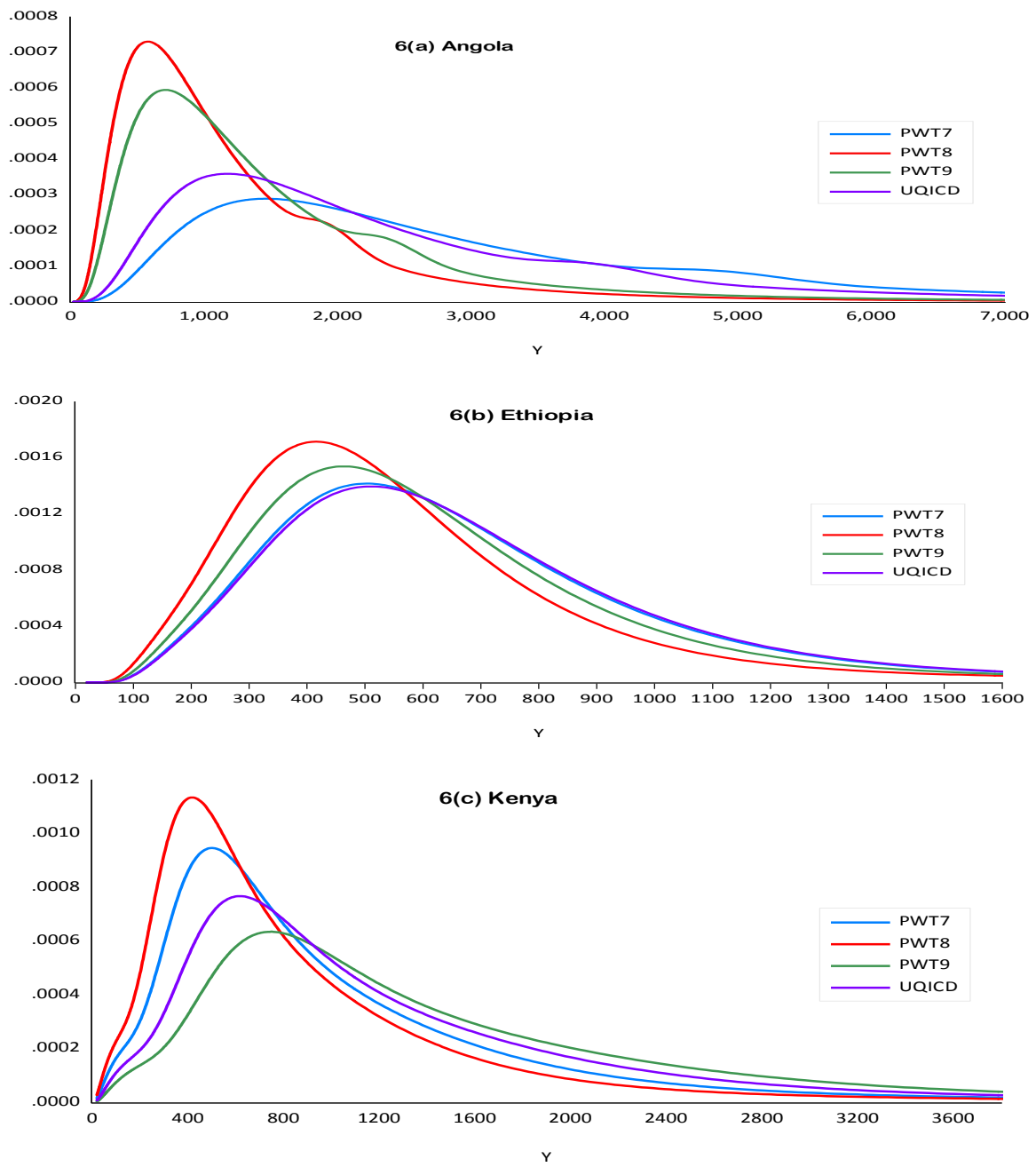


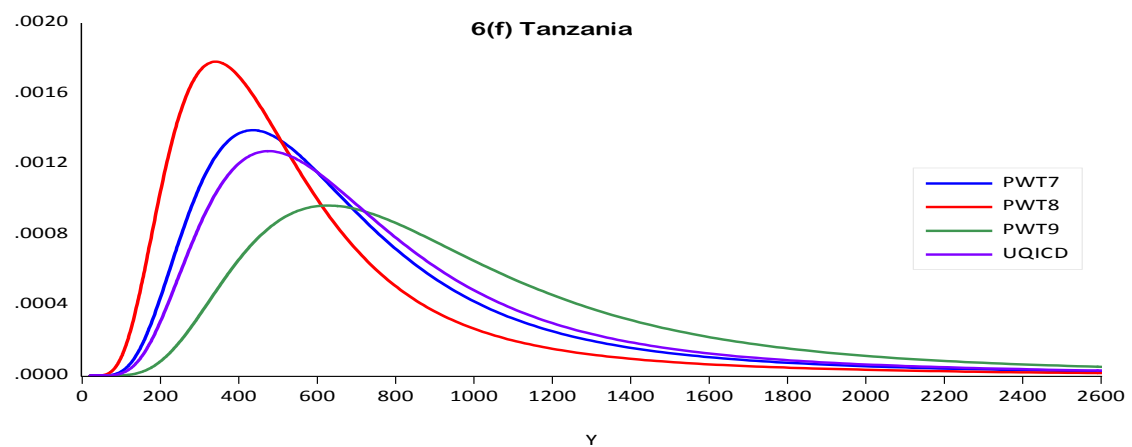
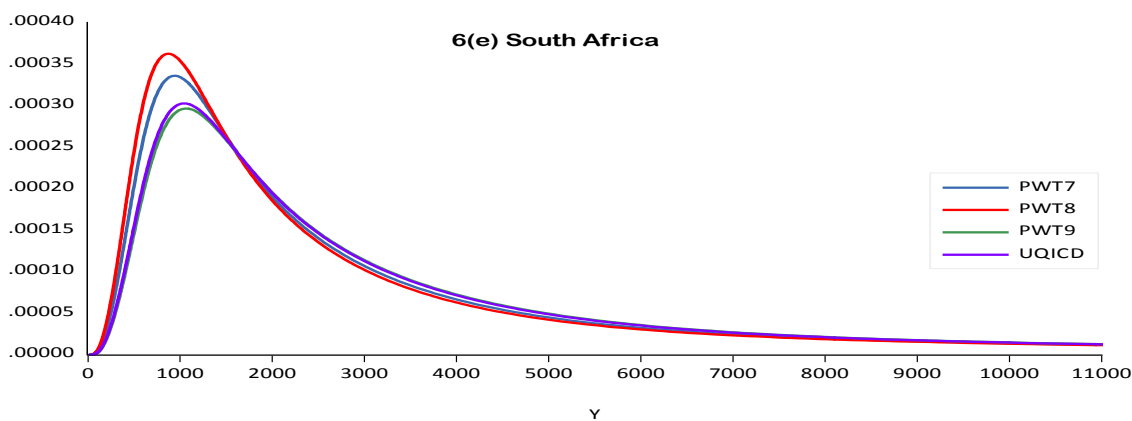
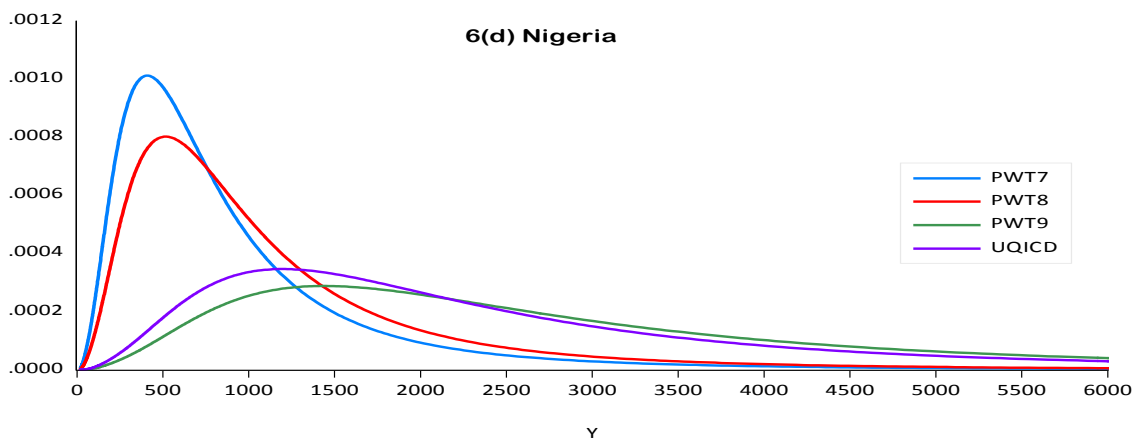
2010 Distributions

The lognormal mixture density functions for each of the six example countries in 2010 are plotted in Figure 6. The similarity of the densities from the different data sources, or the lack of it, corresponds to the closeness of the mean incomes in the last of the years reported in Figure 5. Countries where the 2010 mean incomes are relatively close, and the densities similar, are Ethiopia and South Africa. Those where there are larger discrepancies are Angola and Nigeria. The shapes of the densities reflect the extent of inequality. The densities for Ethiopia, where the Gini coefficient is smallest, exhibit relatively

little skewness, whereas those for South Africa, where the Gini coefficient is largest have very long tails.

Figure 6 Income density functions for 2010



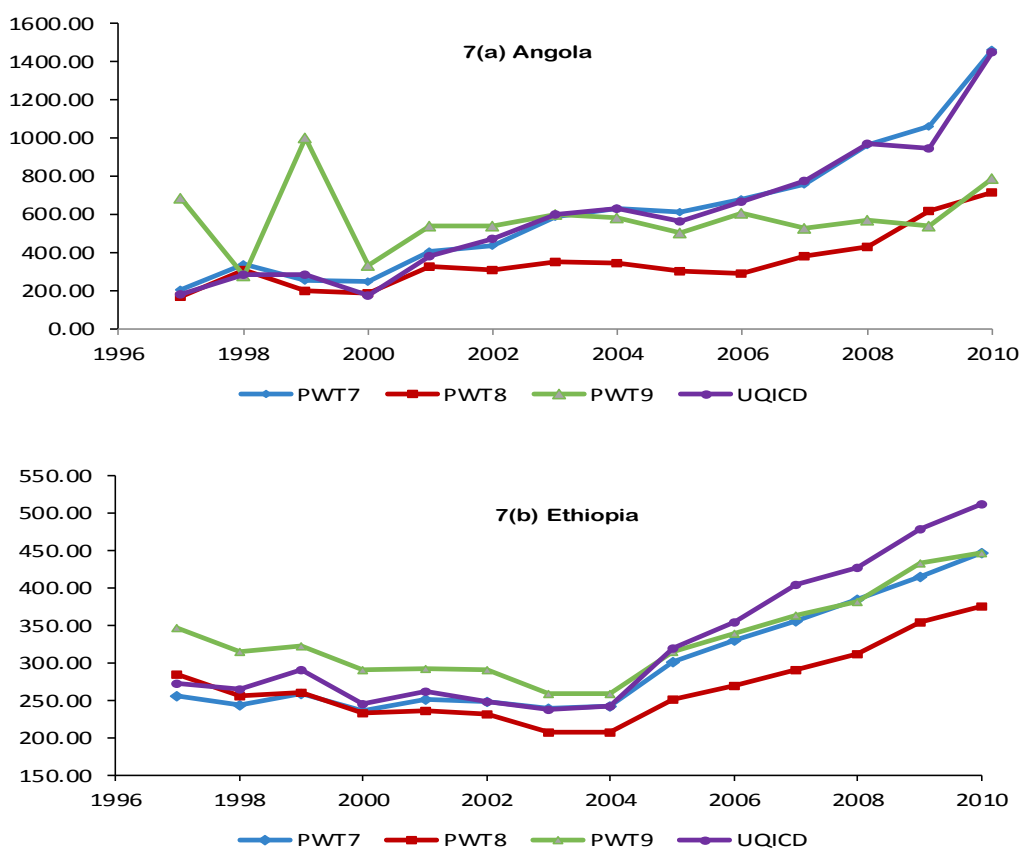


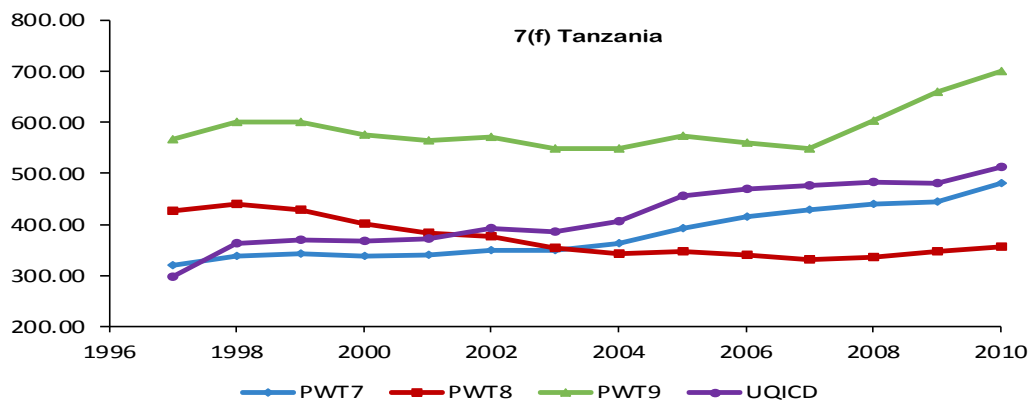
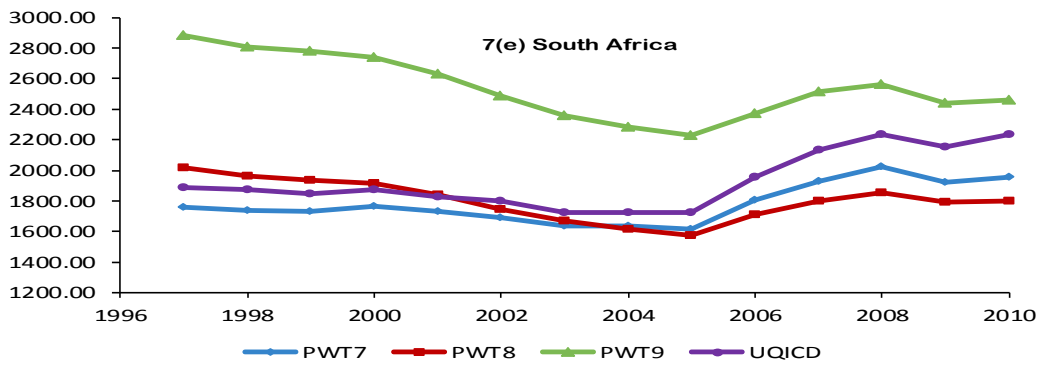
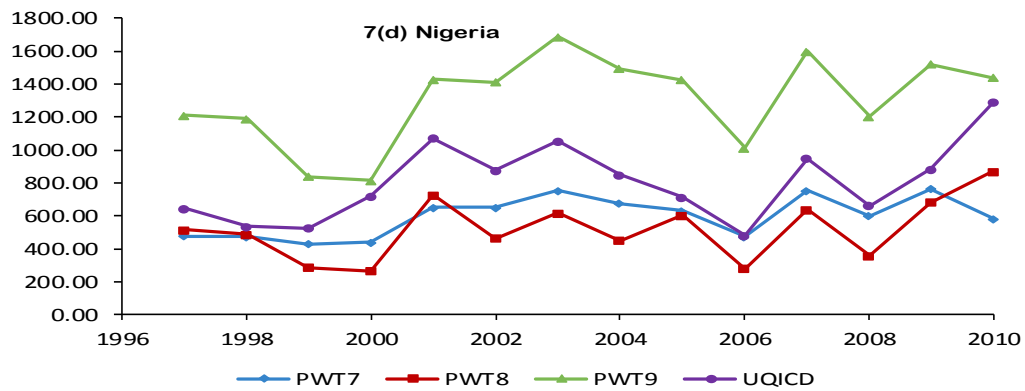
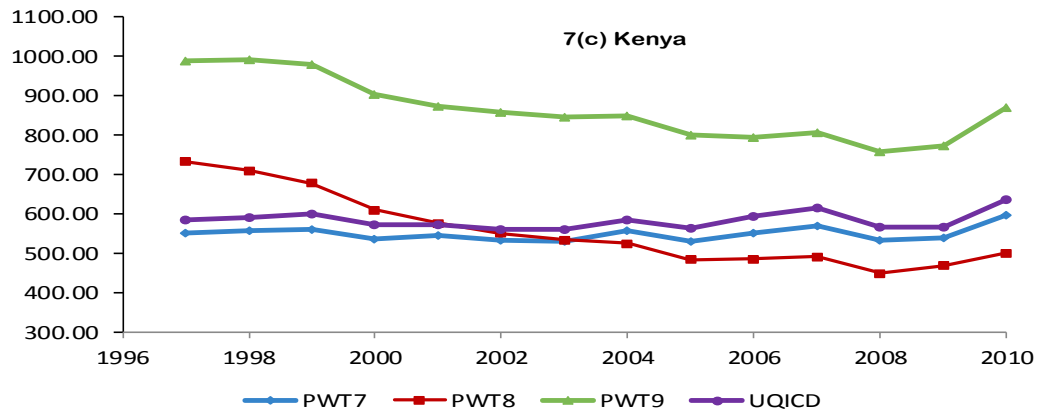
Welfare Measures

Welfare measures equal to the constant price mean income multiplied by one minus the Gini coefficient are graphed in Figure 7. Since the Gini coefficients are the same for all data sources, differences from different series are a consequence of differences in the constant price means. Also, using constant price means allows us to make welfare comparisons over time and across countries. We can make the following observations from Figure 7.

1. In Kenya, Nigeria, South Africa and Tanzania, the constant price means (and welfare measures) are much higher for PWT9 than for the other data sources.
2. Welfare is highest in South Africa and lowest in Ethiopia.
3. A declining Gini coefficient and erratic constant mean incomes have led to large year-to-year swings in welfare for Nigeria, without any consistent increase over time.
4. Most data sources suggest increases in welfare over the later years for Angola, Ethiopia, South Africa and Tanzania, but not for Kenya and Nigeria.

Figure 7 Welfare measures for selected countries.

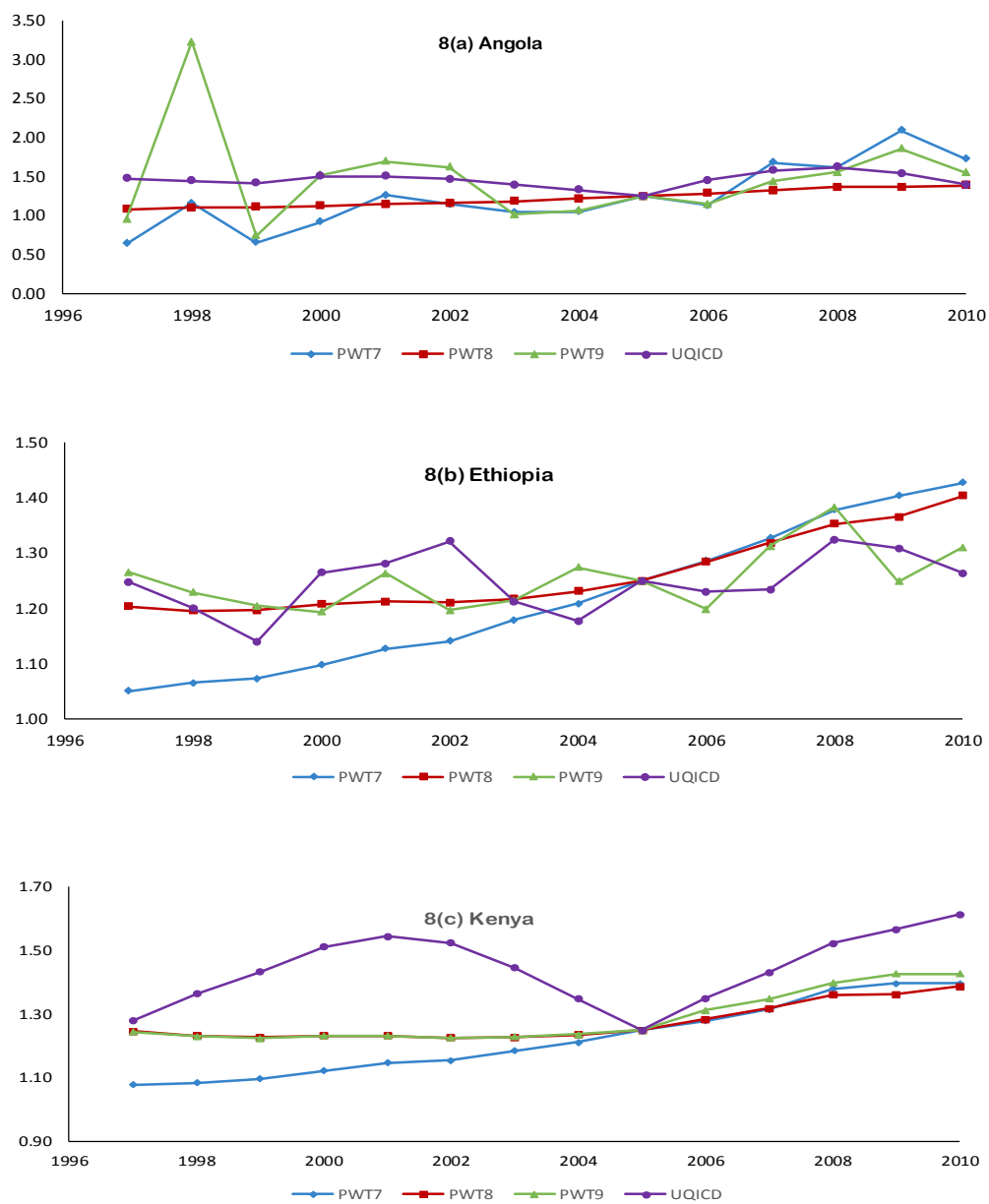


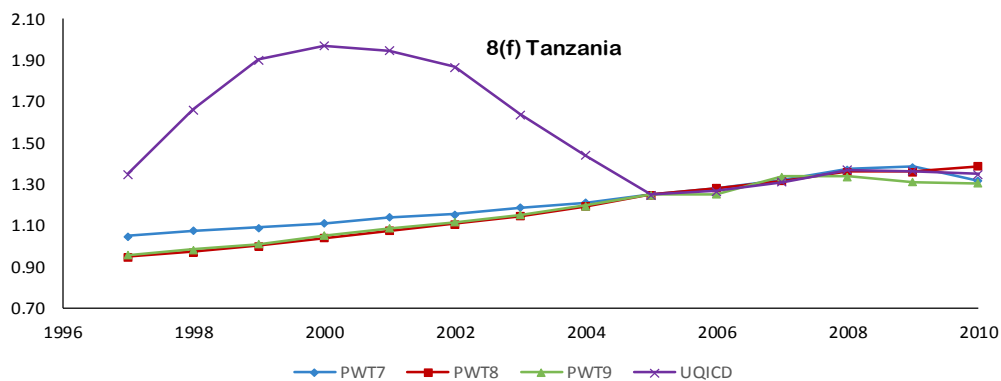
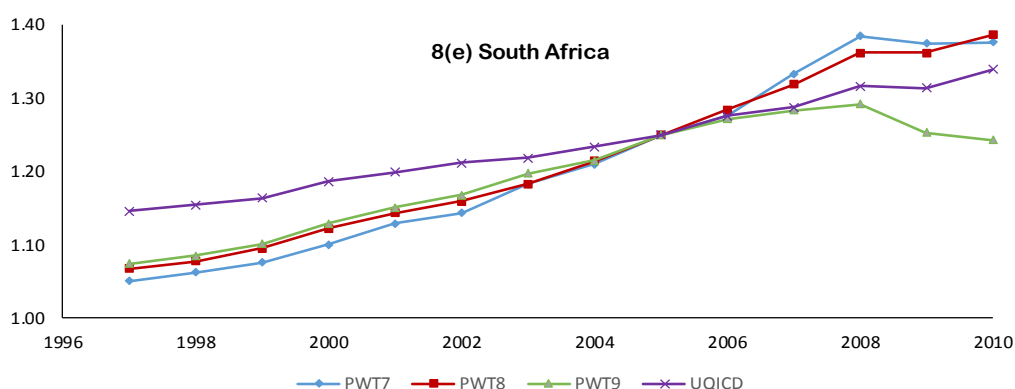
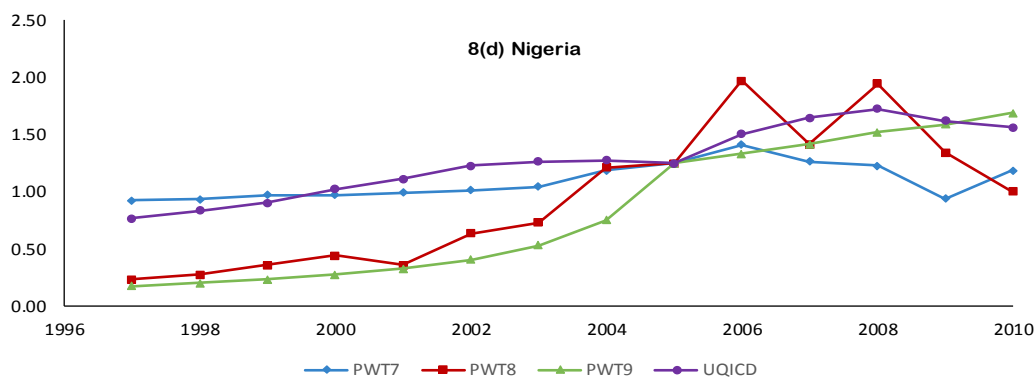


Poverty Lines

Before examining changes in headcount ratios for the six countries, it is useful to consider the poverty lines upon which the calculations are based. These are graphed in Figure 8. Note that the poverty lines for all data sources coincide at \$1.25 in 2005 but they differ in other years, the difference being attributable to the different PPPs from the different data sources. Noticeable discrepancies in the poverty lines are:

Figure 8 Poverty lines for selected countries





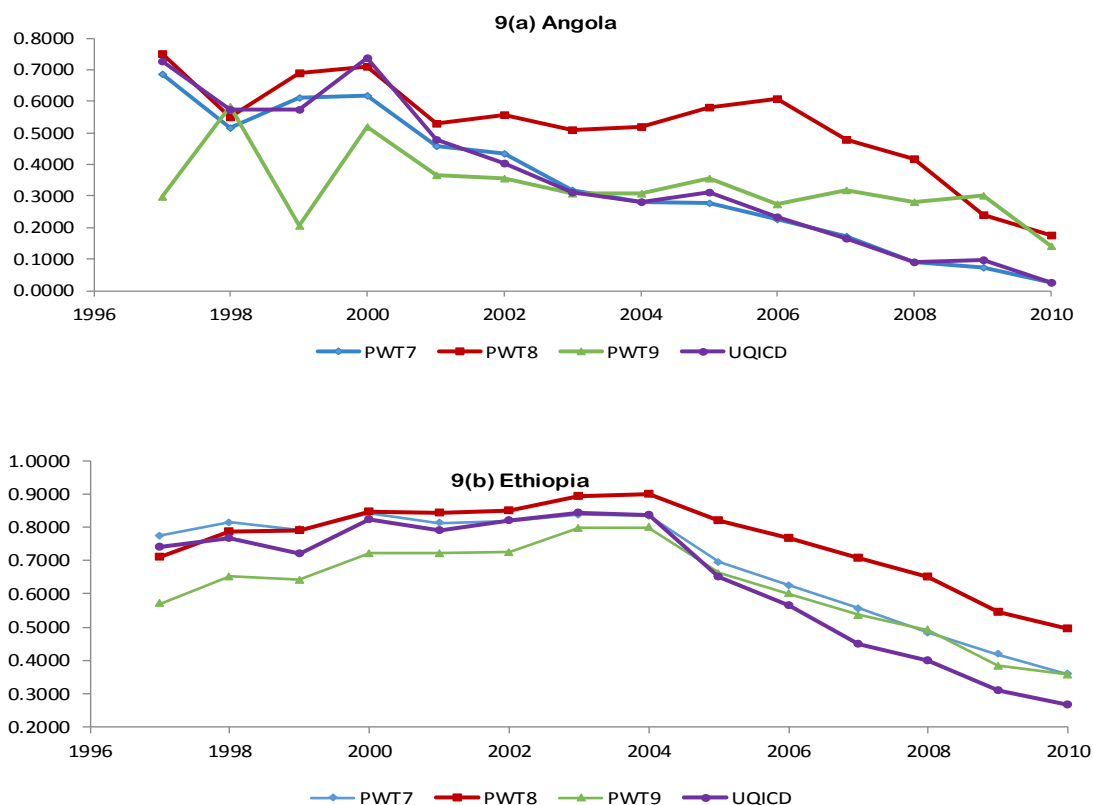
1. For Angola in 1998, there is a very large and temporary increase in the poverty line from PWT9. It corresponds to what is an overestimate of price increases relative to the other data sources, and a consequent lower constant-price mean income.
2. For Ethiopia and Kenya from 1997-2003, PWT7 leads to a lower poverty line than those from the other data sources.

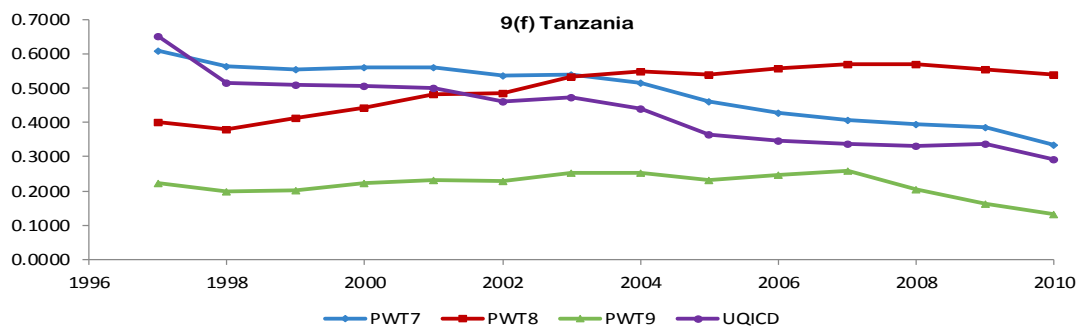
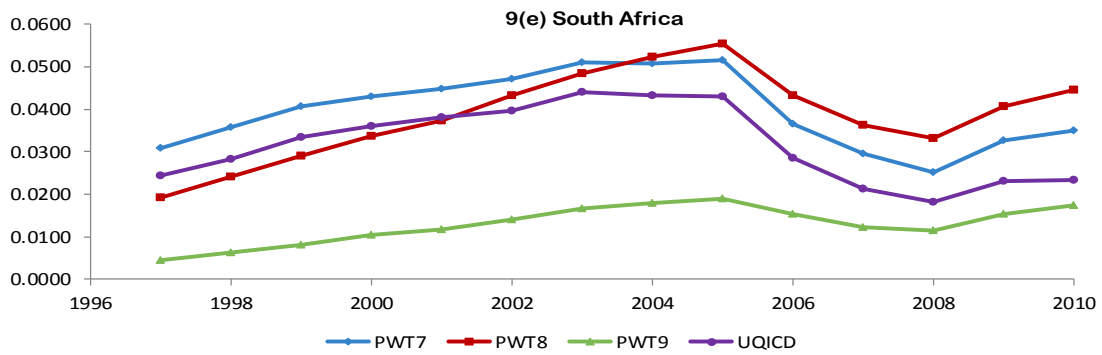
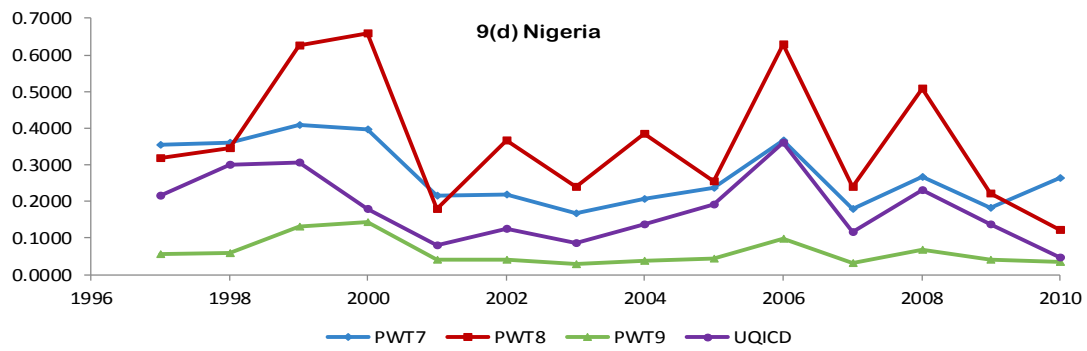
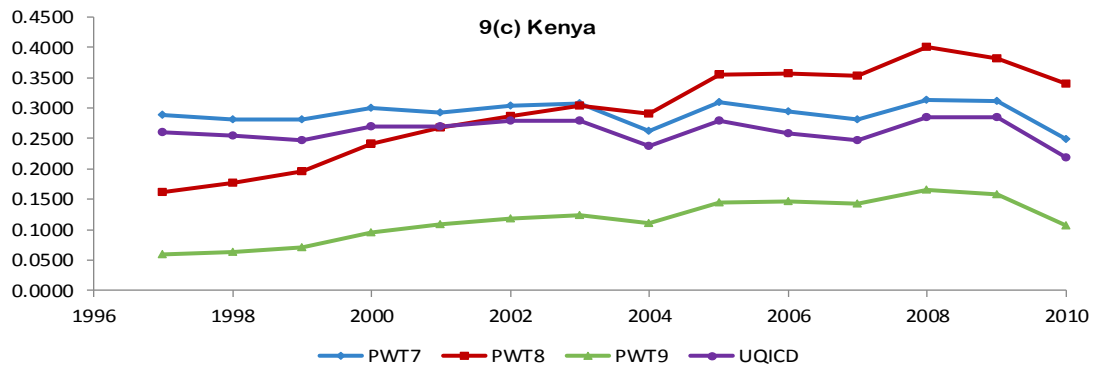
3. For Kenya and Tanzania from 1997-2004, PPPs from UQICD lead to poverty lines that increase dramatically and then decline whereas the poverty lines from the other data sources are relatively stable.

Headcount ratios

Because changes in the welfare measures depicted in Figure 7 are largely attributable to changes in constant-price mean incomes, and constant-price means tend to be inversely related to the headcount ratios, the movements in the headcount ratios depicted in Figure 9, and their relative magnitudes, are the mirror image of those for the welfare changes graphed in Figure 7. For Kenya, Nigeria, South Africa and Tanzania, the headcount ratios from PWT9 are uniformly lower than the corresponding ones from the other data sources. The poverty lines for Nigeria from PWT8 are very volatile, as are those for Angola from PWT9 in 1997-2000. From 2004 onwards, using PWT8 leads to the highest headcount ratios for all countries and almost all years. There has been a noticeable reduction in poverty from 1997 to 2010 in Angola and Ethiopia, but the headcount ratios in the remaining 4 countries have shown little, if any, improvement.

Figure 9 Head count ratios for selected countries





In their study for the period 1990-2011, Pinkovski and Sala-i-Martin (2014) reported changes in headcount ratios for the whole of Africa, for Ethiopia, Mozambique, Nigeria and Uganda, and for different classes of countries: landlocked versus coastal, mineral-rich versus mineral-poor, favourable versus unfavourable agriculture, high-slave exports versus low-slave exports, and those at war versus those at peace. In all cases they found poverty incidence had declined. The declines were greatest for the classes of disadvantaged countries whose poverty levels were relatively high at the start of the period. Classes of advantaged countries began with a lower level of poverty and achieved more modest gains. In Table 1 we compare our estimates with those of SP for the headcount ratios of Ethiopia, Mozambique, Nigeria and Uganda for our end-point years 1997 and 2010.¹⁰ Our results from all sources of mean incomes support SP's conclusions about poverty reduction. However, some of the headcount values, reflecting the degree of poverty, are very different. With the exception of PWT9.0 estimates, which are generally out of step with the remainder, our estimates tend to be higher than those of SP in 1997, but not necessarily so in 2010.

Table 1 Headcount Comparisons for Selected Countries

		SP	Our Study			
			PWT7.1	PWT8.0	PWT9.0	UQICD
Ethiopia	1997	0.64	0.77	0.71	0.57	0.74
	2010	0.20	0.36	0.49	0.36	0.27
Mozambique	1997	0.69	0.78	0.73	0.53	0.70
	2010	0.44	0.40	0.54	0.36	0.37
Nigeria	1997	0.23	0.35	0.32	0.06	0.22
	2010	0.15	0.26	0.12	0.04	0.05
Uganda	1997	0.42	0.46	0.50	0.24	0.54
	2010	0.29	0.29	0.36	0.17	0.27
Africa	1997	0.34	0.45	0.39	0.23	0.41
	2010	0.22	0.31	0.34	0.19	0.21

Because SP found poverty had declined in all of a wide choice of classes of countries, we checked our results for any exceptions where the estimated headcount ratios had increased from 1997 to 2010. There was only one country, Madagascar, where the headcount ratios from all four data sources had increased. On the other hand, there were 17 countries where at least one of the data sources

¹⁰ The SP values are read from their figures and are only as precise as this reading permits.

suggested poverty had increased. These countries and their headcount ratios for 1997 and 2010 are presented in Table 2. Where there have been increases in the headcount ratios, the increases are often relatively small, and often from a low starting point. What is more striking from the Table is that it is always data from PWT7 or PWT8 or both that has led to estimated increases in poverty, and data from UQICD has almost always led to estimated decreases. The Table also reinforces conclusions made from Figures 9 and Table 1. The different data sources can lead to very different headcount estimates.

Table 2 Headcount ratios for countries with one or more estimate of an increase in poverty^a

	PWT7.0		PWT8.0		PWT9.0		UQICD	
	1997	2010	1997	2010	1997	2010	1997	2010
Madagascar	0.436	0.514	0.236	0.542	0.192	0.355	0.356	0.431
Burundi	0.568	0.860	0.515	0.859	0.528	0.638	0.680	0.634
Central African Rep	0.685	0.691	0.612	0.703	0.493	0.548	0.596	0.574
Guinea	0.530	0.407	0.369	0.593	0.242	0.318	0.440	0.460
Guinea Bissau	0.295	0.371	0.225	0.415	0.155	0.226	0.440	0.189
Niger	0.770	0.788	0.726	0.851	0.558	0.666	0.658	0.580
South Africa	0.031	0.035	0.019	0.045	0.005	0.017	0.024	0.023
Cameroon	0.144	0.058	0.049	0.097	0.029	0.033	0.129	0.064
Kenya	0.289	0.249	0.162	0.339	0.059	0.107	0.260	0.219
Malawi	0.786	0.774	0.556	0.822	0.316	0.408	0.730	0.612
Senegal	0.237	0.147	0.088	0.174	0.064	0.082	0.169	0.089
Ghana	0.183	0.091	0.125	0.110	0.041	0.049	0.309	0.067
Mali	0.574	0.395	0.476	0.601	0.399	0.398	0.429	0.254
Mauritania	0.186	0.088	0.151	0.129	0.069	0.081	0.230	0.043
Rawanda	0.695	0.476	0.565	0.640	0.449	0.442	0.499	0.398
Tanzania	0.608	0.335	0.401	0.540	0.224	0.132	0.650	0.294
Zambia	0.476	0.366	0.360	0.410	0.272	0.197	0.463	0.165

^a Countries are grouped according to the number of data sources that lead to estimates of an increase in poverty. Those headcount estimates where there has been an increase are given in bold.

Aggregate measures for Africa

Figures 10, 11, 12 and 13 display the Gini coefficients, the densities for the year 2010, the welfare measures, and the headcount ratios, respectively, for the total of 28 African countries. The aggregate Gini coefficients are invariant with respect to the different sources of mean incomes, but because the different data sources report different population figures, there are some slight differences in the Gini coefficients from these alternative sources. Inequality has remained relatively stable over the period with the Gini coefficient fluctuating between 0.594 and 0.583. These values are low compared to the

inequality results reported by SP. For their “baseline category A” results, they estimate that the Gini coefficient declined from 0.654 to 0.631.

The aggregate densities for Africa plotted in Figure 11 for 2010 illustrate how much the distributions from the different data sources can vary. In this year, the distributions from UQICD and PWT9 are similar, as are those from PWT7 and PWT8, but there is a noticeable difference between the distributions for these two pairs.

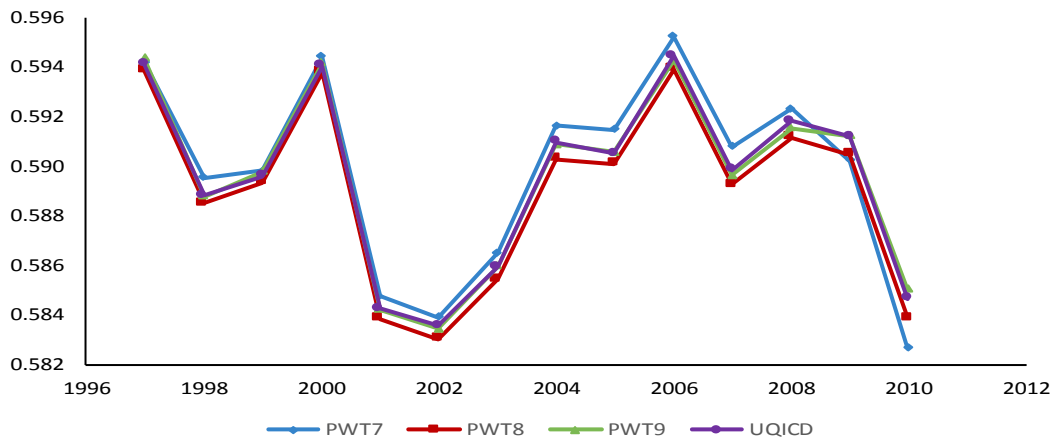


Figure 10 Ginis for Africa

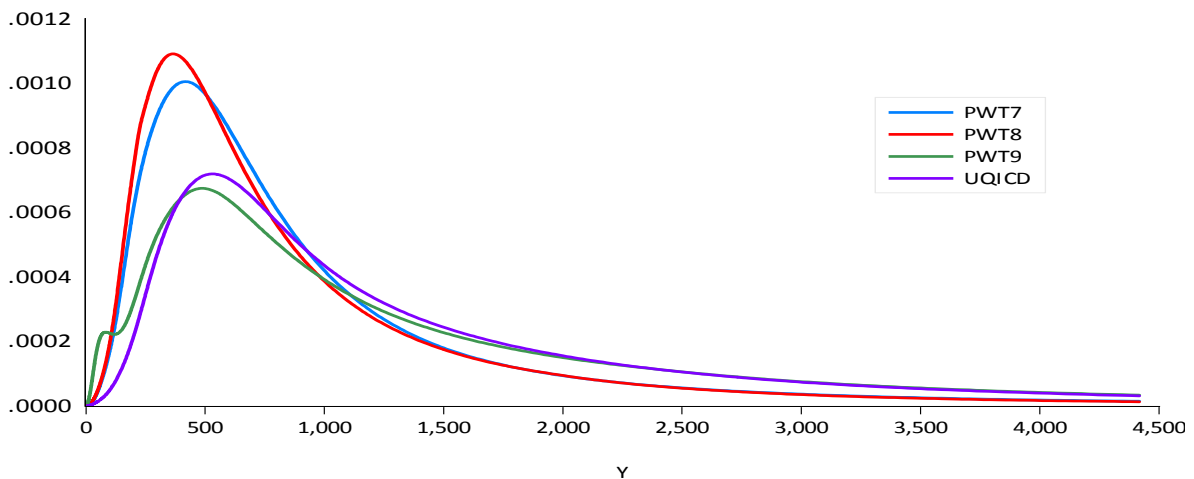


Figure 11 Densities for Africa in 2010

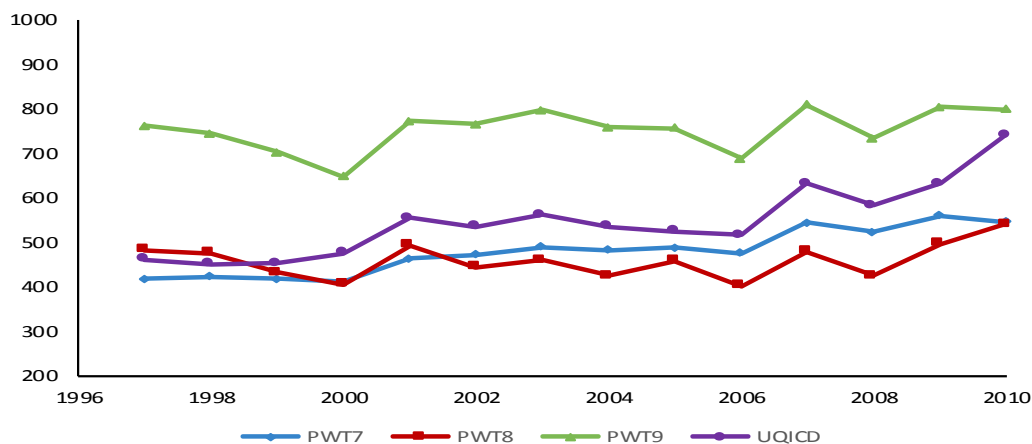


Figure 12 Aggregate welfare measure

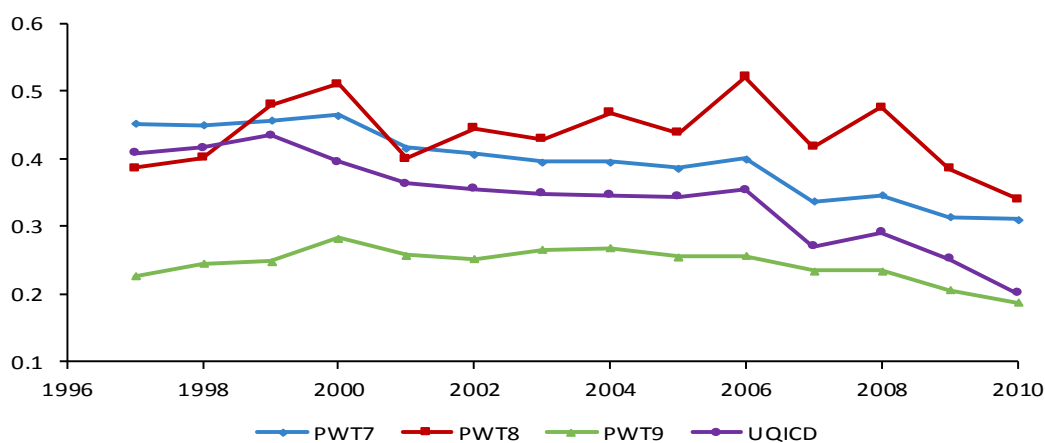


Figure 13 Headcount ratios for Africa

For Figure 12, we notice that the aggregate welfare measures from using PWT9 greatly exceed those from the other data sources, in all years. From 1999-2010, UQICD exhibits greater welfare than that from PWT7 and PWT8. These relativities extend to the headcount ratios in Figure 13. The headcount ratios from PWT9 are lower than those from the other data sources, and those from UQICD are lower than those from PWT7 and PWT8 for the period 1999-2010. In the last two rows of Table 1, the magnitudes of the declines from 1997 to 2010 are compared with those of SP for their “baseline category A” results. Data from PWT7 and UQICD suggest reductions in poverty similar or greater than, those reported by SP. Results from PWT8 and PWT9 suggest there has only been a slight reduction in poverty.

8. Concluding Remarks

Using available share data from the World Bank's Povcal website, and mean incomes from four different data series – PWT7, PWT8, PWT9 and UQICD – we have suggested methodology for estimating shares for years where share data are unavailable, and for estimating a panel of income distributions that take the form of lognormal mixtures. The methodology was applied to 28 African countries for the period 1997 to 2010. Estimates for the $28 \times 14 = 392$ country/year distributions and various summary statistics – current and constant-price means, Gini coefficients, and poverty and welfare measures – were provided in a form suitable for analysis by other researchers. In the current paper we focussed on results for six example countries – Angola, Ethiopia, Kenya, Nigeria, South Africa and Tanzania. We found that the PPPs from the different data sources can lead to substantial differences in mean incomes and in poverty and welfare assessments, and in the way in which these quantities change overtime.

One of our contributions is the rigorous set of tools proposed for developing panels of income distributions. With accurate share data and accurate mean incomes, we can be comfortable that these tools are producing reliable estimates of income distributions. When share data need to be interpolated, the results are less reliable, but the tools are nevertheless reasonable. When share data need to be extrapolated, by necessity the tools are more ad hoc, and estimation becomes more hazardous. What becomes strikingly clear is the need to obtain reliable mean incomes that truly reflect purchasing power parities. Our comparisons show that conclusions about the level of poverty and welfare and changes in those levels can be heavily dependent choice of mean incomes. In terms of whether poverty in Africa has been declining over the sample period, our results are in broad agreement with those of Pinkovskiy and Sala-i-Martin (2014), but sensitive to the choice of mean incomes. The sensitivity to choice of mean incomes makes it difficult to assess whether policy objectives for poverty reduction are being met. Also, declining headcount ratios may not be the whole story. As noted by the World Bank (2016), the number of poor can still be increasing even when the proportion of poor is declining.

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Inequality and Poverty in Africa: Comparing Panels of Income Distributions from Different Data Sources

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Supplementary Tables

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Angola	1997	E	3,2	4.4233	1.0072	0.6967	7.3001	0.6062	0.0330	5.6759	0.6062	0.2704
Angola	1998	E	3,2	5.6134	1.0613	0.7479	8.4652	0.5899	0.0278	6.8091	0.5899	0.2243
Angola	1999	E	3,2	4.8833	1.1329	0.8319	7.7501	0.5429	0.0163	5.9563	0.5429	0.1518
Angola	2000	O	3,2	5.3142	1.2057	0.9174	6.0197	0.2456	0.0546	6.6658	0.2456	0.0280
Angola	2001	I	3,2	5.8964	0.9969	0.7507	7.0593	0.5896	0.2215	8.6325	0.5896	0.0278
Angola	2002	I	3,2	5.8046	0.8817	0.6908	6.9774	0.5987	0.2776	8.4628	0.5987	0.0317
Angola	2003	I	3,2	6.0003	0.8062	0.6624	7.1347	0.5969	0.3064	8.5794	0.5969	0.0312
Angola	2004	I	3,2	6.1028	0.7573	0.6633	7.1798	0.5818	0.3059	8.5714	0.5818	0.0307
Angola	2005	I	3,2	6.3054	0.7245	0.6832	7.3229	0.5639	0.2875	8.6572	0.5639	0.0293
Angola	2006	I	3,2	6.3879	0.7080	0.7414	7.3516	0.5252	0.2297	8.5942	0.5252	0.0289
Angola	2007	I	3,2	7.0657	0.7336	0.9183	8.0151	0.2645	0.0530	9.0983	0.2645	0.0287
Angola	2008	O	3,2	6.8305	0.1004	0.0226	7.3518	0.7429	0.9534	8.7310	0.7429	0.0240
Angola	2009	E	3,3	7.5521	0.6730	0.7547	8.4164	0.0843	0.0173	8.2383	0.8393	0.2280
Angola	2010	E	3,3	7.7112	0.6576	0.7024	8.5102	0.0934	0.0236	8.1415	0.8879	0.2740
Burnika Faso	1997	I	3,1	5.4794	0.5425	0.8645	6.8238	0.5425	0.1295	8.8818	0.5425	0.0060
Burnika Faso	1998	O	3,2	5.4857	0.2561	0.1505	5.7215	0.6252	0.7908	7.5928	0.6252	0.0588
Burnika Faso	1999	I	3,2	5.6234	0.2618	0.1499	5.8575	0.6213	0.7925	7.6539	0.6213	0.0575
Burnika Faso	2000	I	3,2	5.6583	0.2667	0.1514	5.8922	0.6198	0.7919	7.6411	0.6198	0.0566
Burnika Faso	2001	I	3,2	5.7214	0.2852	0.1648	5.9594	0.6204	0.7819	7.5883	0.6204	0.0533
Burnika Faso	2002	I	3,2	5.7647	0.3064	0.1896	6.0128	0.6272	0.7618	7.5480	0.6272	0.0486
Burnika Faso	2003	O	3,2	5.8513	0.2128	0.0974	6.0635	0.5921	0.8415	7.4717	0.5921	0.0611
Burnika Faso	2004	I	3,2	5.8944	0.3460	0.2348	6.1779	0.6445	0.7296	7.6565	0.6445	0.0356
Burnika Faso	2005	I	3,2	5.9537	0.3546	0.2234	6.2466	0.6401	0.7417	7.7458	0.6401	0.0349
Burnika Faso	2006	I	3,2	5.9682	0.3629	0.2099	6.2733	0.6349	0.7555	7.7918	0.6349	0.0346
Burnika Faso	2007	I	3,2	5.9702	0.3716	0.1962	6.2925	0.6296	0.7697	7.8303	0.6296	0.0341
Burnika Faso	2008	I	3,2	6.0448	0.3801	0.1813	6.3910	0.6238	0.7849	7.9471	0.6238	0.0338
Burnika Faso	2009	O	3,2	6.0880	0.3919	0.1798	6.4623	0.6231	0.7889	8.0519	0.6231	0.0313
Burnika Faso	2010	E	3,3	6.7730	0.8276	0.3153	7.0055	0.2132	0.0627	6.2899	0.4572	0.6220
Burundi	1997	I	3,1	4.1402	0.5755	0.0896	5.4208	0.5755	0.8703	6.9166	0.5755	0.0401
Burundi	1998	O	3,2	4.0668	0.6542	0.0888	5.5427	0.6175	0.8999	7.8503	0.6175	0.0112
Burundi	1999	I	3,2	3.9238	0.4071	0.0499	5.4450	0.6187	0.9341	7.4899	0.6187	0.0160
Burundi	2000	I	3,2	4.0505	0.2567	0.0296	5.4562	0.6087	0.9469	7.2573	0.6087	0.0235
Burundi	2001	I	3,1	5.1144	0.5700	0.3116	5.5662	0.5700	0.6577	7.1058	0.5700	0.0307
Burundi	2002	I	3,2	5.3763	0.5228	0.8737	6.1818	0.2735	0.0842	7.1624	0.2735	0.0421
Burundi	2003	I	3,1	5.1706	0.4051	0.5966	5.8669	0.4051	0.3568	6.9878	0.4051	0.0466
Burundi	2004	I	3,2	5.1080	0.3282	0.4319	5.7297	0.4263	0.5106	6.8661	0.4263	0.0575
Burundi	2005	I	3,2	5.2110	0.2822	0.4309	5.8146	0.3980	0.5026	6.8906	0.3980	0.0665
Burundi	2006	O	3,2	5.3236	0.2481	0.4050	5.8768	0.4059	0.5256	6.9129	0.4059	0.0695
Burundi	2007	E	2,2	6.1291	0.5737	0.4436	5.4655	0.2995	0.5564			
Burundi	2008	E	3,2	6.5510	0.5602	0.1646	6.0140	0.2634	0.2553	5.3862	0.2634	0.5801
Burundi	2009	E	3,2	6.5380	0.5813	0.1730	6.0175	0.2579	0.2486	5.3930	0.2579	0.5784
Burundi	2010	E	3,2	6.6996	0.4794	0.1270	6.0373	0.2548	0.2830	5.4181	0.2548	0.5900
Cameroon	1997	I	3,2	6.4829	0.5412	0.8822	7.4459	0.1959	0.0689	8.3644	0.1959	0.0489
Cameroon	1998	I	2,2	6.5055	0.5508	0.8044	7.3371	0.7709	0.1956			
Cameroon	1999	I	2,2	6.5547	0.5645	0.8292	7.3975	0.7913	0.1708			
Cameroon	2000	I	2,1	6.6630	0.6056	0.9493	8.1923	0.6056	0.0507			
Cameroon	2001	O	2,2	6.6568	0.5763	0.8632	7.5264	0.8219	0.1368			
Cameroon	2002	I	2,1	8.1776	0.6125	0.0647	6.7243	0.6125	0.9353			
Cameroon	2003	I	2,1	8.1424	0.5975	0.0807	6.7773	0.5975	0.9193			
Cameroon	2004	I	2,1	8.0893	0.5819	0.0989	6.7966	0.5819	0.9011			
Cameroon	2005	I	2,1	8.0581	0.5660	0.1189	6.8235	0.5660	0.8811			
Cameroon	2006	I	2,1	8.0391	0.5499	0.1400	6.8503	0.5499	0.8600			
Cameroon	2007	O	3,2	6.3742	0.2856	0.2123	7.1446	0.5138	0.7122	8.2785	0.5138	0.0755
Cameroon	2008	E	3,2	6.4456	0.2996	0.2208	8.6962	0.5474	0.0283	7.2290	0.5474	0.7509
Cameroon	2009	E	3,2	6.4444	0.2898	0.2174	8.6701	0.5438	0.0330	7.2218	0.5438	0.7497

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Cameroon	2010	E	2,1	8.1537	0.5153	0.1479	6.9973	0.5153	0.8521			
Central African Republic	1997	I	3,2	5.2654	0.8121	0.8290	6.3559	0.3101	0.1011	7.5129	0.3101	0.0699
Central African Republic	1998	I	3,2	5.3429	0.7780	0.8258	6.3725	0.2964	0.1005	7.4947	0.2964	0.0737
Central African Republic	1999	I	3,2	5.3663	0.7498	0.8260	6.3340	0.2790	0.0974	7.4247	0.2790	0.0766
Central African Republic	2000	I	3,2	5.4584	0.7269	0.8307	6.3615	0.2540	0.0906	7.4239	0.2540	0.0787
Central African Republic	2001	I	3,2	5.5451	0.7061	0.8337	6.3917	0.2424	0.0874	7.4259	0.2424	0.0789
Central African Republic	2002	I	3,2	5.5868	0.6941	0.8523	6.3596	0.1907	0.0702	7.3741	0.1907	0.0776
Central African Republic	2003	O	3,2	5.1851	0.5584	0.4364	6.0396	0.5423	0.4914	7.1006	0.5423	0.0722
Central African Republic	2004	I	3,2	4.7344	0.2249	0.0254	5.7440	0.7412	0.9264	7.2313	0.7412	0.0482
Central African Republic	2005	I	3,2	4.6810	0.2135	0.0217	5.7436	0.7705	0.9420	7.5532	0.7705	0.0362
Central African Republic	2006	I	3,2	4.5978	0.2088	0.0181	5.7086	0.8007	0.9507	7.7701	0.8007	0.0313
Central African Republic	2007	I	3,2	4.5491	0.2047	0.0139	5.7090	0.8351	0.9582	7.9935	0.8351	0.0278
Central African Republic	2008	O	3,2	4.3874	0.5002	0.0580	5.7750	0.8000	0.9010	7.9941	0.8000	0.0410
Central African Republic	2009	E	2,2	5.6663	0.8692	0.9295	6.9529	1.3174	0.0705			
Central African Republic	2010	E	2,2	5.8060	0.7706	0.8597	6.3457	1.3980	0.1403			
Ethiopia	1997	I	2,2	5.5196	0.4680	0.9036	6.3355	0.8708	0.0964			
Ethiopia	1998	I	2,2	5.4787	0.4400	0.8778	6.0762	0.8376	0.1222			
Ethiopia	1999	O	2,2	5.5492	0.4117	0.8407	5.9675	0.7728	0.1593			
Ethiopia	2000	I	2,2	5.4753	0.4153	0.8631	5.9656	0.7690	0.1369			
Ethiopia	2001	I	2,2	5.5627	0.4185	0.8846	6.1455	0.7587	0.1154			
Ethiopia	2002	I	2,2	5.5654	0.4235	0.9210	6.4016	0.6937	0.0790			
Ethiopia	2003	I	3,2	5.1946	0.1190	0.0309	5.5943	0.4322	0.9345	7.0021	0.4322	0.0346
Ethiopia	2004	I	3,2	5.4124	0.3517	0.5861	5.9147	0.3142	0.3713	7.0298	0.3142	0.0426
Ethiopia	2005	O	3,2	5.6204	0.3314	0.5225	6.1404	0.3093	0.4333	7.2737	0.3093	0.0442
Ethiopia	2006	I	2,2	5.9727	0.4339	0.9386	7.0148	0.6409	0.0614			
Ethiopia	2007	I	2,2	6.0797	0.4427	0.8901	6.7031	0.7873	0.1099			
Ethiopia	2008	I	3,1	5.6961	0.4410	0.0801	6.2530	0.4410	0.8739	7.5799	0.4410	0.0460
Ethiopia	2009	I	3,1	5.6712	0.4378	0.0870	6.3567	0.4378	0.8610	7.6488	0.4378	0.0519
Ethiopia	2010	O	3,1	5.6052	0.4424	0.0749	6.4463	0.4424	0.8689	7.7274	0.4424	0.0561
Gambia	1997	E	2,2	6.7906	0.3289	0.0571	5.9986	1.1700	0.9429			
Gambia	1998	O	3,2	6.0464	0.7362	0.7914	7.2658	0.4939	0.1696	8.2533	0.4939	0.0390
Gambia	1999	I	3,2	6.1245	0.7310	0.8072	7.3407	0.5012	0.1630	8.4055	0.5012	0.0298
Gambia	2000	I	3,2	6.2506	0.7272	0.8257	7.4623	0.5060	0.1516	8.6110	0.5060	0.0227
Gambia	2001	I	3,2	5.8909	0.3630	0.0943	6.4796	0.8423	0.8851	8.1273	0.8423	0.0206
Gambia	2002	I	3,2	6.0098	0.3256	0.0876	6.5640	0.8313	0.9009	8.5965	0.8313	0.0115
Gambia	2003	O	3,2	6.0471	0.0987	0.0295	6.5105	0.7770	0.9314	8.1289	0.7770	0.0391
Gambia	2004	E	2,2	6.4349	0.6740	0.6588	6.7888	1.03509	0.34116			
Gambia	2005	E	2,2	6.4406	0.7035	0.7205	6.8864	1.06610	0.27950			
Gambia	2006	E	2,2	6.4602	0.7060	0.7300	6.9046	1.08792	0.26999			
Gambia	2007	E	2,2	6.4901	0.7098	0.7407	6.9368	1.10943	0.25933			
Gambia	2008	E	2,2	6.5145	0.7051	0.7350	6.9880	1.11830	0.26501			
Gambia	2009	E	3,3	6.1084	0.3305	0.1074	6.6763	0.7950	0.8145	7.0223	1.4435	0.0782
Gambia	2010	E	3,3	6.2142	0.4211	0.3570	7.0664	0.5055	0.3551	6.8559	1.1523	0.2879
Ghana	1997	I	3,2	6.4989	0.6732	0.8893	7.3321	0.2780	0.0779	8.2012	0.2780	0.0329
Ghana	1998	O	3,2	6.4926	0.6855	0.8812	7.3479	0.2746	0.0858	8.1970	0.2746	0.0329
Ghana	1999	I	3,2	6.7359	0.7077	0.9156	7.5518	0.2629	0.0588	8.4690	0.2629	0.0256
Ghana	2000	I	3,2	6.6933	0.7450	0.9782	7.3212	0.1106	0.0134	8.6039	0.1106	0.0084
Ghana	2001	I	3,1	6.0989	0.6863	0.1954	6.7385	0.6863	0.7740	7.8936	0.6863	0.0306
Ghana	2002	I	3,1	6.0146	0.6595	0.1436	6.8276	0.6595	0.8072	7.9784	0.6595	0.0492
Ghana	2003	I	3,1	5.9416	0.6434	0.1258	6.8622	0.6434	0.8177	8.0577	0.6434	0.0564
Ghana	2004	I	3,1	5.9541	0.6307	0.1162	6.9583	0.6307	0.8230	8.1983	0.6307	0.0607
Ghana	2005	O	3,1	5.9397	0.6305	0.1021	7.0269	0.6305	0.8402	8.3330	0.6305	0.0577
Ghana	2006	E	3,1	5.9118	0.6360	0.0991	7.0021	0.6360	0.8427	8.3542	0.6360	0.0582
Ghana	2007	E	3,1	5.9289	0.6495	0.0880	7.0424	0.6495	0.8567	8.4562	0.6495	0.0553
Ghana	2008	E	3,1	6.0051	0.6621	0.0770	7.1411	0.6621	0.8691	8.6197	0.6621	0.0538

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Ghana	2009	E	3,1	5.9324	0.6731	0.0653	7.0971	0.6731	0.8809	8.6189	0.6731	0.0538
Ghana	2010	E	3,1	5.7483	0.6536	0.0316	7.2162	0.6536	0.9229	8.6318	0.6536	0.0455
Guinea	1997	I	3,1	5.5556	0.5499	0.6308	6.4772	0.5499	0.3462	7.7419	0.5499	0.0230
Guinea	1998	I	3,1	5.7145	0.5636	0.6730	6.6158	0.5636	0.3119	8.0247	0.5636	0.0151
Guinea	1999	I	3,2	5.9299	0.6325	0.9245	6.9046	0.0634	0.0331	7.8491	0.0634	0.0424
Guinea	2000	I	2,2	5.9482	0.6222	0.8413	6.7366	0.8395	0.1587			
Guinea	2001	I	2,2	6.0123	0.6174	0.8603	6.7582	0.8862	0.1397			
Guinea	2002	I	2,2	6.0512	0.5975	0.8340	6.5946	0.9541	0.1660			
Guinea	2003	O	2,2	5.9975	0.5801	0.8332	6.4736	0.9864	0.1668			
Guinea	2004	I	2,2	6.0192	0.5684	0.7473	6.3860	0.9224	0.2527			
Guinea	2005	I	2,2	5.9807	0.5386	0.5924	6.2842	0.8480	0.4076			
Guinea	2006	I	2,2	5.9474	0.4362	0.3072	6.2397	0.7740	0.6928			
Guinea	2007	O	2,2	5.9898	0.2797	0.1368	6.3095	0.7377	0.8632			
Guinea	2008	E	3,2	6.2718	0.7519	0.8096	5.9399	0.2697	0.1678	5.3260	0.2697	0.0226
Guinea	2009	E	3,3	5.6084	0.2008	0.0797	5.7514	0.5878	0.4196	6.0820	0.8081	0.5006
Guinea	2010	E	3,3	5.8796	0.4911	0.2338	6.0959	0.7461	0.6917	5.7160	0.1854	0.0745
Guinea Bissau	1997	I	3,2	6.2027	0.5912	0.8810	6.9479	0.3013	0.0792	8.2608	0.3013	0.0398
Guinea Bissau	1998	I	3,2	6.0852	0.6089	0.9517	6.7826	0.1027	0.0164	8.1224	0.1027	0.0319
Guinea Bissau	1999	I	2,2	6.0677	0.5696	0.8432	6.5560	0.9841	0.1568			
Guinea Bissau	2000	I	2,2	6.0677	0.5480	0.7991	6.4485	0.9290	0.2009			
Guinea Bissau	2001	I	2,2	6.1773	0.5240	0.7353	6.4730	0.8629	0.2647			
Guinea Bissau	2002	O	2,2	6.1924	0.5000	0.6701	6.4067	0.8089	0.3299			
Guinea Bissau	2003	E	3,2	6.2883	0.8120	0.3956	6.4793	0.3640	0.2464	5.8659	0.3640	0.3580
Guinea Bissau	2004	E	3,2	6.4363	0.8300	0.3856	6.6383	0.3556	0.2562	6.0170	0.3556	0.3582
Guinea Bissau	2005	E	3,2	6.4494	0.8546	0.3633	6.6394	0.3654	0.2642	6.0123	0.3654	0.3725
Guinea Bissau	2006	E	3,3	6.5160	0.8366	0.4051	6.9825	0.1023	0.0369	6.2462	0.4465	0.5580
Guinea Bissau	2007	E	3,3	6.5459	0.8516	0.3983	7.0127	0.1082	0.0382	6.2740	0.4487	0.5634
Guinea Bissau	2008	E	3,3	6.3436	0.4455	0.5836	7.0947	0.1159	0.0393	6.6624	0.8605	0.3772
Guinea Bissau	2009	E	3,3	6.3400	0.4413	0.5993	7.0999	0.1224	0.0402	6.7012	0.8649	0.3605
Guinea Bissau	2010	E	2,1	7.8469	0.5537	0.0529	6.4390	0.5537	0.9471			
Kenya	1997	O	3,2	5.5780	0.2837	0.1522	6.4570	0.5477	0.7840	7.9040	0.5477	0.0638
Kenya	1998	I	3,2	5.5982	0.3137	0.1431	6.4736	0.5682	0.7955	7.9540	0.5682	0.0615
Kenya	1999	I	3,2	5.6282	0.3570	0.1398	6.4849	0.5899	0.8020	8.0002	0.5899	0.0583
Kenya	2000	I	3,2	5.6600	0.4213	0.1489	6.4724	0.6120	0.7968	8.0217	0.6120	0.0543
Kenya	2001	I	3,1	6.0457	0.5657	0.5108	6.7880	0.5657	0.4442	8.2195	0.5657	0.0450
Kenya	2002	I	2,2	6.3276	0.6695	0.8326	7.0991	0.9728	0.1674			
Kenya	2003	I	2,2	6.3529	0.6488	0.7293	6.7921	1.0468	0.2707			
Kenya	2004	I	2,2	6.5059	0.5764	0.7302	6.5959	1.1704	0.2698			
Kenya	2005	O	3,2	6.3736	1.5518	0.0853	6.3765	0.6351	0.7809	7.4621	0.6351	0.1339
Kenya	2006	E	3,2	6.2455	0.4786	0.4097	6.7011	1.1320	0.3723	7.0391	0.4786	0.2180
Kenya	2007	E	3,2	6.3050	0.4849	0.4250	6.7709	1.1573	0.3575	7.1173	0.4849	0.2175
Kenya	2008	E	3,2	6.2923	0.4935	0.4455	6.7712	1.1850	0.3406	7.1257	0.4935	0.2139
Kenya	2009	E	3,2	6.3036	0.4865	0.4455	6.8069	1.1903	0.3399	7.1424	0.4865	0.2146
Kenya	2010	E	3,2	6.3791	0.4175	0.3956	6.8862	1.1244	0.3630	7.1739	0.4175	0.2414
Lesotho	1997	I	3,1	5.0731	0.9047	0.1766	6.3965	0.9047	0.5797	7.5533	0.9047	0.2436
Lesotho	1998	I	3,1	5.1294	0.9032	0.1573	6.4893	0.9032	0.6284	7.5951	0.9032	0.2143
Lesotho	1999	I	3,1	5.1719	0.8956	0.1441	6.5883	0.8956	0.6840	7.6709	0.8956	0.1719
Lesotho	2000	I	3,1	5.2212	0.8803	0.1354	6.6973	0.8803	0.7361	7.7999	0.8803	0.1285
Lesotho	2001	I	3,1	5.2452	0.8595	0.1297	6.7717	0.8595	0.7760	7.9265	0.8595	0.0943
Lesotho	2002	O	3,2	6.3858	1.1024	0.5376	7.0008	0.6996	0.4081	8.2826	0.6996	0.0543
Lesotho	2003	I	3,2	4.1933	0.4589	0.0128	6.7918	1.0451	0.9054	7.1349	0.4589	0.0818
Lesotho	2004	I	3,2	4.1723	0.4445	0.0119	6.8323	1.0465	0.9155	7.1729	0.4445	0.0726
Lesotho	2005	I	3,2	5.6320	1.0178	0.0995	7.0063	0.6145	0.1263	7.0066	1.0178	0.7742
Lesotho	2006	I	3,2	5.5689	1.0230	0.0804	7.0234	0.6165	0.1108	7.0237	1.0230	0.8088
Lesotho	2007	I	3,2	5.4685	1.0279	0.0602	7.0516	0.6076	0.0899	7.0519	1.0279	0.8499

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Lesotho	2008	I	3,2	5.3172	1.0325	0.0416	7.0986	0.5807	0.0654	7.0988	1.0325	0.8930
Lesotho	2009	I	3,2	5.0505	1.0364	0.0267	7.1299	0.5077	0.0391	7.1301	1.0364	0.9342
Lesotho	2010	O	3,2	5.0684	1.0454	0.0254	7.1469	0.5779	0.0499	7.1473	1.0454	0.9248
Madagascar	1997	O	2,2	6.0527	0.6241	0.7919	6.1193	0.9748	0.2081			
Madagascar	1998	I	2,2	5.9354	0.5560	0.4371	6.1849	0.8173	0.5629			
Madagascar	1999	O	2,2	5.9419	0.6363	0.8795	7.1194	0.5987	0.1205			
Madagascar	2000	I	3,1	5.8310	0.6225	0.7916	6.9490	0.6225	0.1981	7.7222	0.6225	0.0103
Madagascar	2001	O	3,1	5.7125	0.6082	0.7222	6.8045	0.6082	0.2345	7.5976	0.6082	0.0433
Madagascar	2002	I	3,1	5.7380	0.5966	0.7746	6.8451	0.5966	0.2134	8.4357	0.5966	0.0120
Madagascar	2003	I	3,1	5.8995	0.5829	0.8416	7.0383	0.5829	0.1555	9.9954	0.5829	0.0028
Madagascar	2004	I	2,2	6.0138	0.5762	0.9025	7.0769	1.1546	0.0975			
Madagascar	2005	O	2,2	6.0519	0.5250	0.9170	6.9835	1.3712	0.0830			
Madagascar	2006	I	2,2	6.0751	0.5538	0.9034	6.9196	1.2981	0.0966			
Madagascar	2007	I	2,2	6.0924	0.5787	0.8815	6.7977	1.2382	0.1185			
Madagascar	2008	I	2,2	6.1755	0.5986	0.8433	6.7300	1.1656	0.1567			
Madagascar	2009	I	2,2	6.1632	0.6078	0.7642	6.5649	1.0714	0.2358			
Madagascar	2010	O	2,2	6.1400	0.5843	0.5638	6.4176	0.9516	0.4362			
Malawi	1997	O	2,2	5.2655	0.6100	0.7654	5.8619	1.1761	0.2346			
Malawi	1998	I	2,2	5.1807	0.6026	0.7894	5.8593	1.1202	0.2106			
Malawi	1999	I	2,2	5.2880	0.5958	0.8169	6.0740	1.0546	0.1831			
Malawi	2000	I	2,2	5.2748	0.5890	0.8529	6.2357	0.9636	0.1471			
Malawi	2001	I	3,1	5.1484	0.5471	0.8007	5.9703	0.5471	0.1702	7.3630	0.5471	0.0291
Malawi	2002	I	3,1	5.2993	0.5070	0.7044	6.0255	0.5070	0.2606	7.4276	0.5070	0.0350
Malawi	2003	I	3,1	5.3182	0.4761	0.6550	6.0286	0.4761	0.3079	7.3799	0.4761	0.0371
Malawi	2004	O	3,1	5.3770	0.4576	0.6446	6.0832	0.4576	0.3193	7.3681	0.4576	0.0361
Malawi	2005	I	3,1	5.4195	0.4718	0.6375	6.1387	0.4718	0.3267	7.4414	0.4718	0.0358
Malawi	2006	I	3,1	5.4954	0.4952	0.6527	6.2291	0.4952	0.3144	7.5562	0.4952	0.0329
Malawi	2007	I	3,1	5.5657	0.5216	0.6741	6.3145	0.5216	0.2965	7.6674	0.5216	0.0294
Malawi	2008	I	3,1	5.6305	0.5534	0.7136	6.4059	0.5534	0.2623	7.7919	0.5534	0.0242
Malawi	2009	I	3,1	5.6422	0.5926	0.7868	6.5009	0.5926	0.1985	7.9762	0.5926	0.0147
Malawi	2010	O	3,1	5.6792	0.6328	0.8599	6.7198	0.6328	0.1372	8.9301	0.6328	0.0029
Mali	1997	I	3,2	5.4239	0.3894	0.2147	5.9753	0.8134	0.7850	10.9432	0.8134	0.0003
Mali	1998	I	3,2	5.4974	0.3910	0.2103	6.0370	0.7946	0.7895	11.2400	0.7946	0.0002
Mali	1999	I	2,2	5.6469	0.4432	0.2784	6.1631	0.8007	0.7216			
Mali	2000	I	2,2	5.7734	0.5841	0.7211	6.7159	0.6357	0.2789			
Mali	2001	O	3,2	5.9560	0.6020	0.8604	6.9645	0.2835	0.1146	7.9090	0.2835	0.0249
Mali	2002	I	3,2	5.9560	0.6027	0.8757	6.9312	0.2600	0.0922	7.7967	0.2600	0.0321
Mali	2003	I	3,2	5.9551	0.6027	0.8897	6.9033	0.2415	0.0740	7.7368	0.2415	0.0363
Mali	2004	I	3,2	6.1090	0.6022	0.9029	7.0359	0.2266	0.0584	7.8544	0.2266	0.0387
Mali	2005	I	3,2	5.0227	0.1982	0.0384	6.1013	0.5464	0.8344	7.1914	0.5464	0.1272
Mali	2006	O	3,2	6.1164	0.1246	0.0480	6.1169	0.6174	0.8292	7.1176	0.6174	0.1228
Mali	2007	I	3,2	5.2182	0.2157	0.0407	6.2158	0.5166	0.8317	7.2726	0.5166	0.1275
Mali	2008	I	3,1	6.0092	0.5037	0.3690	6.4203	0.5037	0.5215	7.3103	0.5037	0.1095
Mali	2009	I	2,2	6.3564	0.5607	0.9682	7.8159	0.1244	0.0318			
Mali	2010	O	2,2	6.0996	0.3150	0.2102	6.5282	0.6025	0.7898			
Mauritania	1997	I	2,2	6.4745	0.4633	0.2109	6.5743	0.7412	0.7891			
Mauritania	1998	I	3,2	6.5315	0.6671	0.9673	6.9697	0.0971	0.0125	8.1407	0.0971	0.0202
Mauritania	1999	I	3,2	6.3276	0.5820	0.6839	6.9559	0.4052	0.2332	7.8153	0.4052	0.0829
Mauritania	2000	O	3,2	6.0268	0.4763	0.3674	6.7867	0.4539	0.5193	7.7064	0.4539	0.1133
Mauritania	2001	I	3,1	6.0546	0.4839	0.3664	6.7929	0.4839	0.5506	7.8315	0.4839	0.0830
Mauritania	2002	I	3,1	6.1619	0.5084	0.4006	6.8371	0.5084	0.5354	8.0006	0.5084	0.0640
Mauritania	2003	I	3,2	6.5787	0.5979	0.9117	7.3864	0.3179	0.0475	8.4202	0.3179	0.0409
Mauritania	2004	O	3,2	6.5888	0.5939	0.9330	7.4323	0.2024	0.0256	8.5170	0.2024	0.0414
Mauritania	2005	I	2,2	6.6802	0.6197	0.9603	8.4313	0.4699	0.0397			
Mauritania	2006	I	3,2	6.3221	0.0002	0.0059	6.7288	0.6300	0.9455	8.2174	0.6300	0.0486

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Mauritania	2007	I	3,2	6.8143	0.6590	0.9528	6.9444	0.1335	0.0210	8.7352	0.1335	0.0262
Mauritania	2008	O	3,2	6.9162	0.6770	0.9462	7.0686	0.1506	0.0316	8.8293	0.1506	0.0222
Mauritania	2009	E	3,3	6.7608	0.5656	0.4485	7.6526	0.3516	0.0760	7.2367	0.8694	0.4755
Mauritania	2010	E	2,1	6.9785	0.6836	0.9217	8.0040	0.6836	0.0783			
Mozambique	1997	I	3,2	5.1631	0.2025	0.0513	5.3714	0.6765	0.9073	7.1826	0.6765	0.0413
Mozambique	1998	I	3,2	5.2843	0.3495	0.1298	5.4169	0.7030	0.8326	7.2678	0.7030	0.0376
Mozambique	1999	I	2,2	5.3841	0.5813	0.7609	5.8933	1.0756	0.2391			
Mozambique	2000	I	3,2	5.3203	0.3666	0.1625	5.4425	0.7119	0.8003	7.3654	0.7119	0.0372
Mozambique	2001	I	3,2	5.3317	0.3667	0.1715	5.4517	0.7143	0.7912	7.4092	0.7143	0.0373
Mozambique	2002	O	3,2	5.6154	0.3821	0.1919	5.7336	0.7172	0.7702	7.7171	0.7172	0.0379
Mozambique	2003	I	2,2	5.7412	0.5831	0.7681	6.2136	1.1373	0.2319			
Mozambique	2004	I	2,2	5.8068	0.5920	0.7706	6.2079	1.1593	0.2294			
Mozambique	2005	I	2,2	5.9070	0.6023	0.7785	6.2387	1.1868	0.2215			
Mozambique	2006	I	3,1	0.4861	0.6663	0.0062	5.9841	0.6663	0.9579	7.9589	0.6663	0.0359
Mozambique	2007	O	3,1	0.2480	0.6741	0.0072	6.0789	0.6741	0.9610	8.0716	0.6741	0.0319
Mozambique	2008	E	3,2	5.8283	0.4820	0.3980	6.3523	1.2252	0.2462	6.5326	0.4820	0.3558
Mozambique	2009	E	3,2	5.8637	0.4864	0.4187	6.3909	1.2411	0.2422	6.5734	0.4864	0.3391
Mozambique	2010	E	3,2	5.9142	0.4043	0.3633	6.4334	1.1552	0.2706	6.6327	0.4043	0.3662
Namibia	1997	I	3,2	6.0294	0.4957	0.2160	6.6135	0.9309	0.6514	8.8161	0.9309	0.1326
Namibia	1998	I	3,2	6.0575	0.4763	0.2254	6.6252	0.9216	0.6478	8.7891	0.9216	0.1268
Namibia	1999	I	3,2	6.1333	0.4606	0.2353	6.6895	0.9144	0.6441	8.8154	0.9144	0.1206
Namibia	2000	I	3,2	6.2466	0.4482	0.2466	6.7968	0.9099	0.6398	8.8851	0.9099	0.1136
Namibia	2001	I	3,2	6.3908	0.4368	0.2565	6.9381	0.9063	0.6374	8.9943	0.9063	0.1061
Namibia	2002	I	3,2	6.4332	0.4295	0.2711	6.9871	0.9086	0.6328	9.0118	0.9086	0.0962
Namibia	2003	O	3,2	6.5810	0.4227	0.2857	7.1510	0.9169	0.6318	9.1627	0.9169	0.0825
Namibia	2004	I	3,2	6.5910	0.4027	0.2281	7.1177	0.8532	0.6715	9.1588	0.8532	0.1004
Namibia	2005	I	3,3	6.6219	0.4247	0.2584	7.2285	0.8788	0.6652	9.4009	0.7720	0.0764
Namibia	2006	I	3,3	6.7261	0.4314	0.2640	7.3682	0.8792	0.6662	9.5682	0.7449	0.0698
Namibia	2007	I	3,3	6.8122	0.4353	0.2659	7.4827	0.8755	0.6684	9.6924	0.7276	0.0657
Namibia	2008	I	3,3	6.8979	0.4417	0.2747	7.6086	0.8779	0.6678	9.8789	0.6784	0.0575
Namibia	2009	O	3,2	6.9429	0.4377	0.2510	7.6196	0.8371	0.6649	9.5720	0.8371	0.0841
Namibia	2010	E	3,3	7.0606	0.5068	0.5214	8.1181	0.3790	0.1181	8.2110	1.2024	0.3605
Niger	1997	I	3,2	5.3532	0.6217	0.9256	6.3230	0.1185	0.0332	7.3031	0.1185	0.0412
Niger	1998	I	2,2	5.4383	0.5943	0.7521	5.9385	0.9334	0.2479			
Niger	1999	I	2,2	5.4613	0.5922	0.7578	5.9556	0.9521	0.2422			
Niger	2000	I	2,2	5.4149	0.5902	0.7633	5.9046	0.9703	0.2367			
Niger	2001	I	2,2	5.4754	0.5881	0.7683	5.9614	0.9881	0.2317			
Niger	2002	I	2,2	5.5064	0.5873	0.7740	5.9933	1.0049	0.2260			
Niger	2003	I	2,2	5.5536	0.5876	0.7802	6.0441	1.0216	0.2198			
Niger	2004	I	2,2	5.5674	0.5890	0.7876	6.0628	1.0396	0.2124			
Niger	2005	O	2,2	5.5544	0.5802	0.7857	6.0537	1.0428	0.2143			
Niger	2006	I	2,2	5.6324	0.5337	0.8494	6.4782	0.8044	0.1506			
Niger	2007	O	2,2	5.7041	0.4500	0.7881	6.4309	0.6540	0.2119			
Niger	2008	I	3,1	5.6157	0.3884	0.5779	6.2046	0.3884	0.3656	7.2202	0.3884	0.0565
Niger	2009	I	3,2	5.7247	0.4006	0.7724	6.3921	0.2803	0.1536	7.1119	0.4006	0.0740
Niger	2010	I	3,2	5.7712	0.4299	0.8454	6.2110	0.0005	0.0437	6.8649	0.4299	0.1110
Nigeria	1997	I	3,1	5.0632	0.6560	0.0674	6.1008	0.6560	0.8796	7.7540	0.6560	0.0530
Nigeria	1998	I	3,1	5.0998	0.6575	0.0767	6.1152	0.6575	0.8709	7.7091	0.6575	0.0524
Nigeria	1999	I	3,1	5.0657	0.6591	0.0858	6.0647	0.6591	0.8622	7.5940	0.6591	0.0520
Nigeria	2000	I	3,1	5.1117	0.6606	0.0947	6.0990	0.6606	0.8533	7.5562	0.6606	0.0520
Nigeria	2001	I	3,1	5.5454	0.6620	0.1032	6.5248	0.6620	0.8442	7.8995	0.6620	0.0527
Nigeria	2002	I	3,1	5.5791	0.6628	0.1111	6.5539	0.6628	0.8338	7.8302	0.6628	0.0551
Nigeria	2003	O	3,2	5.1266	0.4256	0.0267	6.6710	0.7103	0.9253	7.8703	0.7103	0.0480
Nigeria	2004	I	2,2	6.6777	0.6728	0.5676	6.7481	0.9532	0.4324			
Nigeria	2005	I	2,2	6.6456	0.6996	0.6529	6.7841	0.9997	0.3471			

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Nigeria	2006	I	2,2	6.4643	0.7110	0.6749	6.6685	1.0237	0.3251			
Nigeria	2007	I	2,2	6.8018	0.7182	0.6797	7.0689	1.0388	0.3203			
Nigeria	2008	I	2,2	6.5219	0.7235	0.6778	6.8494	1.0494	0.3222			
Nigeria	2009	O	2,2	6.4754	0.7216	0.6552	6.8564	1.0521	0.3448			
Nigeria	2010	I	2,2	6.4839	0.6415	0.5948	6.6776	0.9718	0.4052			
Rawanda	1997	E	2,2	5.4818	0.6105	0.8101	6.3801	1.1074	0.1899			
Rawanda	1998	E	2,2	5.4898	0.6114	0.8008	6.3403	1.1236	0.1992			
Rawanda	1999	E	2,2	5.5006	0.6090	0.7888	6.2961	1.1408	0.2112			
Rawanda	2000	O	2,2	5.5037	0.6063	0.7771	6.2515	1.1543	0.2229			
Rawanda	2001	I	3,2	5.5064	0.5386	0.5324	5.8574	0.8879	0.4402	7.8593	0.8879	0.0274
Rawanda	2002	I	3,2	5.5944	0.5059	0.4196	5.8708	0.8266	0.5425	7.8960	0.8266	0.0378
Rawanda	2003	I	3,2	5.5410	0.4851	0.2755	5.7426	0.7685	0.6802	7.7996	0.7685	0.0443
Rawanda	2004	I	3,2	5.5467	0.4287	0.2473	5.7738	0.7633	0.7049	7.8677	0.7633	0.0478
Rawanda	2005	O	3,2	5.6213	0.3893	0.1972	5.8406	0.7477	0.7520	7.9556	0.7477	0.0508
Rawanda	2006	I	3,2	5.7474	0.4213	0.2418	6.0071	0.7425	0.7070	8.0776	0.7425	0.0511
Rawanda	2007	I	3,2	5.8247	0.4541	0.3149	6.1327	0.7443	0.6348	8.1466	0.7443	0.0503
Rawanda	2008	I	3,2	5.8819	0.4671	0.3626	6.2365	0.7357	0.5871	8.2002	0.7357	0.0503
Rawanda	2009	I	3,2	5.9809	0.4676	0.3832	6.3778	0.7166	0.5654	8.3030	0.7166	0.0514
Rawanda	2010	O	3,2	6.0300	0.4623	0.3925	6.4681	0.6929	0.5547	8.3605	0.6929	0.0528
Senegal	1997	I	3,2	5.9570	0.0188	0.0213	6.3341	0.5708	0.8967	7.7711	0.5708	0.0820
Senegal	1998	I	3,2	6.0060	0.0718	0.0245	6.3960	0.5722	0.8951	7.8342	0.5722	0.0804
Senegal	1999	I	3,2	6.0230	0.1363	0.0382	6.4430	0.5795	0.8884	7.8972	0.5795	0.0734
Senegal	2000	I	3,2	6.3564	0.5160	0.8231	7.1163	0.2527	0.0974	8.1014	0.2527	0.0795
Senegal	2001	O	3,2	6.3342	0.4766	0.7413	7.0776	0.2689	0.1674	8.0903	0.2689	0.0914
Senegal	2002	I	3,2	6.1619	0.2114	0.0704	6.6248	0.6322	0.8989	8.3063	0.6322	0.0307
Senegal	2003	I	3,2	0.1239	4.2529	0.0085	6.3925	0.4693	0.6402	7.2704	0.4693	0.3512
Senegal	2004	I	3,2	0.2061	4.1408	0.0114	6.4230	0.4696	0.6105	7.2916	0.4696	0.3781
Senegal	2005	O	3,2	6.5984	1.3423	0.0612	6.6024	0.5456	0.6764	7.3828	0.5456	0.2624
Senegal	2006	I	3,1	0.2992	0.6220	0.0048	6.7777	0.6220	0.9123	7.8696	0.6220	0.0829
Senegal	2007	I	3,1	0.2965	0.6117	0.0054	6.8110	0.6117	0.8905	7.8724	0.6117	0.1041
Senegal	2008	I	3,1	0.3004	0.6028	0.0061	6.8374	0.6028	0.8731	7.8902	0.6028	0.1208
Senegal	2009	I	3,1	0.2485	0.5950	0.0067	6.8369	0.5950	0.8596	7.8922	0.5950	0.1337
Senegal	2010	I	3,1	0.2491	0.5883	0.0073	6.8352	0.5883	0.8492	7.8990	0.5883	0.1435
Sierra Leone	1997	I	2,2	4.7138	0.3470	0.2940	6.0166	0.8335	0.7060			
Sierra Leone	1998	I	3,2	4.8727	0.4232	0.4636	6.0519	0.4468	0.4130	7.1296	0.4468	0.1234
Sierra Leone	1999	I	3,2	4.9134	0.1639	0.1424	4.9195	0.8602	0.0745	5.7988	0.8602	0.7831
Sierra Leone	2000	I	3,2	5.1855	0.1660	0.1085	5.6435	0.7451	0.6355	6.5495	0.7451	0.2560
Sierra Leone	2001	I	3,2	5.3930	0.1700	0.0730	5.7605	0.6614	0.7064	6.8569	0.6614	0.2206
Sierra Leone	2002	I	2,2	5.9180	0.5631	0.7586	7.0876	0.6059	0.2414			
Sierra Leone	2003	O	2,2	6.0609	0.5721	0.8490	7.3614	0.5311	0.1510			
Sierra Leone	2004	I	3,2	6.1277	0.5652	0.8777	7.1897	0.2021	0.0669	7.9471	0.2021	0.0554
Sierra Leone	2005	I	2,2	6.1071	0.5475	0.8516	7.3379	0.5322	0.1484			
Sierra Leone	2006	I	3,2	5.9976	0.5406	0.8810	6.9883	0.1936	0.0638	7.7495	0.1936	0.0552
Sierra Leone	2007	I	2,2	5.9459	0.4116	0.4434	6.4097	0.7557	0.5566			
Sierra Leone	2008	I	3,2	5.9962	0.4113	0.4794	5.9977	0.7190	0.0905	6.5505	0.7190	0.4301
Sierra Leone	2009	I	2,2	6.0534	0.4004	0.4686	6.4740	0.7339	0.5314			
Sierra Leone	2010	I	2,2	6.0828	0.3981	0.4892	6.4821	0.7256	0.5108			
South Africa	1997	I	3,2	6.8702	0.6046	0.4584	7.7145	0.6645	0.3658	9.0617	0.6645	0.1759
South Africa	1998	I	3,2	6.8989	0.6287	0.5186	7.8162	0.6428	0.3097	9.0994	0.6428	0.1717
South Africa	1999	I	3,2	6.9331	0.6548	0.5663	7.9069	0.6237	0.2644	9.1362	0.6237	0.1692
South Africa	2000	I	3,2	7.0109	0.6859	0.6168	8.0470	0.6020	0.2184	9.2149	0.6020	0.1648
South Africa	2001	O	3,2	6.9774	0.6729	0.5708	7.9504	0.6696	0.2641	9.2526	0.6696	0.1651
South Africa	2002	I	3,2	6.9612	0.6689	0.5460	7.8664	0.7299	0.2899	9.2841	0.7299	0.1642
South Africa	2003	I	3,2	7.0136	0.6763	0.6167	8.0485	0.7591	0.2395	9.4156	0.7591	0.1438
South Africa	2004	I	3,2	7.0544	0.6746	0.6521	8.2008	0.7888	0.2188	9.5587	0.7888	0.1290

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
South Africa	2005	O	3,2	7.1138	0.6763	0.7199	8.6068	0.7230	0.1916	9.9568	0.7230	0.0885
South Africa	2006	I	3,2	7.0393	0.5448	0.2721	7.5935	0.8351	0.5543	9.5481	0.8351	0.1736
South Africa	2007	I	3,2	7.0417	0.4766	0.1746	7.6292	0.8027	0.6400	9.5827	0.8027	0.1854
South Africa	2008	O	3,2	7.0503	0.4243	0.1276	7.6691	0.7822	0.6720	9.5802	0.7822	0.2003
South Africa	2009	I	3,3	7.0168	0.4674	0.1633	7.6700	0.8235	0.6570	9.6217	0.7822	0.1797
South Africa	2010	O	3,3	6.9837	0.4566	0.1241	7.6105	0.8122	0.6705	9.5415	0.8498	0.2054
Swaziland	1997	I	3,2	6.9706	0.4517	0.1632	6.9716	0.9221	0.7660	8.6830	0.9221	0.0708
Swaziland	1998	I	3,2	7.0422	0.4755	0.1875	7.0424	0.8820	0.7274	8.6498	0.8820	0.0851
Swaziland	1999	I	3,1	5.8232	0.7054	0.0341	7.1397	0.7054	0.8678	8.8343	0.7054	0.0981
Swaziland	2000	O	3,1	5.8785	0.6799	0.0280	7.2276	0.6799	0.8658	8.8457	0.6799	0.1062
Swaziland	2001	I	3,1	5.7516	0.6931	0.0207	7.1780	0.6931	0.8692	8.7715	0.6931	0.1101
Swaziland	2002	I	3,1	5.4987	0.7067	0.0132	7.0762	0.7067	0.8721	8.6427	0.7067	0.1147
Swaziland	2003	I	2,2	6.9763	0.6215	0.4882	7.4829	1.0277	0.5118			
Swaziland	2004	I	2,2	7.1206	0.6287	0.4764	7.6561	1.0163	0.5236			
Swaziland	2005	I	2,2	7.1363	0.6350	0.4644	7.7052	1.0044	0.5356			
Swaziland	2006	I	2,2	7.2786	0.6400	0.4521	7.8857	0.9921	0.5479			
Swaziland	2007	I	2,2	7.2271	0.6429	0.4388	7.8769	0.9791	0.5612			
Swaziland	2008	I	2,2	7.3265	0.6443	0.4274	8.0246	0.9663	0.5726			
Swaziland	2009	O	3,2	7.1000	0.1456	0.0184	7.4843	0.7628	0.8056	8.8348	0.7628	0.1760
Swaziland	2010	E	3,2	7.1818	0.1500	0.0279	8.8038	0.7420	0.1669	7.5583	0.7420	0.8052
Tanzania	1997	I	3,2	5.7162	0.1986	0.0813	5.7968	0.6175	0.8935	6.7853	0.6175	0.0251
Tanzania	1998	I	3,2	4.8228	0.3026	0.0526	5.8374	0.4795	0.8241	6.7598	0.4795	0.1234
Tanzania	1999	I	3,2	5.6982	0.0391	0.0248	5.8928	0.5912	0.9349	6.8827	0.5912	0.0403
Tanzania	2000	O	3,2	5.0001	0.4035	0.0645	5.8862	0.4902	0.8218	6.8161	0.4902	0.1137
Tanzania	2001	I	3,2	5.7174	0.0411	0.0230	5.9268	0.5927	0.9351	6.9722	0.5927	0.0419
Tanzania	2002	I	3,2	4.8885	0.3040	0.0351	5.9482	0.5186	0.8691	6.9542	0.5186	0.0957
Tanzania	2003	I	2,2	5.9365	0.5130	0.5817	6.1762	0.7535	0.4183			
Tanzania	2004	I	2,2	5.9967	0.5195	0.6098	6.2435	0.7737	0.3902			
Tanzania	2005	I	2,2	6.1122	0.5254	0.6332	6.3654	0.7938	0.3668			
Tanzania	2006	I	2,2	6.1948	0.5308	0.6522	6.4538	0.8134	0.3478			
Tanzania	2007	O	2,2	6.2610	0.5345	0.6624	6.5184	0.8329	0.3376			
Tanzania	2008	I	3,2	6.1879	0.3691	0.1310	6.3951	0.6232	0.8345	7.7554	0.6232	0.0346
Tanzania	2009	I	2,2	6.3001	0.5209	0.7574	6.8735	0.7819	0.2426			
Tanzania	2010	I	2,2	6.3131	0.5036	0.7879	7.0424	0.7393	0.2121			
Uganda	1997	I	3,2	5.6715	0.3228	0.1185	6.0237	0.6055	0.8395	7.4861	0.6055	0.0420
Uganda	1998	I	3,2	5.7473	0.3203	0.0685	6.0256	0.6210	0.8817	7.5594	0.6210	0.0498
Uganda	1999	O	3,1	6.0220	0.6330	0.9586	7.9242	0.4162	0.0414			
Uganda	2000	I	2,2	5.9944	0.5942	0.7720	6.6192	0.9725	0.2280			
Uganda	2001	I	2,1	7.7620	0.6431	0.0635	6.0778	0.6431	0.9365			
Uganda	2002	I	2,2	6.0229	0.5640	0.7557	6.7530	0.9619	0.2443			
Uganda	2003	I	2,1	6.1299	0.6266	0.9297	7.7529	0.6266	0.0703			
Uganda	2004	I	2,1	7.6843	0.6317	0.0752	6.1719	0.6317	0.9248			
Uganda	2005	O	3,2	6.1695	0.5653	0.8449	7.1249	0.3353	0.1095	8.1406	0.3353	0.0456
Uganda	2006	I	3,2	6.3357	0.6037	0.9090	7.3623	0.2937	0.0467	8.2896	0.2937	0.0444
Uganda	2007	I	3,1	5.3415	0.5935	0.0110	6.3601	0.5935	0.8978	7.8293	0.5935	0.0912
Uganda	2008	I	2,2	6.3575	0.5146	0.6102	6.8477	0.9265	0.3898			
Uganda	2009	O	2,2	6.4147	0.5013	0.6302	6.8913	0.9560	0.3698			
Uganda	2010	E	3,1	4.9198	0.5536	0.0125	6.5190	0.5536	0.8903	7.9634	0.5536	0.0972
Zambia	1997	I	3,1	3.3659	0.8443	0.0089	6.0805	0.8443	0.9660	8.1489	0.8443	0.0251
Zambia	1998	I	3,1	3.1020	0.8732	0.0181	6.0610	0.8732	0.9585	8.2096	0.8732	0.0234
Zambia	1999	I	3,1	3.4796	0.7971	0.0103	6.0859	0.7971	0.9533	7.9929	0.7971	0.0364
Zambia	2000	I	2,2	6.1764	0.6897	0.7685	6.5497	1.1396	0.2315			
Zambia	2001	I	3,2	5.9819	0.2680	0.0408	6.3320	0.7051	0.9274	8.1559	0.7051	0.0319
Zambia	2002	O	3,2	6.0800	0.2797	0.0715	6.3858	0.6588	0.8982	8.1395	0.6588	0.0303
Zambia	2003	I	2,2	6.2199	0.7149	0.8182	6.6032	1.1226	0.1818			

Table S1-PWT7 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Zambia	2004	O	2,2	5.9159	1.4854	0.1418	6.2159	0.8462	0.8582			
Zambia	2005	I	2,2	6.0351	0.8002	0.5815	6.3631	1.1209	0.4185			
Zambia	2006	O	3,2	5.8208	0.7068	0.7237	7.0327	0.5228	0.2227	8.3211	0.5228	0.0536
Zambia	2007	I	3,2	5.8359	0.4399	0.1182	6.5568	0.8620	0.8089	8.1905	0.8620	0.0728
Zambia	2008	I	3,2	6.3066	0.7345	0.8100	7.5887	0.4655	0.1435	8.9344	0.4655	0.0466
Zambia	2009	I	3,2	5.9720	0.4885	0.1750	6.5768	0.8869	0.7747	8.4574	0.8869	0.0503
Zambia	2010	O	3,2	6.1426	0.5115	0.2300	6.7176	0.9154	0.7334	8.7540	0.9154	0.0366

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Angola	1997	E	3,2	4.7459	1.0072	0.6967	7.6227	0.6062	0.0330	5.9985	0.6062	0.2704
Angola	1998	E	3,2	5.4516	1.0613	0.7479	8.3033	0.5899	0.0278	6.6473	0.5899	0.2243
Angola	1999	E	3,2	5.1649	1.1329	0.8319	8.0317	0.5429	0.0163	6.2379	0.5429	0.1518
Angola	2000	O	3,2	5.2473	1.2057	0.9174	5.9529	0.2456	0.0546	6.5990	0.2456	0.0280
Angola	2001	I	3,2	5.5874	0.9969	0.7507	6.7503	0.5896	0.2215	8.3235	0.5896	0.0278
Angola	2002	I	3,2	5.4724	0.8817	0.6908	6.6452	0.5987	0.2776	8.1305	0.5987	0.0317
Angola	2003	I	3,2	5.6239	0.8062	0.6624	6.7584	0.5969	0.3064	8.2031	0.5969	0.0312
Angola	2004	I	3,2	5.6511	0.7573	0.6633	6.7282	0.5818	0.3059	8.1197	0.5818	0.0307
Angola	2005	I	3,2	5.5933	0.7245	0.6832	6.6108	0.5639	0.2875	7.9452	0.5639	0.0293
Angola	2006	I	3,2	5.6507	0.7080	0.7414	6.6144	0.5252	0.2297	7.8570	0.5252	0.0289
Angola	2007	I	3,2	6.1393	0.7336	0.9183	7.0888	0.2645	0.0530	8.1719	0.2645	0.0287
Angola	2008	O	3,2	5.8493	0.1004	0.0226	6.3707	0.7429	0.9534	7.7498	0.7429	0.0240
Angola	2009	E	3,3	6.5866	0.6730	0.7547	7.4508	0.0843	0.0173	7.2727	0.8393	0.2280
Angola	2010	E	3,3	6.7852	0.6576	0.7024	7.5842	0.0934	0.0236	7.2156	0.8879	0.2740
Burnika Faso	1997	I	3,1	5.4657	0.5425	0.8645	6.8101	0.5425	0.1295	8.8681	0.5425	0.0060
Burnika Faso	1998	O	3,2	5.4699	0.2561	0.1505	5.7057	0.6252	0.7908	7.5770	0.6252	0.0588
Burnika Faso	1999	I	3,2	5.6177	0.2618	0.1499	5.8518	0.6213	0.7925	7.6482	0.6213	0.0575
Burnika Faso	2000	I	3,2	5.6056	0.2667	0.1514	5.8394	0.6198	0.7919	7.5884	0.6198	0.0566
Burnika Faso	2001	I	3,2	5.6666	0.2852	0.1648	5.9045	0.6204	0.7819	7.5334	0.6204	0.0533
Burnika Faso	2002	I	3,2	5.7126	0.3064	0.1896	5.9607	0.6272	0.7618	7.4959	0.6272	0.0486
Burnika Faso	2003	O	3,2	5.8093	0.2128	0.0974	6.0215	0.5921	0.8415	7.4297	0.5921	0.0611
Burnika Faso	2004	I	3,2	5.8205	0.3460	0.2348	6.1040	0.6445	0.7296	7.5826	0.6445	0.0356
Burnika Faso	2005	I	3,2	5.8595	0.3546	0.2234	6.1524	0.6401	0.7417	7.6516	0.6401	0.0349
Burnika Faso	2006	I	3,2	5.8227	0.3629	0.2099	6.1278	0.6349	0.7555	7.6462	0.6349	0.0346
Burnika Faso	2007	I	3,2	5.7950	0.3716	0.1962	6.1172	0.6296	0.7697	7.6550	0.6296	0.0341
Burnika Faso	2008	I	3,2	5.8455	0.3801	0.1813	6.1917	0.6238	0.7849	7.7478	0.6238	0.0338
Burnika Faso	2009	O	3,2	5.8234	0.3919	0.1798	6.1977	0.6231	0.7889	7.7873	0.6231	0.0313
Burnika Faso	2010	E	3,3	6.5692	0.8276	0.3153	6.8017	0.2132	0.0627	6.0861	0.4572	0.6220
Burundi	1997	I	3,1	4.4456	0.5755	0.0896	5.7262	0.5755	0.8703	7.2220	0.5755	0.0401
Burundi	1998	O	3,2	4.1643	0.6542	0.0888	5.6402	0.6175	0.8999	7.9478	0.6175	0.0112
Burundi	1999	I	3,2	4.0503	0.4071	0.0499	5.5715	0.6187	0.9341	7.6164	0.6187	0.0160
Burundi	2000	I	3,2	4.1644	0.2567	0.0296	5.5701	0.6087	0.9469	7.3712	0.6087	0.0235
Burundi	2001	I	3,1	5.1780	0.5700	0.3116	5.6298	0.5700	0.6577	7.1694	0.5700	0.0307
Burundi	2002	I	3,2	5.4354	0.5228	0.8737	6.2410	0.2735	0.0842	7.2216	0.2735	0.0421
Burundi	2003	I	3,1	5.1984	0.4051	0.5966	5.8947	0.4051	0.3568	7.0156	0.4051	0.0466
Burundi	2004	I	3,2	5.1161	0.3282	0.4319	5.7378	0.4263	0.5106	6.8742	0.4263	0.0575
Burundi	2005	I	3,2	5.1573	0.2822	0.4309	5.7608	0.3980	0.5026	6.8369	0.3980	0.0665
Burundi	2006	O	3,2	5.2332	0.2481	0.4050	5.7863	0.4059	0.5256	6.8224	0.4059	0.0695
Burundi	2007	E	2,2	6.0098	0.5737	0.4436	5.3462	0.2995	0.5564			
Burundi	2008	E	3,2	6.5257	0.5602	0.1646	5.9887	0.2634	0.2553	5.3609	0.2634	0.5801
Burundi	2009	E	3,2	6.4786	0.5813	0.1730	5.9581	0.2579	0.2486	5.3335	0.2579	0.5784
Burundi	2010	E	3,2	6.6465	0.4794	0.1270	5.9843	0.2548	0.2830	5.3650	0.2548	0.5900
Cameroon	1997	I	3,2	6.9009	0.5412	0.8822	7.8639	0.1959	0.0689	8.7824	0.1959	0.0489
Cameroon	1998	I	2,2	6.8693	0.5508	0.8044	7.7009	0.7709	0.1956			
Cameroon	1999	I	2,2	6.8650	0.5645	0.8292	7.7078	0.7913	0.1708			
Cameroon	2000	I	2,1	6.9062	0.6056	0.9493	8.4356	0.6056	0.0507			
Cameroon	2001	O	2,2	6.8310	0.5763	0.8632	7.7006	0.8219	0.1368			
Cameroon	2002	I	2,1	8.2846	0.6125	0.0647	6.8312	0.6125	0.9353			
Cameroon	2003	I	2,1	8.1937	0.5975	0.0807	6.8287	0.5975	0.9193			
Cameroon	2004	I	2,1	8.0861	0.5819	0.0989	6.7934	0.5819	0.9011			
Cameroon	2005	I	2,1	7.9897	0.5660	0.1189	6.7551	0.5660	0.8811			
Cameroon	2006	I	2,1	7.9467	0.5499	0.1400	6.7579	0.5499	0.8600			
Cameroon	2007	O	3,2	6.2429	0.2856	0.2123	7.0132	0.5138	0.7122	8.1471	0.5138	0.0755
Cameroon	2008	E	3,2	6.2875	0.2996	0.2208	8.5381	0.5474	0.0283	7.0709	0.5474	0.7509
Cameroon	2009	E	3,2	6.2960	0.2898	0.2174	8.5216	0.5438	0.0330	7.0733	0.5438	0.7497

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Cameroon	2010	E	2,1	8.0076	0.5153	0.1479	6.8513	0.5153	0.8521			
Central African Republic	1997	I	3,2	5.4572	0.8121	0.8290	6.5477	0.3101	0.1011	7.7046	0.3101	0.0699
Central African Republic	1998	I	3,2	5.5480	0.7780	0.8258	6.5776	0.2964	0.1005	7.6999	0.2964	0.0737
Central African Republic	1999	I	3,2	5.5305	0.7498	0.8260	6.4983	0.2790	0.0974	7.5890	0.2790	0.0766
Central African Republic	2000	I	3,2	5.6105	0.7269	0.8307	6.5136	0.2540	0.0906	7.5760	0.2540	0.0787
Central African Republic	2001	I	3,2	5.6868	0.7061	0.8337	6.5333	0.2424	0.0874	7.5676	0.2424	0.0789
Central African Republic	2002	I	3,2	5.7122	0.6941	0.8523	6.4851	0.1907	0.0702	7.4995	0.1907	0.0776
Central African Republic	2003	O	3,2	5.3011	0.5584	0.4364	6.1556	0.5423	0.4914	7.2166	0.5423	0.0722
Central African Republic	2004	I	3,2	4.8313	0.2249	0.0254	5.8409	0.7412	0.9264	7.3281	0.7412	0.0482
Central African Republic	2005	I	3,2	4.7579	0.2135	0.0217	5.8205	0.7705	0.9420	7.6301	0.7705	0.0362
Central African Republic	2006	I	3,2	4.6659	0.2088	0.0181	5.7768	0.8007	0.9507	7.8383	0.8007	0.0313
Central African Republic	2007	I	3,2	4.5821	0.2047	0.0139	5.7420	0.8351	0.9582	8.0265	0.8351	0.0278
Central African Republic	2008	O	3,2	4.3996	0.5002	0.0580	5.7872	0.8000	0.9010	8.0063	0.8000	0.0410
Central African Republic	2009	E	2,2	5.6502	0.8692	0.9295	6.9368	1.3174	0.0705			
Central African Republic	2010	E	2,2	5.7373	0.7706	0.8597	6.2770	1.3980	0.1403			
Ethiopia	1997	I	2,2	5.7595	0.4680	0.9036	6.5754	0.8708	0.0964			
Ethiopia	1998	I	2,2	5.6459	0.4400	0.8778	6.2434	0.8376	0.1222			
Ethiopia	1999	O	2,2	5.6596	0.4117	0.8407	6.0778	0.7728	0.1593			
Ethiopia	2000	I	2,2	5.5603	0.4153	0.8631	6.0505	0.7690	0.1369			
Ethiopia	2001	I	2,2	5.5723	0.4185	0.8846	6.1551	0.7587	0.1154			
Ethiopia	2002	I	2,2	5.5581	0.4235	0.9210	6.3943	0.6937	0.0790			
Ethiopia	2003	I	3,2	5.0846	0.1190	0.0309	5.4842	0.4322	0.9345	6.8920	0.4322	0.0346
Ethiopia	2004	I	3,2	5.2714	0.3517	0.5861	5.7737	0.3142	0.3713	6.8888	0.3142	0.0426
Ethiopia	2005	O	3,2	5.4353	0.3314	0.5225	5.9552	0.3093	0.4333	7.0886	0.3093	0.0442
Ethiopia	2006	I	2,2	5.7730	0.4339	0.9386	6.8150	0.6409	0.0614			
Ethiopia	2007	I	2,2	5.8726	0.4427	0.8901	6.4960	0.7873	0.1099			
Ethiopia	2008	I	3,1	5.4673	0.4410	0.0801	6.0242	0.4410	0.8739	7.3512	0.4410	0.0460
Ethiopia	2009	I	3,1	5.4834	0.4378	0.0870	6.1690	0.4378	0.8610	7.4610	0.4378	0.0519
Ethiopia	2010	O	3,1	5.4142	0.4424	0.0749	6.2554	0.4424	0.8689	7.5364	0.4424	0.0561
Gambia	1997	E	2,2	6.89302	0.32891	0.05709	6.10104	1.17000	0.94291			
Gambia	1998	O	3,2	6.06747	0.736221	0.791442	7.28688	0.493917	0.169577	8.274396	0.493917	0.038981
Gambia	1999	I	3,2	6.071525	0.731001	0.807199	7.287708	0.501178	0.16302	8.352536	0.501178	0.029781
Gambia	2000	I	3,2	6.165893	0.72722	0.825738	7.377557	0.505985	0.151594	8.526268	0.505985	0.022668
Gambia	2001	I	3,2	5.67604	0.362967	0.094293	6.264803	0.842313	0.885113	7.912473	0.842313	0.020594
Gambia	2002	I	3,2	5.716297	0.325589	0.087555	6.270494	0.831272	0.90092	8.302965	0.831272	0.011525
Gambia	2003	O	3,2	5.634064	0.098693	0.029534	6.097475	0.776986	0.931372	7.715822	0.776986	0.039094
Gambia	2004	E	2,2	6.21855	0.67404	0.65884	6.57249	1.03509	0.34116			
Gambia	2005	E	2,2	6.20748	0.70346	0.72050	6.65325	1.06610	0.27950			
Gambia	2006	E	2,2	6.20983	0.70596	0.73001	6.65424	1.08792	0.26999			
Gambia	2007	E	2,2	6.22017	0.70975	0.74067	6.66690	1.10943	0.25933			
Gambia	2008	E	2,2	6.22822	0.70506	0.73499	6.70176	1.11830	0.26501			
Gambia	2009	E	3,3	5.8319	0.3305	0.1074	6.3998	0.7950	0.8145	6.7458	1.4435	0.0782
Gambia	2010	E	3,3	5.9292	0.4211	0.3570	6.7814	0.5055	0.3551	6.5709	1.1523	0.2879
Ghana	1997	I	3,2	6.6785	0.6732	0.8893	7.5116	0.2780	0.0779	8.3808	0.2780	0.0329
Ghana	1998	O	3,2	6.6619	0.6855	0.8812	7.5172	0.2746	0.0858	8.3663	0.2746	0.0329
Ghana	1999	I	3,2	6.8889	0.7077	0.9156	7.7049	0.2629	0.0588	8.6221	0.2629	0.0256
Ghana	2000	I	3,2	6.7463	0.7450	0.9782	7.3743	0.1106	0.0134	8.6570	0.1106	0.0084
Ghana	2001	I	3,1	6.1337	0.6863	0.1954	6.7733	0.6863	0.7740	7.9283	0.6863	0.0306
Ghana	2002	I	3,1	6.0752	0.6595	0.1436	6.8882	0.6595	0.8072	8.0389	0.6595	0.0492
Ghana	2003	I	3,1	5.9909	0.6434	0.1258	6.9115	0.6434	0.8177	8.1069	0.6434	0.0564
Ghana	2004	I	3,1	5.9677	0.6307	0.1162	6.9719	0.6307	0.8230	8.2119	0.6307	0.0607
Ghana	2005	O	3,1	5.9422	0.6305	0.1021	7.0294	0.6305	0.8402	8.3355	0.6305	0.0577
Ghana	2006	E	3,1	5.9031	0.6360	0.0991	6.9934	0.6360	0.8427	8.3455	0.6360	0.0582
Ghana	2007	E	3,1	5.8704	0.6495	0.0880	6.9839	0.6495	0.8567	8.3977	0.6495	0.0553
Ghana	2008	E	3,1	5.9233	0.6621	0.0770	7.0593	0.6621	0.8691	8.5379	0.6621	0.0538

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Ghana	2009	E	3,1	5.8864	0.6731	0.0653	7.0511	0.6731	0.8809	8.5730	0.6731	0.0538
Ghana	2010	E	3,1	5.7376	0.6536	0.0316	7.2055	0.6536	0.9229	8.6211	0.6536	0.0455
Guinea	1997	I	3,1	6.4535	0.5499	0.6308	7.3752	0.5499	0.3462	8.6399	0.5499	0.0230
Guinea	1998	I	3,1	6.4612	0.5636	0.6730	7.3625	0.5636	0.3119	8.7714	0.5636	0.0151
Guinea	1999	I	3,2	6.5517	0.6325	0.9245	7.5263	0.0634	0.0331	8.4709	0.0634	0.0424
Guinea	2000	I	2,2	6.4512	0.6222	0.8413	7.2395	0.8395	0.1587			
Guinea	2001	I	2,2	6.4014	0.6174	0.8603	7.1472	0.8862	0.1397			
Guinea	2002	I	2,2	6.3168	0.5975	0.8340	6.8602	0.9541	0.1660			
Guinea	2003	O	2,2	6.1754	0.5801	0.8332	6.6515	0.9864	0.1668			
Guinea	2004	I	2,2	6.0911	0.5684	0.7473	6.4579	0.9224	0.2527			
Guinea	2005	I	2,2	5.8405	0.5386	0.5924	6.1441	0.8480	0.4076			
Guinea	2006	I	2,2	5.8753	0.4362	0.3072	6.1675	0.7740	0.6928			
Guinea	2007	O	2,2	5.8224	0.2797	0.1368	6.1421	0.7377	0.8632			
Guinea	2008	E	3,2	6.2094	0.7519	0.8096	5.8775	0.2697	0.1678	5.2636	0.2697	0.0226
Guinea	2009	E	3,3	5.7365	0.2008	0.0797	5.8795	0.5878	0.4196	6.2102	0.8081	0.5006
Guinea	2010	E	3,3	5.9796	0.4911	0.2338	6.1959	0.7461	0.6917	5.8160	0.1854	0.0745
Guinea Bissau	1997	I	3,2	6.3542	0.5912	0.8810	7.0994	0.3013	0.0792	8.4123	0.3013	0.0398
Guinea Bissau	1998	I	3,2	6.2396	0.6089	0.9517	6.9369	0.1027	0.0164	8.2768	0.1027	0.0319
Guinea Bissau	1999	I	2,2	6.2372	0.5696	0.8432	6.7255	0.9841	0.1568			
Guinea Bissau	2000	I	2,2	6.2215	0.5480	0.7991	6.6023	0.9290	0.2009			
Guinea Bissau	2001	I	2,2	6.3337	0.5240	0.7353	6.6295	0.8629	0.2647			
Guinea Bissau	2002	O	2,2	6.3453	0.5000	0.6701	6.5596	0.8089	0.3299			
Guinea Bissau	2003	E	3,2	6.3435	0.8120	0.3956	6.5346	0.3640	0.2464	5.9212	0.3640	0.3580
Guinea Bissau	2004	E	3,2	6.4673	0.8300	0.3856	6.6693	0.3556	0.2562	6.0480	0.3556	0.3582
Guinea Bissau	2005	E	3,2	6.4671	0.8546	0.3633	6.6571	0.3654	0.2642	6.0300	0.3654	0.3725
Guinea Bissau	2006	E	3,3	6.4880	0.8366	0.4051	6.9546	0.1023	0.0369	6.2183	0.4465	0.5580
Guinea Bissau	2007	E	3,3	6.5003	0.8516	0.3983	6.9671	0.1082	0.0382	6.2284	0.4487	0.5634
Guinea Bissau	2008	E	3,3	6.2867	0.4455	0.5836	7.0379	0.1159	0.0393	6.6055	0.8605	0.3772
Guinea Bissau	2009	E	3,3	6.2572	0.4413	0.5993	7.0172	0.1224	0.0402	6.6185	0.8649	0.3605
Guinea Bissau	2010	E	2,1	7.7693	0.5537	0.0529	6.3614	0.5537	0.9471			
Kenya	1997	O	3,2	6.0093	0.2837	0.1522	6.8883	0.5477	0.7840	8.3353	0.5477	0.0638
Kenya	1998	I	3,2	5.9632	0.3137	0.1431	6.8385	0.5682	0.7955	8.3190	0.5682	0.0615
Kenya	1999	I	3,2	5.9298	0.3570	0.1398	6.7866	0.5899	0.8020	8.3019	0.5899	0.0583
Kenya	2000	I	3,2	5.8803	0.4213	0.1489	6.6927	0.6120	0.7968	8.2420	0.6120	0.0543
Kenya	2001	I	3,1	6.1708	0.5657	0.5108	6.9131	0.5657	0.4442	8.3446	0.5657	0.0450
Kenya	2002	I	2,2	6.4179	0.6695	0.8326	7.1894	0.9728	0.1674			
Kenya	2003	I	2,2	6.3957	0.6488	0.7293	6.8349	1.0468	0.2707			
Kenya	2004	I	2,2	6.4672	0.5764	0.7302	6.5572	1.1704	0.2698			
Kenya	2005	O	3,2	6.2817	1.5518	0.0853	6.2846	0.6351	0.7809	7.3702	0.6351	0.1339
Kenya	2006	E	3,2	6.1212	0.4786	0.4097	6.5768	1.1320	0.3723	6.9148	0.4786	0.2180
Kenya	2007	E	3,2	6.1611	0.4849	0.4250	6.6271	1.1573	0.3575	6.9735	0.4849	0.2175
Kenya	2008	E	3,2	6.1070	0.4935	0.4455	6.5859	1.1850	0.3406	6.9404	0.4935	0.2139
Kenya	2009	E	3,2	6.1407	0.4865	0.4455	6.6439	1.1903	0.3399	6.9795	0.4865	0.2146
Kenya	2010	E	3,2	6.1979	0.4175	0.3956	6.7049	1.1244	0.3630	6.9926	0.4175	0.2414
Lesotho	1997	I	3,1	4.7432	0.9047	0.1766	6.0666	0.9047	0.5797	7.2234	0.9047	0.2436
Lesotho	1998	I	3,1	4.8206	0.9032	0.1573	6.1806	0.9032	0.6284	7.2863	0.9032	0.2143
Lesotho	1999	I	3,1	4.8893	0.8956	0.1441	6.3058	0.8956	0.6840	7.3883	0.8956	0.1719
Lesotho	2000	I	3,1	5.0039	0.8803	0.1354	6.4799	0.8803	0.7361	7.5826	0.8803	0.1285
Lesotho	2001	I	3,1	4.9409	0.8595	0.1297	6.4674	0.8595	0.7760	7.6222	0.8595	0.0943
Lesotho	2002	O	3,2	6.0075	1.1024	0.5376	6.6225	0.6996	0.4081	7.9043	0.6996	0.0543
Lesotho	2003	I	3,2	3.7939	0.4589	0.0128	6.3924	1.0451	0.9054	6.7354	0.4589	0.0818
Lesotho	2004	I	3,2	3.8211	0.4445	0.0119	6.4810	1.0465	0.9155	6.8217	0.4445	0.0726
Lesotho	2005	I	3,2	5.3744	1.0178	0.0995	6.7487	0.6145	0.1263	6.7490	1.0178	0.7742
Lesotho	2006	I	3,2	5.2214	1.0230	0.0804	6.6759	0.6165	0.1108	6.6763	1.0230	0.8088
Lesotho	2007	I	3,2	5.2125	1.0279	0.0602	6.7955	0.6076	0.0899	6.7958	1.0279	0.8499

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Lesotho	2008	I	3,2	5.1028	1.0325	0.0416	6.8842	0.5807	0.0654	6.8845	1.0325	0.8930
Lesotho	2009	I	3,2	4.7424	1.0364	0.0267	6.8219	0.5077	0.0391	6.8221	1.0364	0.9342
Lesotho	2010	O	3,2	4.8328	1.0454	0.0254	6.9114	0.5779	0.0499	6.9117	1.0454	0.9248
Madagascar	1997	O	2,2	6.2777	0.6241	0.7919	6.3444	0.9748	0.2081			
Madagascar	1998	I	2,2	6.1328	0.5560	0.4371	6.3823	0.8173	0.5629			
Madagascar	1999	O	2,2	6.1195	0.6363	0.8795	7.2970	0.5987	0.1205			
Madagascar	2000	I	3,1	6.0041	0.6225	0.7916	7.1221	0.6225	0.1981	7.8952	0.6225	0.0103
Madagascar	2001	O	3,1	5.8665	0.6082	0.7222	6.9584	0.6082	0.2345	7.7515	0.6082	0.0433
Madagascar	2002	I	3,1	5.8698	0.5966	0.7746	6.9769	0.5966	0.2134	8.5675	0.5966	0.0120
Madagascar	2003	I	3,1	5.9748	0.5829	0.8416	7.1137	0.5829	0.1555	10.0707	0.5829	0.0028
Madagascar	2004	I	2,2	6.0035	0.5762	0.9025	7.0667	1.1546	0.0975			
Madagascar	2005	O	2,2	6.0147	0.5250	0.9170	6.9464	1.3712	0.0830			
Madagascar	2006	I	2,2	6.0199	0.5538	0.9034	6.8644	1.2981	0.0966			
Madagascar	2007	I	2,2	6.0168	0.5787	0.8815	6.7222	1.2382	0.1185			
Madagascar	2008	I	2,2	6.0945	0.5986	0.8433	6.6490	1.1656	0.1567			
Madagascar	2009	I	2,2	6.0706	0.6078	0.7642	6.4723	1.0714	0.2358			
Madagascar	2010	O	2,2	6.0695	0.5843	0.5638	6.3471	0.9516	0.4362			
Malawi	1997	O	2,2	5.8966	0.6100	0.7654	6.4931	1.1761	0.2346			
Malawi	1998	I	2,2	5.7503	0.6026	0.7894	6.4289	1.1202	0.2106			
Malawi	1999	I	2,2	5.7370	0.5958	0.8169	6.5229	1.0546	0.1831			
Malawi	2000	I	2,2	5.6622	0.5890	0.8529	6.6232	0.9636	0.1471			
Malawi	2001	I	3,1	5.4784	0.5471	0.8007	6.3003	0.5471	0.1702	7.6930	0.5471	0.0291
Malawi	2002	I	3,1	5.5451	0.5070	0.7044	6.2713	0.5070	0.2606	7.6734	0.5070	0.0350
Malawi	2003	I	3,1	5.4813	0.4761	0.6550	6.1918	0.4761	0.3079	7.5431	0.4761	0.0371
Malawi	2004	O	3,1	5.4560	0.4576	0.6446	6.1622	0.4576	0.3193	7.4471	0.4576	0.0361
Malawi	2005	I	3,1	5.4198	0.4718	0.6375	6.1390	0.4718	0.3267	7.4416	0.4718	0.0358
Malawi	2006	I	3,1	5.4748	0.4952	0.6527	6.2085	0.4952	0.3144	7.5357	0.4952	0.0329
Malawi	2007	I	3,1	5.5368	0.5216	0.6741	6.2856	0.5216	0.2965	7.6385	0.5216	0.0294
Malawi	2008	I	3,1	5.4617	0.5534	0.7136	6.2370	0.5534	0.2623	7.6230	0.5534	0.0242
Malawi	2009	I	3,1	5.4767	0.5926	0.7868	6.3354	0.5926	0.1985	7.8107	0.5926	0.0147
Malawi	2010	O	3,1	5.5853	0.6328	0.8599	6.6260	0.6328	0.1372	8.8363	0.6328	0.0029
Mali	1997	I	3,2	5.5708	0.3894	0.2147	6.1222	0.8134	0.7850	11.0901	0.8134	0.0003
Mali	1998	I	3,2	5.6183	0.3910	0.2103	6.1579	0.7946	0.7895	11.3610	0.7946	0.0002
Mali	1999	I	2,2	5.7586	0.4432	0.2784	6.2749	0.8007	0.7216			
Mali	2000	I	2,2	5.8387	0.5841	0.7211	6.7812	0.6357	0.2789			
Mali	2001	O	3,2	5.9946	0.6020	0.8604	7.0032	0.2835	0.1146	7.9477	0.2835	0.0249
Mali	2002	I	3,2	5.9891	0.6027	0.8757	6.9642	0.2600	0.0922	7.8297	0.2600	0.0321
Mali	2003	I	3,2	5.9170	0.6027	0.8897	6.8652	0.2415	0.0740	7.6987	0.2415	0.0363
Mali	2004	I	3,2	6.0285	0.6022	0.9029	6.9554	0.2266	0.0584	7.7739	0.2266	0.0387
Mali	2005	I	3,2	4.8930	0.1982	0.0384	5.9716	0.5464	0.8344	7.0618	0.5464	0.1272
Mali	2006	O	3,2	5.9548	0.1246	0.0480	5.9553	0.6174	0.8292	6.9559	0.6174	0.1228
Mali	2007	I	3,2	5.0088	0.2157	0.0407	6.0065	0.5166	0.8317	7.0632	0.5166	0.1275
Mali	2008	I	3,1	5.7680	0.5037	0.3690	6.1791	0.5037	0.5215	7.0691	0.5037	0.1095
Mali	2009	I	2,2	6.0905	0.5607	0.9682	7.5499	0.1244	0.0318			
Mali	2010	O	2,2	5.7772	0.3150	0.2102	6.2057	0.6025	0.7898			
Mauritania	1997	I	2,2	6.5814	0.4633	0.2109	6.6813	0.7412	0.7891			
Mauritania	1998	I	3,2	6.6110	0.6671	0.9673	7.0492	0.0971	0.0125	8.2202	0.0971	0.0202
Mauritania	1999	I	3,2	6.3757	0.5820	0.6839	7.0041	0.4052	0.2332	7.8635	0.4052	0.0829
Mauritania	2000	O	3,2	6.0241	0.4763	0.3674	6.7840	0.4539	0.5193	7.7037	0.4539	0.1133
Mauritania	2001	I	3,1	6.0318	0.4839	0.3664	6.7701	0.4839	0.5506	7.8087	0.4839	0.0830
Mauritania	2002	I	3,1	6.1055	0.5084	0.4006	6.7807	0.5084	0.5354	7.9442	0.5084	0.0640
Mauritania	2003	I	3,2	6.4361	0.5979	0.9117	7.2437	0.3179	0.0475	8.2775	0.3179	0.0409
Mauritania	2004	O	3,2	6.4075	0.5939	0.9330	7.2510	0.2024	0.0256	8.3357	0.2024	0.0414
Mauritania	2005	I	2,2	6.4302	0.6197	0.9603	8.1814	0.4699	0.0397			
Mauritania	2006	I	3,2	6.1948	0.0002	0.0059	6.6015	0.6300	0.9455	8.0901	0.6300	0.0486

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Mauritania	2007	I	3,2	6.6254	0.6590	0.9528	6.7555	0.1335	0.0210	8.5463	0.1335	0.0262
Mauritania	2008	O	3,2	6.6138	0.6770	0.9462	6.7662	0.1506	0.0316	8.5269	0.1506	0.0222
Mauritania	2009	E	3,3	6.4887	0.5656	0.4485	7.3805	0.3516	0.0760	6.9646	0.8694	0.4755
Mauritania	2010	E	2,1	6.9502	0.6836	0.9217	7.9757	0.6836	0.0783			
Mozambique	1997	I	3,2	5.2966	0.2025	0.0513	5.5049	0.6765	0.9073	7.3160	0.6765	0.0413
Mozambique	1998	I	3,2	5.4024	0.3495	0.1298	5.5350	0.7030	0.8326	7.3860	0.7030	0.0376
Mozambique	1999	I	2,2	5.4869	0.5813	0.7609	5.9960	1.0756	0.2391			
Mozambique	2000	I	3,2	5.3818	0.3666	0.1625	5.5040	0.7119	0.8003	7.4269	0.7119	0.0372
Mozambique	2001	I	3,2	5.3401	0.3667	0.1715	5.4600	0.7143	0.7912	7.4175	0.7143	0.0373
Mozambique	2002	O	3,2	5.5728	0.3821	0.1919	5.6910	0.7172	0.7702	7.6745	0.7172	0.0379
Mozambique	2003	I	2,2	5.6446	0.5831	0.7681	6.1169	1.1373	0.2319			
Mozambique	2004	I	2,2	5.7132	0.5920	0.7706	6.1143	1.1593	0.2294			
Mozambique	2005	I	2,2	5.8086	0.6023	0.7785	6.1403	1.1868	0.2215			
Mozambique	2006	I	3,1	0.3571	0.6663	0.0062	5.8551	0.6663	0.9579	7.8299	0.6663	0.0359
Mozambique	2007	O	3,1	0.0736	0.6741	0.0072	5.9045	0.6741	0.9610	7.8972	0.6741	0.0319
Mozambique	2008	E	3,2	5.6443	0.4820	0.3980	6.1683	1.2252	0.2462	6.3485	0.4820	0.3558
Mozambique	2009	E	3,2	5.6721	0.4864	0.4187	6.1993	1.2411	0.2422	6.3818	0.4864	0.3391
Mozambique	2010	E	3,2	5.7268	0.4043	0.3633	6.2461	1.1552	0.2706	6.4454	0.4043	0.3662
Namibia	1997	I	3,2	6.1058	0.4957	0.2160	6.6899	0.9309	0.6514	8.8926	0.9309	0.1326
Namibia	1998	I	3,2	6.1716	0.4763	0.2254	6.7392	0.9216	0.6478	8.9031	0.9216	0.1268
Namibia	1999	I	3,2	6.2237	0.4606	0.2353	6.7800	0.9144	0.6441	8.9059	0.9144	0.1206
Namibia	2000	I	3,2	6.3594	0.4482	0.2466	6.9095	0.9099	0.6398	8.9979	0.9099	0.1136
Namibia	2001	I	3,2	6.4938	0.4368	0.2565	7.0411	0.9063	0.6374	9.0972	0.9063	0.1061
Namibia	2002	I	3,2	6.5057	0.4295	0.2711	7.0596	0.9086	0.6328	9.0843	0.9086	0.0962
Namibia	2003	O	3,2	6.6274	0.4227	0.2857	7.1974	0.9169	0.6318	9.2091	0.9169	0.0825
Namibia	2004	I	3,2	6.6298	0.4027	0.2281	7.1564	0.8532	0.6715	9.1975	0.8532	0.1004
Namibia	2005	I	3,3	6.6119	0.4247	0.2584	7.2185	0.8788	0.6652	9.3909	0.7720	0.0764
Namibia	2006	I	3,3	6.6725	0.4314	0.2640	7.3146	0.8792	0.6662	9.5146	0.7449	0.0698
Namibia	2007	I	3,3	6.7292	0.4353	0.2659	7.3998	0.8755	0.6684	9.6095	0.7276	0.0657
Namibia	2008	I	3,3	6.8101	0.4417	0.2747	7.5207	0.8779	0.6678	9.7910	0.6784	0.0575
Namibia	2009	O	3,2	6.8463	0.4377	0.2510	7.5230	0.8371	0.6649	9.4754	0.8371	0.0841
Namibia	2010	E	3,3	6.9612	0.5068	0.5214	8.0187	0.3790	0.1181	8.1115	1.2024	0.3605
Niger	1997	I	3,2	5.4772	0.6217	0.9256	6.4471	0.1185	0.0332	7.4272	0.1185	0.0412
Niger	1998	I	2,2	5.5401	0.5943	0.7521	6.0404	0.9334	0.2479			
Niger	1999	I	2,2	5.5369	0.5922	0.7578	6.0312	0.9521	0.2422			
Niger	2000	I	2,2	5.4822	0.5902	0.7633	5.9719	0.9703	0.2367			
Niger	2001	I	2,2	5.5211	0.5881	0.7683	6.0070	0.9881	0.2317			
Niger	2002	I	2,2	5.5306	0.5873	0.7740	6.0175	1.0049	0.2260			
Niger	2003	I	2,2	5.5464	0.5876	0.7802	6.0370	1.0216	0.2198			
Niger	2004	I	2,2	5.5345	0.5890	0.7876	6.0299	1.0396	0.2124			
Niger	2005	O	2,2	5.5232	0.5802	0.7857	6.0225	1.0428	0.2143			
Niger	2006	I	2,2	5.5646	0.5337	0.8494	6.4105	0.8044	0.1506			
Niger	2007	O	2,2	5.6156	0.4500	0.7881	6.3424	0.6540	0.2119			
Niger	2008	I	3,1	5.4697	0.3884	0.5779	6.0586	0.3884	0.3656	7.0742	0.3884	0.0565
Niger	2009	I	3,2	5.5505	0.4006	0.7724	6.2179	0.2803	0.1536	6.9377	0.4006	0.0740
Niger	2010	I	3,2	5.5982	0.4299	0.8454	6.0379	0.0005	0.0437	6.6918	0.4299	0.1110
Niger	2011	O	3,2	5.4152	0.0688	0.0241	5.6874	0.4379	0.9005	6.8130	0.4379	0.0755
Nigeria	1997	I	3,1	3.7720	0.6560	0.0674	4.8095	0.6560	0.8796	6.4628	0.6560	0.0530
Nigeria	1998	I	3,1	3.9084	0.6575	0.0767	4.9238	0.6575	0.8709	6.5177	0.6575	0.0524
Nigeria	1999	I	3,1	3.6689	0.6591	0.0858	4.6680	0.6591	0.8622	6.1973	0.6591	0.0520
Nigeria	2000	I	3,1	3.8254	0.6606	0.0947	4.8127	0.6606	0.8533	6.2699	0.6606	0.0520
Nigeria	2001	I	3,1	4.6363	0.6620	0.1032	5.6157	0.6620	0.8442	6.9904	0.6620	0.0527
Nigeria	2002	I	3,1	4.7746	0.6628	0.1111	5.7494	0.6628	0.8338	7.0256	0.6628	0.0551
Nigeria	2003	O	3,2	4.5683	0.4256	0.0267	6.1127	0.7103	0.9253	7.3119	0.7103	0.0480
Nigeria	2004	I	2,2	6.2905	0.6728	0.5676	6.3610	0.9532	0.4324			

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Nigeria	2005	I	2,2	6.6005	0.6996	0.6529	6.7391	0.9997	0.3471			
Nigeria	2006	I	2,2	6.2686	0.7110	0.6749	6.4729	1.0237	0.3251			
Nigeria	2007	I	2,2	6.7491	0.7182	0.6797	7.0162	1.0388	0.3203			
Nigeria	2008	I	2,2	6.4667	0.7235	0.6778	6.7942	1.0494	0.3222			
Nigeria	2009	O	2,2	6.7175	0.7216	0.6552	7.0985	1.0521	0.3448			
Nigeria	2010	I	2,2	6.7162	0.6415	0.5948	6.9099	0.9718	0.4052			
Rawanda	1997	E	2,2	5.6753	0.6105	0.8101	6.5736	1.1074	0.1899			
Rawanda	1998	E	2,2	5.6154	0.6114	0.8008	6.4658	1.1236	0.1992			
Rawanda	1999	E	2,2	5.5452	0.6090	0.7888	6.3406	1.1408	0.2112			
Rawanda	2000	O	2,2	5.5232	0.6063	0.7771	6.2711	1.1543	0.2229			
Rawanda	2001	I	3,2	5.4528	0.5386	0.5324	5.8038	0.8879	0.4402	7.8057	0.8879	0.0274
Rawanda	2002	I	3,2	5.4806	0.5059	0.4196	5.7570	0.8266	0.5425	7.7822	0.8266	0.0378
Rawanda	2003	I	3,2	5.3924	0.4851	0.2755	5.5940	0.7685	0.6802	7.6511	0.7685	0.0443
Rawanda	2004	I	3,2	5.3843	0.4287	0.2473	5.6114	0.7633	0.7049	7.7054	0.7633	0.0478
Rawanda	2005	O	3,2	5.4522	0.3893	0.1972	5.6715	0.7477	0.7520	7.7865	0.7477	0.0508
Rawanda	2006	I	3,2	5.5437	0.4213	0.2418	5.8035	0.7425	0.7070	7.8739	0.7425	0.0511
Rawanda	2007	I	3,2	5.5828	0.4541	0.3149	5.8908	0.7443	0.6348	7.9047	0.7443	0.0503
Rawanda	2008	I	3,2	5.5895	0.4671	0.3626	5.9440	0.7357	0.5871	7.9078	0.7357	0.0503
Rawanda	2009	I	3,2	5.6864	0.4676	0.3832	6.0833	0.7166	0.5654	8.0084	0.7166	0.0514
Rawanda	2010	O	3,2	5.7184	0.4623	0.3925	6.1566	0.6929	0.5547	8.0489	0.6929	0.0528
Senegal	1997	I	3,2	6.4090	0.0188	0.0213	6.7861	0.5708	0.8967	8.2230	0.5708	0.0820
Senegal	1998	I	3,2	6.4142	0.0718	0.0245	6.8042	0.5722	0.8951	8.2424	0.5722	0.0804
Senegal	1999	I	3,2	6.3762	0.1363	0.0382	6.7962	0.5795	0.8884	8.2503	0.5795	0.0734
Senegal	2000	I	3,2	6.6186	0.5160	0.8231	7.3785	0.2527	0.0974	8.3636	0.2527	0.0795
Senegal	2001	O	3,2	6.5445	0.4766	0.7413	7.2879	0.2689	0.1674	8.3006	0.2689	0.0914
Senegal	2002	I	3,2	6.3136	0.2114	0.0704	6.7765	0.6322	0.8989	8.4580	0.6322	0.0307
Senegal	2003	I	3,2	0.2262	4.2529	0.0085	6.4947	0.4693	0.6402	7.3727	0.4693	0.3512
Senegal	2004	I	3,2	0.2601	4.1408	0.0114	6.4770	0.4696	0.6105	7.3457	0.4696	0.3781
Senegal	2005	O	3,2	6.5876	1.3423	0.0612	6.5916	0.5456	0.6764	7.3720	0.5456	0.2624
Senegal	2006	I	3,1	0.2628	0.6220	0.0048	6.7413	0.6220	0.9123	7.8332	0.6220	0.0829
Senegal	2007	I	3,1	0.2328	0.6117	0.0054	6.7473	0.6117	0.8905	7.8086	0.6117	0.1041
Senegal	2008	I	3,1	0.2016	0.6028	0.0061	6.7387	0.6028	0.8731	7.7914	0.6028	0.1208
Senegal	2009	I	3,1	0.1770	0.5950	0.0067	6.7653	0.5950	0.8596	7.8206	0.5950	0.1337
Senegal	2010	I	3,1	0.1478	0.5883	0.0073	6.7339	0.5883	0.8492	7.7977	0.5883	0.1435
Sierra Leone	1997	I	2,2	5.5134	0.3470	0.2940	6.8162	0.8335	0.7060			
Sierra Leone	1998	I	3,2	5.4885	0.4232	0.4636	6.6677	0.4468	0.4130	7.7454	0.4468	0.1234
Sierra Leone	1999	I	3,2	5.3507	0.1639	0.1424	5.3568	0.8602	0.0745	6.2362	0.8602	0.7831
Sierra Leone	2000	I	3,2	5.4274	0.1660	0.1085	5.8855	0.7451	0.6355	6.7914	0.7451	0.2560
Sierra Leone	2001	I	3,2	5.6012	0.1700	0.0730	5.9687	0.6614	0.7064	7.0651	0.6614	0.2206
Sierra Leone	2002	I	2,2	5.9953	0.5631	0.7586	7.1649	0.6059	0.2414			
Sierra Leone	2003	O	2,2	6.0452	0.5721	0.8490	7.3457	0.5311	0.1510			
Sierra Leone	2004	I	3,2	6.0226	0.5652	0.8777	7.0846	0.2021	0.0669	7.8420	0.2021	0.0554
Sierra Leone	2005	I	2,2	5.9566	0.5475	0.8516	7.1875	0.5322	0.1484			
Sierra Leone	2006	I	3,2	5.9807	0.5406	0.8810	6.9714	0.1936	0.0638	7.7327	0.1936	0.0552
Sierra Leone	2007	I	2,2	5.9562	0.4116	0.4434	6.4199	0.7557	0.5566			
Sierra Leone	2008	I	3,2	6.0499	0.4113	0.4794	6.0513	0.7190	0.0905	6.6042	0.7190	0.4301
Sierra Leone	2009	I	2,2	6.1250	0.4004	0.4686	6.5456	0.7339	0.5314			
Sierra Leone	2010	I	2,2	6.1913	0.3981	0.4892	6.5907	0.7256	0.5108			
South Africa	1997	I	3,2	7.0217	0.6046	0.4584	7.8660	0.6645	0.3658	9.2132	0.6645	0.1759
South Africa	1998	I	3,2	7.0337	0.6287	0.5186	7.9510	0.6428	0.3097	9.2342	0.6428	0.1717
South Africa	1999	I	3,2	7.0628	0.6548	0.5663	8.0367	0.6237	0.2644	9.2660	0.6237	0.1692
South Africa	2000	I	3,2	7.1149	0.6859	0.6168	8.1510	0.6020	0.2184	9.3189	0.6020	0.1648
South Africa	2001	O	3,2	7.0550	0.6729	0.5708	8.0279	0.6696	0.2641	9.3302	0.6696	0.1651
South Africa	2002	I	3,2	7.0052	0.6689	0.5460	7.9104	0.7299	0.2899	9.3281	0.7299	0.1642
South Africa	2003	I	3,2	7.0332	0.6763	0.6167	8.0681	0.7591	0.2395	9.4352	0.7591	0.1438

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
South Africa	2004	I	3,2	7.0466	0.6746	0.6521	8.1930	0.7888	0.2188	9.5509	0.7888	0.1290
South Africa	2005	O	3,2	7.0881	0.6763	0.7199	8.5811	0.7230	0.1916	9.9311	0.7230	0.0885
South Africa	2006	I	3,2	6.9892	0.5448	0.2721	7.5434	0.8351	0.5543	9.4979	0.8351	0.1736
South Africa	2007	I	3,2	6.9638	0.4766	0.1746	7.5513	0.8027	0.6400	9.5048	0.8027	0.1854
South Africa	2008	O	3,2	6.9458	0.4243	0.1276	7.5647	0.7822	0.6720	9.4757	0.7822	0.2003
South Africa	2009	I	3,3	6.9360	0.4674	0.1633	7.5893	0.8235	0.6570	9.5410	0.7822	0.1797
South Africa	2010	O	3,3	6.9077	0.4566	0.1241	7.5345	0.8122	0.6705	9.4655	0.8498	0.2054
Swaziland	1997	I	3,2	7.7786	0.4517	0.1632	7.7797	0.9221	0.7660	9.4910	0.9221	0.0708
Swaziland	1998	I	3,2	7.7260	0.4755	0.1875	7.7262	0.8820	0.7274	9.3336	0.8820	0.0851
Swaziland	1999	I	3,1	6.3960	0.7054	0.0341	7.7125	0.7054	0.8678	9.4072	0.7054	0.0981
Swaziland	2000	O	3,1	6.3394	0.6799	0.0280	7.6885	0.6799	0.8658	9.3066	0.6799	0.1062
Swaziland	2001	I	3,1	6.1386	0.6931	0.0207	7.5650	0.6931	0.8692	9.1585	0.6931	0.1101
Swaziland	2002	I	3,1	5.8883	0.7067	0.0132	7.4658	0.7067	0.8721	9.0323	0.7067	0.1147
Swaziland	2003	I	2,2	5.5944	0.6215	0.4882	6.1010	1.0277	0.5118			
Swaziland	2004	I	2,2	5.5370	0.6287	0.4764	6.0725	1.0163	0.5236			
Swaziland	2005	I	2,2	7.2253	0.6350	0.4644	7.7942	1.0044	0.5356			
Swaziland	2006	I	2,2	7.2561	0.6400	0.4521	7.8632	0.9921	0.5479			
Swaziland	2007	I	2,2	7.2149	0.6429	0.4388	7.8647	0.9791	0.5612			
Swaziland	2008	I	2,2	7.4174	0.6443	0.4274	8.1155	0.9663	0.5726			
Swaziland	2009	O	3,2	7.2783	0.1456	0.0184	7.6625	0.7628	0.8056	9.0131	0.7628	0.1760
Swaziland	2010	E	3,2	7.2369	0.1500	0.0279	8.8589	0.7420	0.1669	7.6134	0.7420	0.8052
Tanzania	1997	I	3,2	5.9050	0.1986	0.0813	5.9856	0.6175	0.8935	6.9742	0.6175	0.0251
Tanzania	1998	I	3,2	4.9866	0.3026	0.0526	6.0012	0.4795	0.8241	6.9236	0.4795	0.1234
Tanzania	1999	I	3,2	5.8367	0.0391	0.0248	6.0313	0.5912	0.9349	7.0212	0.5912	0.0403
Tanzania	2000	O	3,2	5.1060	0.4035	0.0645	5.9921	0.4902	0.8218	6.9220	0.4902	0.1137
Tanzania	2001	I	3,2	5.7791	0.0411	0.0230	5.9885	0.5927	0.9351	7.0339	0.5927	0.0419
Tanzania	2002	I	3,2	4.9229	0.3040	0.0351	5.9826	0.5186	0.8691	6.9886	0.5186	0.0957
Tanzania	2003	I	2,2	5.9101	0.5130	0.5817	6.1498	0.7535	0.4183			
Tanzania	2004	I	2,2	5.9289	0.5195	0.6098	6.1757	0.7737	0.3902			
Tanzania	2005	I	2,2	5.9919	0.5254	0.6332	6.2452	0.7938	0.3668			
Tanzania	2006	I	2,2	5.9966	0.5308	0.6522	6.2556	0.8134	0.3478			
Tanzania	2007	O	2,2	6.0055	0.5345	0.6624	6.2629	0.8329	0.3376			
Tanzania	2008	I	3,2	5.9096	0.3691	0.1310	6.1168	0.6232	0.8345	7.4771	0.6232	0.0346
Tanzania	2009	I	2,2	6.0322	0.5209	0.7574	6.6056	0.7819	0.2426			
Tanzania	2010	I	2,2	6.0673	0.5036	0.7879	6.7966	0.7393	0.2121			
Uganda	1997	I	3,2	5.6533	0.3228	0.1185	6.0054	0.6055	0.8395	7.4679	0.6055	0.0420
Uganda	1998	I	3,2	5.6984	0.3203	0.0685	5.9767	0.6210	0.8817	7.5106	0.6210	0.0498
Uganda	1999	O	3,1	5.9537	0.6330	0.9586	7.8559	0.4162	0.0414			
Uganda	2000	I	2,2	5.8971	0.5942	0.7720	6.5220	0.9725	0.2280			
Uganda	2001	I	2,1	7.6623	0.6431	0.0635	5.9781	0.6431	0.9365			
Uganda	2002	I	2,2	5.9081	0.5640	0.7557	6.6382	0.9619	0.2443			
Uganda	2003	I	2,1	5.9625	0.6266	0.9297	7.5856	0.6266	0.0703			
Uganda	2004	I	2,1	7.4905	0.6317	0.0752	5.9781	0.6317	0.9248			
Uganda	2005	O	3,2	5.9680	0.5653	0.8449	6.9233	0.3353	0.1095	7.9390	0.3353	0.0456
Uganda	2006	I	3,2	6.1171	0.6037	0.9090	7.1437	0.2937	0.0467	8.0711	0.2937	0.0444
Uganda	2007	I	3,1	5.0967	0.5935	0.0110	6.1153	0.5935	0.8978	7.5845	0.5935	0.0912
Uganda	2008	I	2,2	6.0876	0.5146	0.6102	6.5778	0.9265	0.3898			
Uganda	2009	O	2,2	6.1771	0.5013	0.6302	6.6536	0.9560	0.3698			
Uganda	2010	E	3,1	4.7374	0.5536	0.0125	6.3366	0.5536	0.8903	7.7810	0.5536	0.0972
Zambia	1997	I	3,1	3.3571	0.8443	0.0089	6.0717	0.8443	0.9660	8.1402	0.8443	0.0251
Zambia	1998	I	3,1	3.0371	0.8732	0.0181	5.9961	0.8732	0.9585	8.1447	0.8732	0.0234
Zambia	1999	I	3,1	3.3935	0.7971	0.0103	5.9999	0.7971	0.9533	7.9068	0.7971	0.0364
Zambia	2000	I	2,2	6.0999	0.6897	0.7685	6.4732	1.1396	0.2315			
Zambia	2001	I	3,2	5.9275	0.2680	0.0408	6.2776	0.7051	0.9274	8.1015	0.7051	0.0319
Zambia	2002	O	3,2	6.0008	0.2797	0.0715	6.3066	0.6588	0.8982	8.0603	0.6588	0.0303

Table S1-PWT8 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Zambia	2003	I	2,2	6.1010	0.7149	0.8182	6.4842	1.1226	0.1818			
Zambia	2004	O	2,2	5.7953	1.4854	0.1418	6.0952	0.8462	0.8582			
Zambia	2005	I	2,2	5.9177	0.8002	0.5815	6.2458	1.1209	0.4185			
Zambia	2006	O	3,2	5.6946	0.7068	0.7237	6.9065	0.5228	0.2227	8.1949	0.5228	0.0536
Zambia	2007	I	3,2	5.6969	0.4399	0.1182	6.4179	0.8620	0.8089	8.0516	0.8620	0.0728
Zambia	2008	I	3,2	6.1264	0.7345	0.8100	7.4085	0.4655	0.1435	8.7542	0.4655	0.0466
Zambia	2009	I	3,2	5.7701	0.4885	0.1750	6.3749	0.8869	0.7747	8.2555	0.8869	0.0503
Zambia	2010	O	3,2	6.0692	0.5115	0.2300	6.6443	0.9154	0.7334	8.6807	0.9154	0.0366

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Angola	1997	E	3,2	6.0354	1.0072	0.6967	8.9122	0.6062	0.0330	7.2879	0.6062	0.2704
Angola	1998	E	3,2	6.4297	1.0613	0.7479	9.2814	0.5899	0.0278	7.6254	0.5899	0.2243
Angola	1999	E	3,2	6.3849	1.1329	0.8319	9.2517	0.5429	0.0163	7.4579	0.5429	0.1518
Angola	2000	O	3,2	6.1219	1.2057	0.9174	6.8274	0.2456	0.0546	7.4735	0.2456	0.0280
Angola	2001	I	3,2	6.4750	0.9969	0.7507	7.6380	0.5896	0.2215	9.2112	0.5896	0.0278
Angola	2002	I	3,2	6.3681	0.8817	0.6908	7.5410	0.5987	0.2776	9.0263	0.5987	0.0317
Angola	2003	I	3,2	6.0057	0.8062	0.6624	7.1401	0.5969	0.3064	8.5848	0.5969	0.0312
Angola	2004	I	3,2	6.0451	0.7573	0.6633	7.1222	0.5818	0.3059	8.5138	0.5818	0.0307
Angola	2005	I	3,2	6.1107	0.7245	0.6832	7.1282	0.5639	0.2875	8.4625	0.5639	0.0293
Angola	2006	I	3,2	6.2778	0.7080	0.7414	7.2415	0.5252	0.2297	8.4841	0.5252	0.0289
Angola	2007	I	3,2	6.5497	0.7336	0.9183	7.4992	0.2645	0.0530	8.5823	0.2645	0.0287
Angola	2008	O	3,2	6.2587	0.1004	0.0226	6.7801	0.7429	0.9534	8.1592	0.7429	0.0240
Angola	2009	E	3,3	6.7560	0.6730	0.7547	7.6203	0.0843	0.0173	7.4422	0.8393	0.2280
Angola	2010	E	3,3	6.9907	0.6576	0.7024	7.7898	0.0934	0.0236	7.4211	0.8879	0.2740
Burnika Faso	1997	I	3,1	5.8559	0.5425	0.8645	7.2003	0.5425	0.1295	9.2584	0.5425	0.0060
Burnika Faso	1998	O	3,2	5.8667	0.2561	0.1505	6.1025	0.6252	0.7908	7.9738	0.6252	0.0588
Burnika Faso	1999	I	3,2	6.0146	0.2618	0.1499	6.2487	0.6213	0.7925	8.0451	0.6213	0.0575
Burnika Faso	2000	I	3,2	5.9965	0.2667	0.1514	6.2303	0.6198	0.7919	7.9793	0.6198	0.0566
Burnika Faso	2001	I	3,2	6.0696	0.2852	0.1648	6.3075	0.6204	0.7819	7.9364	0.6204	0.0533
Burnika Faso	2002	I	3,2	6.1122	0.3064	0.1896	6.3603	0.6272	0.7618	7.8955	0.6272	0.0486
Burnika Faso	2003	O	3,2	6.2039	0.2128	0.0974	6.4161	0.5921	0.8415	7.8242	0.5921	0.0611
Burnika Faso	2004	I	3,2	6.2142	0.3460	0.2348	6.4977	0.6445	0.7296	7.9763	0.6445	0.0356
Burnika Faso	2005	I	3,2	6.2499	0.3546	0.2234	6.5428	0.6401	0.7417	8.0420	0.6401	0.0349
Burnika Faso	2006	I	3,2	6.1870	0.3629	0.2099	6.4921	0.6349	0.7555	8.0106	0.6349	0.0346
Burnika Faso	2007	I	3,2	6.1438	0.3716	0.1962	6.4661	0.6296	0.7697	8.0039	0.6296	0.0341
Burnika Faso	2008	I	3,2	6.1767	0.3801	0.1813	6.5229	0.6238	0.7849	8.0790	0.6238	0.0338
Burnika Faso	2009	O	3,2	6.1328	0.3919	0.1798	6.5071	0.6231	0.7889	8.0967	0.6231	0.0313
Burnika Faso	2010	E	3,3	6.7927	0.8276	0.3153	7.0252	0.2132	0.0627	6.3097	0.4572	0.6220
Burundi	1997	I	3,1	4.6587	0.5755	0.0896	5.9393	0.5755	0.8703	7.4351	0.5755	0.0401
Burundi	1998	O	3,2	4.5562	0.6542	0.0888	6.0321	0.6175	0.8999	8.3397	0.6175	0.0112
Burundi	1999	I	3,2	4.3960	0.4071	0.0499	5.9171	0.6187	0.9341	7.9621	0.6187	0.0160
Burundi	2000	I	3,2	4.4036	0.2567	0.0296	5.8093	0.6087	0.9469	7.6104	0.6087	0.0235
Burundi	2001	I	3,1	5.4120	0.5700	0.3116	5.8638	0.5700	0.6577	7.4034	0.5700	0.0307
Burundi	2002	I	3,2	5.6555	0.5228	0.8737	6.4610	0.2735	0.0842	7.4416	0.2735	0.0421
Burundi	2003	I	3,1	5.4080	0.4051	0.5966	6.1044	0.4051	0.3568	7.2252	0.4051	0.0466
Burundi	2004	I	3,2	5.3222	0.3282	0.4319	5.9439	0.4263	0.5106	7.0803	0.4263	0.0575
Burundi	2005	I	3,2	5.4009	0.2822	0.4309	6.0045	0.3980	0.5026	7.0805	0.3980	0.0665
Burundi	2006	O	3,2	5.4340	0.2481	0.4050	5.9872	0.4059	0.5256	7.0233	0.4059	0.0695
Burundi	2007	E	2,2	6.1563	0.5737	0.4436	5.4927	0.2995	0.5564			
Burundi	2008	E	3,2	6.6362	0.5602	0.1646	6.0992	0.2634	0.2553	5.4714	0.2634	0.5801
Burundi	2009	E	3,2	6.7305	0.5813	0.1730	6.2099	0.2579	0.2486	5.5854	0.2579	0.5784
Burundi	2010	E	3,2	6.9393	0.4794	0.1270	6.2771	0.2548	0.2830	5.6578	0.2548	0.5900
Cameroon	1997	I	3,2	7.0378	0.5412	0.8822	8.0008	0.1959	0.0689	8.9192	0.1959	0.0489
Cameroon	1998	I	2,2	7.0268	0.5508	0.8044	7.8584	0.7709	0.1956			
Cameroon	1999	I	2,2	7.0497	0.5645	0.8292	7.8924	0.7913	0.1708			
Cameroon	2000	I	2,1	7.1086	0.6056	0.9493	8.6379	0.6056	0.0507			
Cameroon	2001	O	2,2	7.0518	0.5763	0.8632	7.9214	0.8219	0.1368			
Cameroon	2002	I	2,1	8.5412	0.6125	0.0647	7.0878	0.6125	0.9353			
Cameroon	2003	I	2,1	8.4658	0.5975	0.0807	7.1007	0.5975	0.9193			
Cameroon	2004	I	2,1	8.3739	0.5819	0.0989	7.0812	0.5819	0.9011			
Cameroon	2005	I	2,1	8.3001	0.5660	0.1189	7.0655	0.5660	0.8811			
Cameroon	2006	I	2,1	8.2595	0.5499	0.1400	7.0707	0.5499	0.8600			
Cameroon	2007	O	3,2	6.5644	0.2856	0.2123	7.3348	0.5138	0.7122	8.4687	0.5138	0.0755
Cameroon	2008	E	3,2	6.5972	0.2996	0.2208	8.8478	0.5474	0.0283	7.3806	0.5474	0.7509
Cameroon	2009	E	3,2	6.6077	0.2898	0.2174	8.8334	0.5438	0.0330	7.3851	0.5438	0.7497

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Cameroon	2010	E	2,1	8.3253	0.5153	0.1479	7.1690	0.5153	0.8521			
Central African Republic	1997	I	3,2	5.7775	0.8121	0.8290	6.8679	0.3101	0.1011	8.0249	0.3101	0.0699
Central African Republic	1998	I	3,2	5.8687	0.7780	0.8258	6.8984	0.2964	0.1005	8.0206	0.2964	0.0737
Central African Republic	1999	I	3,2	5.8508	0.7498	0.8260	6.8185	0.2790	0.0974	7.9092	0.2790	0.0766
Central African Republic	2000	I	3,2	5.9243	0.7269	0.8307	6.8275	0.2540	0.0906	7.8898	0.2540	0.0787
Central African Republic	2001	I	3,2	6.0028	0.7061	0.8337	6.8494	0.2424	0.0874	7.8836	0.2424	0.0789
Central African Republic	2002	I	3,2	6.0220	0.6941	0.8523	6.7948	0.1907	0.0702	7.8092	0.1907	0.0776
Central African Republic	2003	O	3,2	5.6046	0.5584	0.4364	6.4591	0.5423	0.4914	7.5202	0.5423	0.0722
Central African Republic	2004	I	3,2	5.1304	0.2249	0.0254	6.1400	0.7412	0.9264	7.6273	0.7412	0.0482
Central African Republic	2005	I	3,2	5.0569	0.2135	0.0217	6.1195	0.7705	0.9420	7.9291	0.7705	0.0362
Central African Republic	2006	I	3,2	4.9881	0.2088	0.0181	6.0989	0.8007	0.9507	8.1605	0.8007	0.0313
Central African Republic	2007	I	3,2	4.9248	0.2047	0.0139	6.0847	0.8351	0.9582	8.3692	0.8351	0.0278
Central African Republic	2008	O	3,2	4.7067	0.5002	0.0580	6.0943	0.8000	0.9010	8.3134	0.8000	0.0410
Central African Republic	2009	E	2,2	5.9725	0.8692	0.9295	7.2591	1.3174	0.0705			
Central African Republic	2010	E	2,2	6.0524	0.7706	0.8597	6.5921	1.3980	0.1403			
Ethiopia	1997	I	2,2	6.0068	0.4680	0.9036	6.8226	0.8708	0.0964			
Ethiopia	1998	I	2,2	5.8799	0.4400	0.8778	6.4774	0.8376	0.1222			
Ethiopia	1999	O	2,2	5.8832	0.4117	0.8407	6.3015	0.7728	0.1593			
Ethiopia	2000	I	2,2	5.7676	0.4153	0.8631	6.2579	0.7690	0.1369			
Ethiopia	2001	I	2,2	5.8269	0.4185	0.8846	6.4097	0.7587	0.1154			
Ethiopia	2002	I	2,2	5.7699	0.4235	0.9210	6.6062	0.6937	0.0790			
Ethiopia	2003	I	3,2	5.2987	0.1190	0.0309	5.6984	0.4322	0.9345	7.1061	0.4322	0.0346
Ethiopia	2004	I	3,2	5.5297	0.3517	0.5861	6.0320	0.3142	0.3713	7.1471	0.3142	0.0426
Ethiopia	2005	O	3,2	5.6632	0.3314	0.5225	6.1831	0.3093	0.4333	7.3165	0.3093	0.0442
Ethiopia	2006	I	2,2	5.9322	0.4339	0.9386	6.9743	0.6409	0.0614			
Ethiopia	2007	I	2,2	6.0904	0.4427	0.8901	6.7139	0.7873	0.1099			
Ethiopia	2008	I	3,1	5.6878	0.4410	0.0801	6.2447	0.4410	0.8739	7.5717	0.4410	0.0460
Ethiopia	2009	I	3,1	5.5977	0.4378	0.0870	6.2832	0.4378	0.8610	7.5753	0.4378	0.0519
Ethiopia	2010	O	3,1	5.5223	0.4424	0.0749	6.3635	0.4424	0.8689	7.6445	0.4424	0.0561
Gambia	1997	E	2,2	7.3181	0.3289	0.0571	6.5261	1.1700	0.9429			
Gambia	1998	O	3,2	6.4855	0.7362	0.7914	7.7049	0.4939	0.1696	8.6925	0.4939	0.0390
Gambia	1999	I	3,2	6.5296	0.7310	0.8072	7.7457	0.5012	0.1630	8.8106	0.5012	0.0298
Gambia	2000	I	3,2	6.6259	0.7272	0.8257	7.8376	0.5060	0.1516	8.9863	0.5060	0.0227
Gambia	2001	I	3,2	6.1806	0.3630	0.0943	6.7694	0.8423	0.8851	8.4171	0.8423	0.0206
Gambia	2002	I	3,2	5.8802	0.3256	0.0876	6.4344	0.8313	0.9009	8.4669	0.8313	0.0115
Gambia	2003	O	3,2	6.1484	0.0987	0.0295	6.6118	0.7770	0.9314	8.2302	0.7770	0.0391
Gambia	2004	E	2,2	6.5866	0.67404	0.65884	6.9405	1.03509	0.34116			
Gambia	2005	E	2,2	6.6888	0.70346	0.72050	7.1345	1.06610	0.27950			
Gambia	2006	E	2,2	6.6955	0.70596	0.73001	7.1399	1.08792	0.26999			
Gambia	2007	E	2,2	6.6217	0.70975	0.74067	7.0684	1.10943	0.25933			
Gambia	2008	E	2,2	6.6225	0.70506	0.73499	7.0961	1.11830	0.26501			
Gambia	2009	E	3,3	6.1609	0.3305	0.1074	6.7288	0.7950	0.8145	7.0747	1.4435	0.0782
Gambia	2010	E	3,3	6.3328	0.4211	0.3570	7.1851	0.5055	0.3551	6.9745	1.1523	0.2879
Ghana	1997	I	3,2	7.0356	0.6732	0.8893	7.8688	0.2780	0.0779	8.7380	0.2780	0.0329
Ghana	1998	O	3,2	7.0234	0.6855	0.8812	7.8787	0.2746	0.0858	8.7279	0.2746	0.0329
Ghana	1999	I	3,2	7.2520	0.7077	0.9156	8.0679	0.2629	0.0588	8.9851	0.2629	0.0256
Ghana	2000	I	3,2	7.1170	0.7450	0.9782	7.7450	0.1106	0.0134	9.0277	0.1106	0.0084
Ghana	2001	I	3,1	6.4994	0.6863	0.1954	7.1390	0.6863	0.7740	8.2941	0.6863	0.0306
Ghana	2002	I	3,1	6.4372	0.6595	0.1436	7.2502	0.6595	0.8072	8.4009	0.6595	0.0492
Ghana	2003	I	3,1	6.3554	0.6434	0.1258	7.2759	0.6434	0.8177	8.4714	0.6434	0.0564
Ghana	2004	I	3,1	6.3277	0.6307	0.1162	7.3319	0.6307	0.8230	8.5718	0.6307	0.0607
Ghana	2005	O	3,1	6.2997	0.6305	0.1021	7.3869	0.6305	0.8402	8.6930	0.6305	0.0577
Ghana	2006	E	3,1	6.2113	0.6360	0.0991	7.3016	0.6360	0.8427	8.6537	0.6360	0.0582
Ghana	2007	E	3,1	6.1403	0.6495	0.0880	7.2538	0.6495	0.8567	8.6677	0.6495	0.0553
Ghana	2008	E	3,1	6.1152	0.6621	0.0770	7.2512	0.6621	0.8691	8.7298	0.6621	0.0538

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Ghana	2009	E	3,1	6.0079	0.6731	0.0653	7.1726	0.6731	0.8809	8.6944	0.6731	0.0538
Ghana	2010	E	3,1	5.7723	0.6536	0.0316	7.2402	0.6536	0.9229	8.6558	0.6536	0.0455
Guinea	1997	I	3,1	6.6765	0.5499	0.6308	7.5981	0.5499	0.3462	8.8628	0.5499	0.0230
Guinea	1998	I	3,1	6.6937	0.5636	0.6730	7.5949	0.5636	0.3119	9.0039	0.5636	0.0151
Guinea	1999	I	3,2	6.8143	0.6325	0.9245	7.7890	0.0634	0.0331	8.7335	0.0634	0.0424
Guinea	2000	I	2,2	6.7084	0.6222	0.8413	7.4968	0.8395	0.1587			
Guinea	2001	I	2,2	6.6631	0.6174	0.8603	7.4090	0.8862	0.1397			
Guinea	2002	I	2,2	6.5824	0.5975	0.8340	7.1258	0.9541	0.1660			
Guinea	2003	O	2,2	6.4361	0.5801	0.8332	6.9123	0.9864	0.1668			
Guinea	2004	I	2,2	6.3775	0.5684	0.7473	6.7443	0.9224	0.2527			
Guinea	2005	I	2,2	6.2662	0.5386	0.5924	6.5698	0.8480	0.4076			
Guinea	2006	I	2,2	6.1346	0.4362	0.3072	6.4269	0.7740	0.6928			
Guinea	2007	O	2,2	6.1822	0.2797	0.1368	6.5020	0.7377	0.8632			
Guinea	2008	E	3,2	6.6440	0.7519	0.8096	6.3121	0.2697	0.1678	5.6982	0.2697	0.0226
Guinea	2009	E	3,3	6.1711	0.2008	0.0797	6.3141	0.5878	0.4196	6.6447	0.8081	0.5006
Guinea	2010	E	3,3	6.4291	0.4911	0.2338	6.6454	0.7461	0.6917	6.2655	0.1854	0.0745
Guinea Bissau	1997	I	3,2	6.6186	0.5912	0.8810	7.3637	0.3013	0.0792	8.6767	0.3013	0.0398
Guinea Bissau	1998	I	3,2	6.5213	0.6089	0.9517	7.2186	0.1027	0.0164	8.5585	0.1027	0.0319
Guinea Bissau	1999	I	2,2	6.5827	0.5696	0.8432	7.0709	0.9841	0.1568			
Guinea Bissau	2000	I	2,2	6.5383	0.5480	0.7991	6.9191	0.9290	0.2009			
Guinea Bissau	2001	I	2,2	6.5823	0.5240	0.7353	6.8781	0.8629	0.2647			
Guinea Bissau	2002	O	2,2	6.5680	0.5000	0.6701	6.7823	0.8089	0.3299			
Guinea Bissau	2003	E	3,2	6.6339	0.8120	0.3956	6.8250	0.3640	0.2464	6.2116	0.3640	0.3580
Guinea Bissau	2004	E	3,2	6.7419	0.8300	0.3856	6.9439	0.3556	0.2562	6.3226	0.3556	0.3582
Guinea Bissau	2005	E	3,2	6.7166	0.8546	0.3633	6.9065	0.3654	0.2642	6.2795	0.3654	0.3725
Guinea Bissau	2006	E	3,3	6.7654	0.8366	0.4051	7.2320	0.1023	0.0369	6.4957	0.4465	0.5580
Guinea Bissau	2007	E	3,3	6.7763	0.8516	0.3983	7.2431	0.1082	0.0382	6.5044	0.4487	0.5634
Guinea Bissau	2008	E	3,3	6.5977	0.4455	0.5836	7.3489	0.1159	0.0393	6.9165	0.8605	0.3772
Guinea Bissau	2009	E	3,3	6.5109	0.4413	0.5993	7.2708	0.1224	0.0402	6.8721	0.8649	0.3605
Guinea Bissau	2010	E	2,1	8.0544	0.5537	0.0529	6.6465	0.5537	0.9471			
Kenya	1997	O	3,2	6.3068	0.2837	0.1522	7.1858	0.5477	0.7840	8.6327	0.5477	0.0638
Kenya	1998	I	3,2	6.2958	0.3137	0.1431	7.1711	0.5682	0.7955	8.6515	0.5682	0.0615
Kenya	1999	I	3,2	6.2953	0.3570	0.1398	7.1520	0.5899	0.8020	8.6674	0.5899	0.0583
Kenya	2000	I	3,2	6.2723	0.4213	0.1489	7.0848	0.6120	0.7968	8.6341	0.6120	0.0543
Kenya	2001	I	3,1	6.5870	0.5657	0.5108	7.3293	0.5657	0.4442	8.7609	0.5657	0.0450
Kenya	2002	I	2,2	6.8600	0.6695	0.8326	7.6314	0.9728	0.1674			
Kenya	2003	I	2,2	6.8595	0.6488	0.7293	7.2988	1.0468	0.2707			
Kenya	2004	I	2,2	6.9508	0.5764	0.7302	7.0408	1.1704	0.2698			
Kenya	2005	O	3,2	6.7834	1.5518	0.0853	6.7863	0.6351	0.7809	7.8719	0.6351	0.1339
Kenya	2006	E	3,2	6.6365	0.4786	0.4097	7.0922	1.1320	0.3723	7.4302	0.4786	0.2180
Kenya	2007	E	3,2	6.6775	0.4849	0.4250	7.1434	1.1573	0.3575	7.4898	0.4849	0.2175
Kenya	2008	E	3,2	6.6550	0.4935	0.4455	7.1339	1.1850	0.3406	7.4883	0.4935	0.2139
Kenya	2009	E	3,2	6.6874	0.4865	0.4455	7.1907	1.1903	0.3399	7.5262	0.4865	0.2146
Kenya	2010	E	3,2	6.7778	0.4175	0.3956	7.2848	1.1244	0.3630	7.5726	0.4175	0.2414
Lesotho	1997	I	3,1	5.1083	0.9047	0.1766	6.4316	0.9047	0.5797	7.5885	0.9047	0.2436
Lesotho	1998	I	3,1	5.1190	0.9032	0.1573	6.4789	0.9032	0.6284	7.5847	0.9032	0.2143
Lesotho	1999	I	3,1	5.2052	0.8956	0.1441	6.6217	0.8956	0.6840	7.7042	0.8956	0.1719
Lesotho	2000	I	3,1	5.2961	0.8803	0.1354	6.7721	0.8803	0.7361	7.8748	0.8803	0.1285
Lesotho	2001	I	3,1	5.2893	0.8595	0.1297	6.8158	0.8595	0.7760	7.9706	0.8595	0.0943
Lesotho	2002	O	3,2	6.3725	1.1024	0.5376	6.9875	0.6996	0.4081	8.2694	0.6996	0.0543
Lesotho	2003	I	3,2	4.1401	0.4589	0.0128	6.7386	1.0451	0.9054	7.0816	0.4589	0.0818
Lesotho	2004	I	3,2	4.1502	0.4445	0.0119	6.8102	1.0465	0.9155	7.1508	0.4445	0.0726
Lesotho	2005	I	3,2	5.6668	1.0178	0.0995	7.0411	0.6145	0.1263	7.0414	1.0178	0.7742
Lesotho	2006	I	3,2	5.5220	1.0230	0.0804	6.9766	0.6165	0.1108	6.9769	1.0230	0.8088
Lesotho	2007	I	3,2	5.4275	1.0279	0.0602	7.0106	0.6076	0.0899	7.0109	1.0279	0.8499

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Lesotho	2008	I	3,2	5.2212	1.0325	0.0416	7.0026	0.5807	0.0654	7.0029	1.0325	0.8930
Lesotho	2009	I	3,2	4.8844	1.0364	0.0267	6.9638	0.5077	0.0391	6.9640	1.0364	0.9342
Lesotho	2010	O	3,2	5.0777	1.0454	0.0254	7.1563	0.5779	0.0499	7.1566	1.0454	0.9248
Madagascar	1997	O	2,2	6.3799	0.6241	0.7919	6.4466	0.9748	0.2081			
Madagascar	1998	I	2,2	6.2648	0.5560	0.4371	6.5144	0.8173	0.5629			
Madagascar	1999	O	2,2	6.2796	0.6363	0.8795	7.4571	0.5987	0.1205			
Madagascar	2000	I	3,1	6.1842	0.6225	0.7916	7.3022	0.6225	0.1981	8.0754	0.6225	0.0103
Madagascar	2001	O	3,1	6.0799	0.6082	0.7222	7.1719	0.6082	0.2345	7.9650	0.6082	0.0433
Madagascar	2002	I	3,1	6.1108	0.5966	0.7746	7.2179	0.5966	0.2134	8.8085	0.5966	0.0120
Madagascar	2003	I	3,1	6.2351	0.5829	0.8416	7.3740	0.5829	0.1555	10.3310	0.5829	0.0028
Madagascar	2004	I	2,2	6.2904	0.5762	0.9025	7.3536	1.1546	0.0975			
Madagascar	2005	O	2,2	6.3282	0.5250	0.9170	7.2598	1.3712	0.0830			
Madagascar	2006	I	2,2	5.7114	0.5538	0.9034	6.5559	1.2981	0.0966			
Madagascar	2007	I	2,2	5.3476	0.5787	0.8815	6.0530	1.2382	0.1185			
Madagascar	2008	I	2,2	5.1838	0.5986	0.8433	5.7383	1.1656	0.1567			
Madagascar	2009	I	2,2	4.9713	0.6078	0.7642	5.3729	1.0714	0.2358			
Madagascar	2010	O	2,2	4.6500	0.5843	0.5638	4.9276	0.9516	0.4362			
Malawi	1997	O	2,2	6.3288	0.6100	0.7654	6.9253	1.1761	0.2346			
Malawi	1998	I	2,2	6.0948	0.6026	0.7894	6.7734	1.1202	0.2106			
Malawi	1999	I	2,2	6.1490	0.5958	0.8169	6.9349	1.0546	0.1831			
Malawi	2000	I	2,2	6.0776	0.5890	0.8529	7.0386	0.9636	0.1471			
Malawi	2001	I	3,1	5.9051	0.5471	0.8007	6.7269	0.5471	0.1702	8.1196	0.5471	0.0291
Malawi	2002	I	3,1	6.0772	0.5070	0.7044	6.8034	0.5070	0.2606	8.2055	0.5070	0.0350
Malawi	2003	I	3,1	6.0477	0.4761	0.6550	6.7581	0.4761	0.3079	8.1094	0.4761	0.0371
Malawi	2004	O	3,1	6.0484	0.4576	0.6446	6.7546	0.4576	0.3193	8.0395	0.4576	0.0361
Malawi	2005	I	3,1	6.0391	0.4718	0.6375	6.7583	0.4718	0.3267	8.0609	0.4718	0.0358
Malawi	2006	I	3,1	6.0938	0.4952	0.6527	6.8275	0.4952	0.3144	8.1547	0.4952	0.0329
Malawi	2007	I	3,1	6.1873	0.5216	0.6741	6.9361	0.5216	0.2965	8.2890	0.5216	0.0294
Malawi	2008	I	3,1	6.2013	0.5534	0.7136	6.9766	0.5534	0.2623	8.3626	0.5534	0.0242
Malawi	2009	I	3,1	6.3253	0.5926	0.7868	7.1839	0.5926	0.1985	8.6592	0.5926	0.0147
Malawi	2010	O	3,1	6.4283	0.6328	0.8599	7.4689	0.6328	0.1372	9.6792	0.6328	0.0029
Mali	1997	I	3,2	5.7132	0.3894	0.2147	6.2647	0.8134	0.7850	11.2326	0.8134	0.0003
Mali	1998	I	3,2	5.7942	0.3910	0.2103	6.3338	0.7946	0.7895	11.5368	0.7946	0.0002
Mali	1999	I	2,2	5.9631	0.4432	0.2784	6.4794	0.8007	0.7216			
Mali	2000	I	2,2	6.0638	0.5841	0.7211	7.0063	0.6357	0.2789			
Mali	2001	O	3,2	6.2497	0.6020	0.8604	7.2582	0.2835	0.1146	8.2027	0.2835	0.0249
Mali	2002	I	3,2	6.2750	0.6027	0.8757	7.2501	0.2600	0.0922	8.1156	0.2600	0.0321
Mali	2003	I	3,2	6.2213	0.6027	0.8897	7.1696	0.2415	0.0740	8.0031	0.2415	0.0363
Mali	2004	I	3,2	6.3616	0.6022	0.9029	7.2885	0.2266	0.0584	8.1070	0.2266	0.0387
Mali	2005	I	3,2	5.2455	0.1982	0.0384	6.3240	0.5464	0.8344	7.4142	0.5464	0.1272
Mali	2006	O	3,2	6.3263	0.1246	0.0480	6.3268	0.6174	0.8292	7.3275	0.6174	0.1228
Mali	2007	I	3,2	5.3843	0.2157	0.0407	6.3820	0.5166	0.8317	7.4387	0.5166	0.1275
Mali	2008	I	3,1	6.1275	0.5037	0.3690	6.5387	0.5037	0.5215	7.4287	0.5037	0.1095
Mali	2009	I	2,2	6.4367	0.5607	0.9682	7.8962	0.1244	0.0318			
Mali	2010	O	2,2	6.1682	0.3150	0.2102	6.5968	0.6025	0.7898			
Mauritania	1997	I	2,2	6.9061	0.4633	0.2109	7.0059	0.7412	0.7891			
Mauritania	1998	I	3,2	6.9211	0.6671	0.9673	7.3593	0.0971	0.0125	8.5303	0.0971	0.0202
Mauritania	1999	I	3,2	6.6834	0.5820	0.6839	7.3118	0.4052	0.2332	8.1712	0.4052	0.0829
Mauritania	2000	O	3,2	6.3342	0.4763	0.3674	7.0941	0.4539	0.5193	8.0138	0.4539	0.1133
Mauritania	2001	I	3,1	6.3280	0.4839	0.3664	7.0663	0.4839	0.5506	8.1049	0.4839	0.0830
Mauritania	2002	I	3,1	6.4006	0.5084	0.4006	7.0757	0.5084	0.5354	8.2393	0.5084	0.0640
Mauritania	2003	I	3,2	6.7152	0.5979	0.9117	7.5228	0.3179	0.0475	8.5566	0.3179	0.0409
Mauritania	2004	O	3,2	6.6675	0.5939	0.9330	7.5111	0.2024	0.0256	8.5957	0.2024	0.0414
Mauritania	2005	I	2,2	6.6840	0.6197	0.9603	8.4352	0.4699	0.0397			
Mauritania	2006	I	3,2	6.4557	0.0002	0.0059	6.8623	0.6300	0.9455	8.3509	0.6300	0.0486

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Mauritania	2007	I	3,2	6.8891	0.6590	0.9528	7.0192	0.1335	0.0210	8.8099	0.1335	0.0262
Mauritania	2008	O	3,2	6.9264	0.6770	0.9462	7.0788	0.1506	0.0316	8.8395	0.1506	0.0222
Mauritania	2009	E	3,3	6.6455	0.5656	0.4485	7.5374	0.3516	0.0760	7.1214	0.8694	0.4755
Mauritania	2010	E	2,1	6.9798	0.6836	0.9217	8.0053	0.6836	0.0783			
Mozambique	1997	I	3,2	5.7019	0.2025	0.0513	5.9102	0.6765	0.9073	7.7214	0.6765	0.0413
Mozambique	1998	I	3,2	5.8268	0.3495	0.1298	5.9594	0.7030	0.8326	7.8104	0.7030	0.0376
Mozambique	1999	I	2,2	5.9258	0.5813	0.7609	6.4350	1.0756	0.2391			
Mozambique	2000	I	3,2	5.7924	0.3666	0.1625	5.9146	0.7119	0.8003	7.8375	0.7119	0.0372
Mozambique	2001	I	3,2	5.7803	0.3667	0.1715	5.9003	0.7143	0.7912	7.8578	0.7143	0.0373
Mozambique	2002	O	3,2	5.9846	0.3821	0.1919	6.1027	0.7172	0.7702	8.0863	0.7172	0.0379
Mozambique	2003	I	2,2	6.0498	0.5831	0.7681	6.5221	1.1373	0.2319			
Mozambique	2004	I	2,2	6.1340	0.5920	0.7706	6.5351	1.1593	0.2294			
Mozambique	2005	I	2,2	6.2313	0.6023	0.7785	6.5630	1.1868	0.2215			
Mozambique	2006	I	3,1	0.7437	0.6663	0.0062	6.2417	0.6663	0.9579	8.2165	0.6663	0.0359
Mozambique	2007	O	3,1	0.4295	0.6741	0.0072	6.2603	0.6741	0.9610	8.2530	0.6741	0.0319
Mozambique	2008	E	3,2	5.9146	0.4820	0.3980	6.4386	1.2252	0.2462	6.6188	0.4820	0.3558
Mozambique	2009	E	3,2	5.8962	0.4864	0.4187	6.4234	1.2411	0.2422	6.6059	0.4864	0.3391
Mozambique	2010	E	3,2	5.8750	0.4043	0.3633	6.3943	1.1552	0.2706	6.5935	0.4043	0.3662
Namibia	1997	I	3,2	6.4567	0.4957	0.2160	7.0407	0.9309	0.6514	9.2434	0.9309	0.1326
Namibia	1998	I	3,2	6.5216	0.4763	0.2254	7.0893	0.9216	0.6478	9.2532	0.9216	0.1268
Namibia	1999	I	3,2	6.5741	0.4606	0.2353	7.1304	0.9144	0.6441	9.2563	0.9144	0.1206
Namibia	2000	I	3,2	6.6981	0.4482	0.2466	7.2483	0.9099	0.6398	9.3367	0.9099	0.1136
Namibia	2001	I	3,2	6.8359	0.4368	0.2565	7.3832	0.9063	0.6374	9.4394	0.9063	0.1061
Namibia	2002	I	3,2	6.8672	0.4295	0.2711	7.4211	0.9086	0.6328	9.4458	0.9086	0.0962
Namibia	2003	O	3,2	6.9840	0.4227	0.2857	7.5540	0.9169	0.6318	9.5656	0.9169	0.0825
Namibia	2004	I	3,2	6.9873	0.4027	0.2281	7.5140	0.8532	0.6715	9.5550	0.8532	0.1004
Namibia	2005	I	3,3	6.9867	0.4247	0.2584	7.5934	0.8788	0.6652	9.7658	0.7720	0.0764
Namibia	2006	I	3,3	7.0647	0.4314	0.2640	7.7067	0.8792	0.6662	9.9068	0.7449	0.0698
Namibia	2007	I	3,3	7.1093	0.4353	0.2659	7.7799	0.8755	0.6684	9.9896	0.7276	0.0657
Namibia	2008	I	3,3	7.2094	0.4417	0.2747	7.9201	0.8779	0.6678	10.1903	0.6784	0.0575
Namibia	2009	O	3,2	7.3218	0.4377	0.2510	7.9985	0.8371	0.6649	9.9509	0.8371	0.0841
Namibia	2010	E	3,3	7.3583	0.5068	0.5214	8.4158	0.3790	0.1181	8.5086	1.2024	0.3605
Niger	1997	I	3,2	5.8097	0.6217	0.9256	6.7796	0.1185	0.0332	7.7597	0.1185	0.0412
Niger	1998	I	2,2	5.8650	0.5943	0.7521	6.3652	0.9334	0.2479			
Niger	1999	I	2,2	5.8622	0.5922	0.7578	6.3565	0.9521	0.2422			
Niger	2000	I	2,2	5.7883	0.5902	0.7633	6.2780	0.9703	0.2367			
Niger	2001	I	2,2	5.8163	0.5881	0.7683	6.3022	0.9881	0.2317			
Niger	2002	I	2,2	5.8247	0.5873	0.7740	6.3116	1.0049	0.2260			
Niger	2003	I	2,2	5.8335	0.5876	0.7802	6.3241	1.0216	0.2198			
Niger	2004	I	2,2	5.8400	0.5890	0.7876	6.3354	1.0396	0.2124			
Niger	2005	O	2,2	5.8266	0.5802	0.7857	6.3259	1.0428	0.2143			
Niger	2006	I	2,2	5.8665	0.5337	0.8494	6.7124	0.8044	0.1506			
Niger	2007	O	2,2	5.9271	0.4500	0.7881	6.6540	0.6540	0.2119			
Niger	2008	I	3,1	5.8303	0.3884	0.5779	6.4192	0.3884	0.3656	7.4348	0.3884	0.0565
Niger	2009	I	3,2	5.9072	0.4006	0.7724	6.5746	0.2803	0.1536	7.2944	0.4006	0.0740
Niger	2010	I	3,2	5.9411	0.4299	0.8454	6.3808	0.0005	0.0437	7.0348	0.4299	0.1110
Nigeria	1997	I	3,1	4.3643	0.6560	0.0674	5.4019	0.6560	0.8796	7.0551	0.6560	0.0530
Nigeria	1998	I	3,1	4.4967	0.6575	0.0767	5.5121	0.6575	0.8709	7.1060	0.6575	0.0524
Nigeria	1999	I	3,1	4.3119	0.6591	0.0858	5.3109	0.6591	0.8622	6.8402	0.6591	0.0520
Nigeria	2000	I	3,1	4.4670	0.6606	0.0947	5.4544	0.6606	0.8533	6.9116	0.6606	0.0520
Nigeria	2001	I	3,1	5.2313	0.6620	0.1032	6.2107	0.6620	0.8442	7.5854	0.6620	0.0527
Nigeria	2002	I	3,1	5.4403	0.6628	0.1111	6.4151	0.6628	0.8338	7.6914	0.6628	0.0551
Nigeria	2003	O	3,2	5.2569	0.4256	0.0267	6.8013	0.7103	0.9253	8.0005	0.7103	0.0480
Nigeria	2004	I	2,2	7.0126	0.6728	0.5676	7.0830	0.9532	0.4324			
Nigeria	2005	I	2,2	7.4575	0.6996	0.6529	7.5960	0.9997	0.3471			

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Nigeria	2006	I	2,2	7.1650	0.7110	0.6749	7.3692	1.0237	0.3251			
Nigeria	2007	I	2,2	7.6684	0.7182	0.6797	7.9355	1.0388	0.3203			
Nigeria	2008	I	2,2	7.4375	0.7235	0.6778	7.7650	1.0494	0.3222			
Nigeria	2009	O	2,2	7.6898	0.7216	0.6552	8.0708	1.0521	0.3448			
Nigeria	2010	I	2,2	7.7394	0.6415	0.5948	7.9331	0.9718	0.4052			
Rawanda	1997	E	2,2	5.8313	0.6105	0.8101	6.7296	1.1074	0.1899			
Rawanda	1998	E	2,2	5.7978	0.6114	0.8008	6.6482	1.1236	0.1992			
Rawanda	1999	E	2,2	5.7500	0.6090	0.7888	6.5454	1.1408	0.2112			
Rawanda	2000	O	2,2	5.8474	0.6063	0.7771	6.5953	1.1543	0.2229			
Rawanda	2001	I	3,2	5.7685	0.5386	0.5324	6.1195	0.8879	0.4402	8.1214	0.8879	0.0274
Rawanda	2002	I	3,2	5.8093	0.5059	0.4196	6.0857	0.8266	0.5425	8.1109	0.8266	0.0378
Rawanda	2003	I	3,2	5.7430	0.4851	0.2755	5.9445	0.7685	0.6802	8.0016	0.7685	0.0443
Rawanda	2004	I	3,2	5.7446	0.4287	0.2473	5.9718	0.7633	0.7049	8.0657	0.7633	0.0478
Rawanda	2005	O	3,2	5.8335	0.3893	0.1972	6.0528	0.7477	0.7520	8.1678	0.7477	0.0508
Rawanda	2006	I	3,2	5.9259	0.4213	0.2418	6.1857	0.7425	0.7070	8.2562	0.7425	0.0511
Rawanda	2007	I	3,2	5.8251	0.4541	0.3149	6.1331	0.7443	0.6348	8.1470	0.7443	0.0503
Rawanda	2008	I	3,2	6.0375	0.4671	0.3626	6.3920	0.7357	0.5871	8.3558	0.7357	0.0503
Rawanda	2009	I	3,2	6.1290	0.4676	0.3832	6.5259	0.7166	0.5654	8.4510	0.7166	0.0514
Rawanda	2010	O	3,2	6.1437	0.4623	0.3925	6.5818	0.6929	0.5547	8.4742	0.6929	0.0528
Senegal	1997	I	3,2	6.5073	0.0188	0.0213	6.8844	0.5708	0.8967	8.3213	0.5708	0.0820
Senegal	1998	I	3,2	6.5373	0.0718	0.0245	6.9273	0.5722	0.8951	8.3655	0.5722	0.0804
Senegal	1999	I	3,2	6.5294	0.1363	0.0382	6.9494	0.5795	0.8884	8.4036	0.5795	0.0734
Senegal	2000	I	3,2	6.7999	0.5160	0.8231	7.5598	0.2527	0.0974	8.5448	0.2527	0.0795
Senegal	2001	O	3,2	6.7520	0.4766	0.7413	7.4954	0.2689	0.1674	8.5081	0.2689	0.0914
Senegal	2002	I	3,2	6.5458	0.2114	0.0704	7.0087	0.6322	0.8989	8.6902	0.6322	0.0307
Senegal	2003	I	3,2	0.4755	4.2529	0.0085	6.7440	0.4693	0.6402	7.6220	0.4693	0.3512
Senegal	2004	I	3,2	0.5269	4.1408	0.0114	6.7438	0.4696	0.6105	7.6124	0.4696	0.3781
Senegal	2005	O	3,2	6.8774	1.3423	0.0612	6.8813	0.5456	0.6764	7.6617	0.5456	0.2624
Senegal	2006	I	3,1	0.5395	0.6220	0.0048	7.0179	0.6220	0.9123	8.1099	0.6220	0.0829
Senegal	2007	I	3,1	0.4986	0.6117	0.0054	7.0131	0.6117	0.8905	8.0744	0.6117	0.1041
Senegal	2008	I	3,1	0.4935	0.6028	0.0061	7.0306	0.6028	0.8731	8.0833	0.6028	0.1208
Senegal	2009	I	3,1	0.4452	0.5950	0.0067	7.0335	0.5950	0.8596	8.0889	0.5950	0.1337
Senegal	2010	I	3,1	0.4226	0.5883	0.0073	7.0088	0.5883	0.8492	8.0725	0.5883	0.1435
Sierra Leone	1997	I	2,2	5.7062	0.3470	0.2940	7.0090	0.8335	0.7060			
Sierra Leone	1998	I	3,2	5.7195	0.4232	0.4636	6.8987	0.4468	0.4130	7.9764	0.4468	0.1234
Sierra Leone	1999	I	3,2	5.5990	0.1639	0.1424	5.6051	0.8602	0.0745	6.4845	0.8602	0.7831
Sierra Leone	2000	I	3,2	5.7184	0.1660	0.1085	6.1764	0.7451	0.6355	7.0824	0.7451	0.2560
Sierra Leone	2001	I	3,2	5.9098	0.1700	0.0730	6.2773	0.6614	0.7064	7.3738	0.6614	0.2206
Sierra Leone	2002	I	2,2	6.3187	0.5631	0.7586	7.4883	0.6059	0.2414			
Sierra Leone	2003	O	2,2	6.3853	0.5721	0.8490	7.6858	0.5311	0.1510			
Sierra Leone	2004	I	3,2	6.3827	0.5652	0.8777	7.4447	0.2021	0.0669	8.2022	0.2021	0.0554
Sierra Leone	2005	I	2,2	6.3166	0.5475	0.8516	7.5475	0.5322	0.1484			
Sierra Leone	2006	I	3,2	6.3538	0.5406	0.8810	7.3445	0.1936	0.0638	8.1058	0.1936	0.0552
Sierra Leone	2007	I	2,2	6.3392	0.4116	0.4434	6.8029	0.7557	0.5566			
Sierra Leone	2008	I	3,2	6.4333	0.4113	0.4794	6.4347	0.7190	0.0905	6.9876	0.7190	0.4301
Sierra Leone	2009	I	2,2	6.5008	0.4004	0.4686	6.9214	0.7339	0.5314			
Sierra Leone	2010	I	2,2	6.3906	0.3981	0.4892	6.7900	0.7256	0.5108			
South Africa	1997	I	3,2	7.3845	0.6046	0.4584	8.2288	0.6645	0.3658	9.5760	0.6645	0.1759
South Africa	1998	I	3,2	7.3965	0.6287	0.5186	8.3137	0.6428	0.3097	9.5969	0.6428	0.1717
South Africa	1999	I	3,2	7.4293	0.6548	0.5663	8.4032	0.6237	0.2644	9.6324	0.6237	0.1692
South Africa	2000	I	3,2	7.4786	0.6859	0.6168	8.5147	0.6020	0.2184	9.6826	0.6020	0.1648
South Africa	2001	O	3,2	7.4179	0.6729	0.5708	8.3909	0.6696	0.2641	9.6931	0.6696	0.1651
South Africa	2002	I	3,2	7.3652	0.6689	0.5460	8.2703	0.7299	0.2899	9.6881	0.7299	0.1642
South Africa	2003	I	3,2	7.3895	0.6763	0.6167	8.4244	0.7591	0.2395	9.7915	0.7591	0.1438
South Africa	2004	I	3,2	7.3943	0.6746	0.6521	8.5407	0.7888	0.2188	9.8986	0.7888	0.1290

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
South Africa	2005	O	3,2	7.4338	0.6763	0.7199	8.9268	0.7230	0.1916	10.2767	0.7230	0.0885
South Africa	2006	I	3,2	7.3081	0.5448	0.2721	7.8622	0.8351	0.5543	9.8168	0.8351	0.1736
South Africa	2007	I	3,2	7.2694	0.4766	0.1746	7.8569	0.8027	0.6400	9.8104	0.8027	0.1854
South Africa	2008	O	3,2	7.2179	0.4243	0.1276	7.8368	0.7822	0.6720	9.7479	0.7822	0.2003
South Africa	2009	I	3,3	7.1624	0.4674	0.1633	7.8157	0.8235	0.6570	9.7674	0.7822	0.1797
South Africa	2010	O	3,3	7.1086	0.4566	0.1241	7.7354	0.8122	0.6705	9.6665	0.8498	0.2054
Swaziland	1997	I	3,2	8.1071	0.4517	0.1632	8.1082	0.9221	0.7660	9.8195	0.9221	0.0708
Swaziland	1998	I	3,2	8.1047	0.4755	0.1875	8.1049	0.8820	0.7274	9.7123	0.8820	0.0851
Swaziland	1999	I	3,1	6.7843	0.7054	0.0341	8.1009	0.7054	0.8678	9.7955	0.7054	0.0981
Swaziland	2000	O	3,1	6.8829	0.6799	0.0280	8.2320	0.6799	0.8658	9.8501	0.6799	0.1062
Swaziland	2001	I	3,1	6.7755	0.6931	0.0207	8.2020	0.6931	0.8692	9.7955	0.6931	0.1101
Swaziland	2002	I	3,1	6.5365	0.7067	0.0132	8.1140	0.7067	0.8721	9.6805	0.7067	0.1147
Swaziland	2003	I	2,2	7.8699	0.6215	0.4882	8.3765	1.0277	0.5118			
Swaziland	2004	I	2,2	7.8631	0.6287	0.4764	8.3986	1.0163	0.5236			
Swaziland	2005	I	2,2	7.7955	0.6350	0.4644	8.3644	1.0044	0.5356			
Swaziland	2006	I	2,2	7.8676	0.6400	0.4521	8.4746	0.9921	0.5479			
Swaziland	2007	I	2,2	7.8349	0.6429	0.4388	8.4846	0.9791	0.5612			
Swaziland	2008	I	2,2	7.9003	0.6443	0.4274	8.5984	0.9663	0.5726			
Swaziland	2009	O	3,2	7.6757	0.1456	0.0184	8.0600	0.7628	0.8056	9.4105	0.7628	0.1760
Swaziland	2010	E	3,2	7.7671	0.1500	0.0279	9.3892	0.7420	0.1669	8.1436	0.7420	0.8052
Tanzania	1997	I	3,2	6.2007	0.1986	0.0813	6.2813	0.6175	0.8935	7.2699	0.6175	0.0251
Tanzania	1998	I	3,2	5.3103	0.3026	0.0526	6.3249	0.4795	0.8241	7.2473	0.4795	0.1234
Tanzania	1999	I	3,2	6.1850	0.0391	0.0248	6.3796	0.5912	0.9349	7.3694	0.5912	0.0403
Tanzania	2000	O	3,2	5.4760	0.4035	0.0645	6.3621	0.4902	0.8218	7.2919	0.4902	0.1137
Tanzania	2001	I	3,2	6.1768	0.0411	0.0230	6.3862	0.5927	0.9351	7.4316	0.5927	0.0419
Tanzania	2002	I	3,2	5.3445	0.3040	0.0351	6.4042	0.5186	0.8691	7.4102	0.5186	0.0957
Tanzania	2003	I	2,2	6.3583	0.5130	0.5817	6.5980	0.7535	0.4183			
Tanzania	2004	I	2,2	6.4014	0.5195	0.6098	6.6482	0.7737	0.3902			
Tanzania	2005	I	2,2	6.4923	0.5254	0.6332	6.7455	0.7938	0.3668			
Tanzania	2006	I	2,2	6.4728	0.5308	0.6522	6.7318	0.8134	0.3478			
Tanzania	2007	O	2,2	6.5215	0.5345	0.6624	6.7788	0.8329	0.3376			
Tanzania	2008	I	3,2	6.4807	0.3691	0.1310	6.6878	0.6232	0.8345	8.0481	0.6232	0.0346
Tanzania	2009	I	2,2	6.6380	0.5209	0.7574	7.2114	0.7819	0.2426			
Tanzania	2010	I	2,2	6.6790	0.5036	0.7879	7.4084	0.7393	0.2121			
Uganda	1997	I	3,2	6.0581	0.3228	0.1185	6.4102	0.6055	0.8395	7.8726	0.6055	0.0420
Uganda	1998	I	3,2	6.1108	0.3203	0.0685	6.3891	0.6210	0.8817	7.9229	0.6210	0.0498
Uganda	1999	O	3,1	6.3706	0.6330	0.9586	8.2727	0.4162	0.0414			
Uganda	2000	I	2,2	6.2978	0.5942	0.7720	6.9227	0.9725	0.2280			
Uganda	2001	I	2,1	8.0613	0.6431	0.0635	6.3770	0.6431	0.9365			
Uganda	2002	I	2,2	6.3054	0.5640	0.7557	7.0355	0.9619	0.2443			
Uganda	2003	I	2,1	6.3599	0.6266	0.9297	7.9830	0.6266	0.0703			
Uganda	2004	I	2,1	7.8865	0.6317	0.0752	6.3741	0.6317	0.9248			
Uganda	2005	O	3,2	6.3619	0.5653	0.8449	7.3173	0.3353	0.1095	8.3330	0.3353	0.0456
Uganda	2006	I	3,2	6.5144	0.6037	0.9090	7.5410	0.2937	0.0467	8.4684	0.2937	0.0444
Uganda	2007	I	3,1	5.5052	0.5935	0.0110	6.5239	0.5935	0.8978	7.9931	0.5935	0.0912
Uganda	2008	I	2,2	6.4997	0.5146	0.6102	6.9898	0.9265	0.3898			
Uganda	2009	O	2,2	6.5631	0.5013	0.6302	7.0396	0.9560	0.3698			
Uganda	2010	E	3,1	5.1171	0.5536	0.0125	6.7162	0.5536	0.8903	8.1606	0.5536	0.0972
Zambia	1997	I	3,1	3.5743	0.8443	0.0089	6.2889	0.8443	0.9660	8.3573	0.8443	0.0251
Zambia	1998	I	3,1	3.3199	0.8732	0.0181	6.2789	0.8732	0.9585	8.4276	0.8732	0.0234
Zambia	1999	I	3,1	3.7446	0.7971	0.0103	6.3510	0.7971	0.9533	8.2579	0.7971	0.0364
Zambia	2000	I	2,2	6.4262	0.6897	0.7685	6.7995	1.1396	0.2315			
Zambia	2001	I	3,2	6.2402	0.2680	0.0408	6.5904	0.7051	0.9274	8.4143	0.7051	0.0319
Zambia	2002	O	3,2	6.3440	0.2797	0.0715	6.6498	0.6588	0.8982	8.4035	0.6588	0.0303
Zambia	2003	I	2,2	6.4378	0.7149	0.8182	6.8211	1.1226	0.1818			

Table S1-PWT9 Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Zambia	2004	O	2,2	6.1792	1.4854	0.1418	6.4792	0.8462	0.8582			
Zambia	2005	I	2,2	6.3172	0.8002	0.5815	6.6453	1.1209	0.4185			
Zambia	2006	O	3,2	6.0891	0.7068	0.7237	7.3010	0.5228	0.2227	8.5894	0.5228	0.0536
Zambia	2007	I	3,2	6.0951	0.4399	0.1182	6.8161	0.8620	0.8089	8.4498	0.8620	0.0728
Zambia	2008	I	3,2	6.5155	0.7345	0.8100	7.7976	0.4655	0.1435	9.1432	0.4655	0.0466
Zambia	2009	I	3,2	6.2697	0.4885	0.1750	6.8746	0.8869	0.7747	8.7552	0.8869	0.0503
Zambia	2010	O	3,2	6.4266	0.5115	0.2300	7.0017	0.9154	0.7334	9.0381	0.9154	0.0366

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Angola	1997	E	3,2	5.1309	1.0072	0.6967	8.0077	0.6062	0.0330	6.3834	0.6062	0.2704
Angola	1998	E	3,2	5.6550	1.0613	0.7479	8.5067	0.5899	0.0278	6.8507	0.5899	0.2243
Angola	1999	E	3,2	5.7632	1.1329	0.8319	8.6301	0.5429	0.0163	6.8362	0.5429	0.1518
Angola	2000	O	3,2	5.4592	1.2057	0.9174	6.1647	0.2456	0.0546	6.8108	0.2456	0.0280
Angola	2001	I	3,2	6.0107	0.9969	0.7507	7.1736	0.5896	0.2215	8.7468	0.5896	0.0278
Angola	2002	I	3,2	6.1298	0.8817	0.6908	7.3027	0.5987	0.2776	8.7880	0.5987	0.0317
Angola	2003	I	3,2	6.3144	0.8062	0.6624	7.4488	0.5969	0.3064	8.8935	0.5969	0.0312
Angola	2004	I	3,2	6.3417	0.7573	0.6633	7.4188	0.5818	0.3059	8.8103	0.5818	0.0307
Angola	2005	I	3,2	6.2203	0.7245	0.6832	7.2378	0.5639	0.2875	8.5722	0.5639	0.0293
Angola	2006	I	3,2	6.6170	0.7080	0.7414	7.5806	0.5252	0.2297	8.8233	0.5252	0.0289
Angola	2007	I	3,2	7.0220	0.7336	0.9183	7.9715	0.2645	0.0530	9.0546	0.2645	0.0287
Angola	2008	O	3,2	6.8369	0.1004	0.0226	7.3583	0.7429	0.9534	8.7375	0.7429	0.0240
Angola	2009	E	3,3	7.1358	0.6730	0.7547	8.0000	0.0843	0.0173	7.8219	0.8393	0.2280
Angola	2010	E	3,3	7.4939	0.6576	0.7024	8.2929	0.0934	0.0236	7.9242	0.8879	0.2740
Burnika Faso	1997	I	3,1	6.4438	0.5425	0.8645	7.7882	0.5425	0.1295	9.8462	0.5425	0.0060
Burnika Faso	1998	O	3,2	6.4439	0.2561	0.1505	6.6797	0.6252	0.7908	8.5510	0.6252	0.0588
Burnika Faso	1999	I	3,2	6.5173	0.2618	0.1499	6.7513	0.6213	0.7925	8.5477	0.6213	0.0575
Burnika Faso	2000	I	3,2	6.4291	0.2667	0.1514	6.6629	0.6198	0.7919	8.4119	0.6198	0.0566
Burnika Faso	2001	I	3,2	6.4131	0.2852	0.1648	6.6510	0.6204	0.7819	8.2799	0.6204	0.0533
Burnika Faso	2002	I	3,2	6.4355	0.3064	0.1896	6.6836	0.6272	0.7618	8.2188	0.6272	0.0486
Burnika Faso	2003	O	3,2	6.4445	0.2128	0.0974	6.6567	0.5921	0.8415	8.0649	0.5921	0.0611
Burnika Faso	2004	I	3,2	6.3509	0.3460	0.2348	6.6344	0.6445	0.7296	8.1129	0.6445	0.0356
Burnika Faso	2005	I	3,2	6.1767	0.3546	0.2234	6.4696	0.6401	0.7417	7.9688	0.6401	0.0349
Burnika Faso	2006	I	3,2	6.3034	0.3629	0.2099	6.6086	0.6349	0.7555	8.1270	0.6349	0.0346
Burnika Faso	2007	I	3,2	6.3735	0.3716	0.1962	6.6957	0.6296	0.7697	8.2335	0.6296	0.0341
Burnika Faso	2008	I	3,2	6.4736	0.3801	0.1813	6.8198	0.6238	0.7849	8.3759	0.6238	0.0338
Burnika Faso	2009	O	3,2	6.3970	0.3919	0.1798	6.7713	0.6231	0.7889	8.3609	0.6231	0.0313
Burnika Faso	2010	E	3,3	7.0242	0.8276	0.3153	7.2567	0.2132	0.0627	6.5411	0.4572	0.6220
Burundi	1997	I	3,1	4.4477	0.5755	0.0896	5.7283	0.5755	0.8703	7.2241	0.5755	0.0401
Burundi	1998	O	3,2	4.3906	0.6542	0.0888	5.8665	0.6175	0.8999	8.1741	0.6175	0.0112
Burundi	1999	I	3,2	4.1929	0.4071	0.0499	5.7141	0.6187	0.9341	7.7590	0.6187	0.0160
Burundi	2000	I	3,2	4.5768	0.2567	0.0296	5.9825	0.6087	0.9469	7.7836	0.6087	0.0235
Burundi	2001	I	3,1	5.6353	0.5700	0.3116	6.0870	0.5700	0.6577	7.6267	0.5700	0.0307
Burundi	2002	I	3,2	5.7427	0.5228	0.8737	6.5482	0.2735	0.0842	7.5288	0.2735	0.0421
Burundi	2003	I	3,1	5.3880	0.4051	0.5966	6.0843	0.4051	0.3568	7.2051	0.4051	0.0466
Burundi	2004	I	3,2	5.3376	0.3282	0.4319	5.9592	0.4263	0.5106	7.0956	0.4263	0.0575
Burundi	2005	I	3,2	5.3248	0.2822	0.4309	5.9284	0.3980	0.5026	7.0044	0.3980	0.0665
Burundi	2006	O	3,2	5.5710	0.2481	0.4050	6.1241	0.4059	0.5256	7.1602	0.4059	0.0695
Burundi	2007	E	2,2	6.3718	0.5737	0.4436	5.7082	0.2995	0.5564			
Burundi	2008	E	3,2	6.8696	0.5602	0.1646	6.3325	0.2634	0.2553	5.7048	0.2634	0.5801
Burundi	2009	E	3,2	6.9277	0.5813	0.1730	6.4071	0.2579	0.2486	5.7826	0.2579	0.5784
Burundi	2010	E	3,2	7.1035	0.4794	0.1270	6.4412	0.2548	0.2830	5.8220	0.2548	0.5900
Cameroon	1997	I	3,2	6.7596	0.5412	0.8822	7.7227	0.1959	0.0689	8.6411	0.1959	0.0489
Cameroon	1998	I	2,2	6.7813	0.5508	0.8044	7.6129	0.7709	0.1956			
Cameroon	1999	I	2,2	6.8024	0.5645	0.8292	7.6451	0.7913	0.1708			
Cameroon	2000	I	2,1	6.8670	0.6056	0.9493	8.3964	0.6056	0.0507			
Cameroon	2001	O	2,2	6.8038	0.5763	0.8632	7.6734	0.8219	0.1368			
Cameroon	2002	I	2,1	8.3012	0.6125	0.0647	6.8478	0.6125	0.9353			
Cameroon	2003	I	2,1	8.2294	0.5975	0.0807	6.8644	0.5975	0.9193			
Cameroon	2004	I	2,1	8.1452	0.5819	0.0989	6.8525	0.5819	0.9011			
Cameroon	2005	I	2,1	8.0939	0.5660	0.1189	6.8593	0.5660	0.8811			
Cameroon	2006	I	2,1	8.0693	0.5499	0.1400	6.8805	0.5499	0.8600			
Cameroon	2007	O	3,2	6.3847	0.2856	0.2123	7.1551	0.5138	0.7122	8.2889	0.5138	0.0755
Cameroon	2008	E	3,2	6.4494	0.2996	0.2208	8.7000	0.5474	0.0283	7.2328	0.5474	0.7509
Cameroon	2009	E	3,2	6.4062	0.2898	0.2174	8.6319	0.5438	0.0330	7.1836	0.5438	0.7497

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Cameroon	2010	E	2,1	8.1618	0.5153	0.1479	7.0055	0.5153	0.8521			
Central African Republic	1997	I	3,2	6.0783	0.8121	0.8290	7.1687	0.3101	0.1011	8.3257	0.3101	0.0699
Central African Republic	1998	I	3,2	6.1488	0.7780	0.8258	7.1784	0.2964	0.1005	8.3007	0.2964	0.0737
Central African Republic	1999	I	3,2	6.0635	0.7498	0.8260	7.0312	0.2790	0.0974	8.1219	0.2790	0.0766
Central African Republic	2000	I	3,2	6.0747	0.7269	0.8307	6.9778	0.2540	0.0906	8.0401	0.2540	0.0787
Central African Republic	2001	I	3,2	6.1224	0.7061	0.8337	6.9690	0.2424	0.0874	8.0032	0.2424	0.0789
Central African Republic	2002	I	3,2	6.1251	0.6941	0.8523	6.8980	0.1907	0.0702	7.9124	0.1907	0.0776
Central African Republic	2003	O	3,2	5.6956	0.5584	0.4364	6.5501	0.5423	0.4914	7.6112	0.5423	0.0722
Central African Republic	2004	I	3,2	5.1588	0.2249	0.0254	6.1684	0.7412	0.9264	7.6556	0.7412	0.0482
Central African Republic	2005	I	3,2	4.9570	0.2135	0.0217	6.0196	0.7705	0.9420	7.8292	0.7705	0.0362
Central African Republic	2006	I	3,2	4.9805	0.2088	0.0181	6.0913	0.8007	0.9507	8.1528	0.8007	0.0313
Central African Republic	2007	I	3,2	4.9586	0.2047	0.0139	6.1186	0.8351	0.9582	8.4031	0.8351	0.0278
Central African Republic	2008	O	3,2	4.8336	0.5002	0.0580	6.2212	0.8000	0.9010	8.4403	0.8000	0.0410
Central African Republic	2009	E	2,2	6.0831	0.8692	0.9295	7.3698	1.3174	0.0705			
Central African Republic	2010	E	2,2	6.1548	0.7706	0.8597	6.6945	1.3980	0.1403			
Ethiopia	1997	I	2,2	5.7514	0.4680	0.9036	6.5673	0.8708	0.0964			
Ethiopia	1998	I	2,2	5.6847	0.4400	0.8778	6.2822	0.8376	0.1222			
Ethiopia	1999	O	2,2	5.7207	0.4117	0.8407	6.1390	0.7728	0.1593			
Ethiopia	2000	I	2,2	5.6581	0.4153	0.8631	6.1484	0.7690	0.1369			
Ethiopia	2001	I	2,2	5.7321	0.4185	0.8846	6.3150	0.7587	0.1154			
Ethiopia	2002	I	2,2	5.7105	0.4235	0.9210	6.5467	0.6937	0.0790			
Ethiopia	2003	I	3,2	5.2113	0.1190	0.0309	5.6110	0.4322	0.9345	7.0187	0.4322	0.0346
Ethiopia	2004	I	3,2	5.3847	0.3517	0.5861	5.8870	0.3142	0.3713	7.0021	0.3142	0.0426
Ethiopia	2005	O	3,2	5.6782	0.3314	0.5225	6.1982	0.3093	0.4333	7.3315	0.3093	0.0442
Ethiopia	2006	I	2,2	5.9989	0.4339	0.9386	7.0410	0.6409	0.0614			
Ethiopia	2007	I	2,2	6.1344	0.4427	0.8901	6.7579	0.7873	0.1099			
Ethiopia	2008	I	3,1	5.7591	0.4410	0.0801	6.3160	0.4410	0.8739	7.6430	0.4410	0.0460
Ethiopia	2009	I	3,1	5.7447	0.4378	0.0870	6.4302	0.4378	0.8610	7.7223	0.4378	0.0519
Ethiopia	2010	O	3,1	5.6196	0.4424	0.0749	6.4608	0.4424	0.8689	7.7418	0.4424	0.0561
Gambia	1997	E	2,2	7.5356	0.3289	0.0571	6.7436	1.1700	0.9429			
Gambia	1998	O	3,2	6.6787	0.7362	0.7914	7.8981	0.4939	0.1696	8.8856	0.4939	0.0390
Gambia	1999	I	3,2	6.7210	0.7310	0.8072	7.9372	0.5012	0.1630	9.0020	0.5012	0.0298
Gambia	2000	I	3,2	6.8100	0.7272	0.8257	8.0216	0.5060	0.1516	9.1703	0.5060	0.0227
Gambia	2001	I	3,2	6.2231	0.3630	0.0943	6.8119	0.8423	0.8851	8.4596	0.8423	0.0206
Gambia	2002	I	3,2	6.4705	0.3256	0.0876	7.0247	0.8313	0.9009	9.0572	0.8313	0.0115
Gambia	2003	O	3,2	5.9532	0.0987	0.0295	6.4166	0.7770	0.9314	8.0350	0.7770	0.0391
Gambia	2004	E	2,2	6.6430	0.6740	0.6588	6.9970	1.0351	0.3412			
Gambia	2005	E	2,2	6.6723	0.7035	0.7205	7.1181	1.0661	0.2795			
Gambia	2006	E	2,2	6.6954	0.7060	0.7300	7.1398	1.0879	0.2700			
Gambia	2007	E	2,2	6.6717	0.7098	0.7407	7.1184	1.1094	0.2593			
Gambia	2008	E	2,2	6.6662	0.7051	0.7350	7.1398	1.1183	0.2650			
Gambia	2009	E	3,3	6.1756	0.3305	0.1074	6.7435	0.7950	0.8145	7.0894	1.4435	0.0782
Gambia	2010	E	3,3	6.3556	0.4211	0.3570	7.2078	0.5055	0.3551	6.9973	1.1523	0.2879
Ghana	1997	I	3,2	6.6110	0.6732	0.8893	7.4442	0.2780	0.0779	8.3133	0.2780	0.0329
Ghana	1998	O	3,2	6.5316	0.6855	0.8812	7.3869	0.2746	0.0858	8.2360	0.2746	0.0329
Ghana	1999	I	3,2	6.8864	0.7077	0.9156	7.7023	0.2629	0.0588	8.6195	0.2629	0.0256
Ghana	2000	I	3,2	6.6626	0.7450	0.9782	7.2906	0.1106	0.0134	8.5733	0.1106	0.0084
Ghana	2001	I	3,1	5.9445	0.6863	0.1954	6.5841	0.6863	0.7740	7.7391	0.6863	0.0306
Ghana	2002	I	3,1	5.8871	0.6595	0.1436	6.7001	0.6595	0.8072	7.8508	0.6595	0.0492
Ghana	2003	I	3,1	5.7547	0.6434	0.1258	6.6752	0.6434	0.8177	7.8707	0.6434	0.0564
Ghana	2004	I	3,1	5.7477	0.6307	0.1162	6.7519	0.6307	0.8230	7.9919	0.6307	0.0607
Ghana	2005	O	3,1	5.6122	0.6305	0.1021	6.6994	0.6305	0.8402	8.0055	0.6305	0.0577
Ghana	2006	E	3,1	6.0858	0.6360	0.0991	7.1761	0.6360	0.8427	8.5281	0.6360	0.0582
Ghana	2007	E	3,1	6.1163	0.6495	0.0880	7.2298	0.6495	0.8567	8.6437	0.6495	0.0553
Ghana	2008	E	3,1	6.1447	0.6621	0.0770	7.2808	0.6621	0.8691	8.7594	0.6621	0.0538

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Ghana	2009	E	3,1	6.0264	0.6731	0.0653	7.1911	0.6731	0.8809	8.7129	0.6731	0.0538
Ghana	2010	E	3,1	5.7833	0.6536	0.0316	7.2512	0.6536	0.9229	8.6668	0.6536	0.0455
Guinea	1997	I	3,1	6.3913	0.5499	0.6308	7.3130	0.5499	0.3462	8.5777	0.5499	0.0230
Guinea	1998	I	3,1	6.5682	0.5636	0.6730	7.4694	0.5636	0.3119	8.8784	0.5636	0.0151
Guinea	1999	I	3,2	6.6992	0.6325	0.9245	7.6738	0.0634	0.0331	8.6184	0.0634	0.0424
Guinea	2000	I	2,2	6.7514	0.6222	0.8413	7.5398	0.8395	0.1587			
Guinea	2001	I	2,2	6.7052	0.6174	0.8603	7.4510	0.8862	0.1397			
Guinea	2002	I	2,2	6.7469	0.5975	0.8340	7.2904	0.9541	0.1660			
Guinea	2003	O	2,2	6.4868	0.5801	0.8332	6.9629	0.9864	0.1668			
Guinea	2004	I	2,2	6.3490	0.5684	0.7473	6.7158	0.9224	0.2527			
Guinea	2005	I	2,2	6.0767	0.5386	0.5924	6.3803	0.8480	0.4076			
Guinea	2006	I	2,2	6.0777	0.4362	0.3072	6.3699	0.7740	0.6928			
Guinea	2007	O	2,2	6.1030	0.2797	0.1368	6.4227	0.7377	0.8632			
Guinea	2008	E	3,2	6.4898	0.7519	0.8096	6.1579	0.2697	0.1678	5.5440	0.2697	0.0226
Guinea	2009	E	3,3	6.1044	0.2008	0.0797	6.2474	0.5878	0.4196	6.5780	0.8081	0.5006
Guinea	2010	E	3,3	6.4137	0.4911	0.2338	6.6300	0.7461	0.6917	6.2502	0.1854	0.0745
Guinea Bissau	1997	I	3,2	7.0394	0.5912	0.8810	7.7846	0.3013	0.0792	9.0975	0.3013	0.0398
Guinea Bissau	1998	I	3,2	6.8566	0.6089	0.9517	7.5540	0.1027	0.0164	8.8939	0.1027	0.0319
Guinea Bissau	1999	I	2,2	6.8046	0.5696	0.8432	7.2929	0.9841	0.1568			
Guinea Bissau	2000	I	2,2	7.0640	0.5480	0.7991	7.4448	0.9290	0.2009			
Guinea Bissau	2001	I	2,2	7.3340	0.5240	0.7353	7.6297	0.8629	0.2647			
Guinea Bissau	2002	O	2,2	7.3059	0.5000	0.6701	7.5202	0.8089	0.3299			
Guinea Bissau	2003	E	3,2	7.2114	0.8120	0.3956	7.4024	0.3640	0.2464	6.7890	0.3640	0.3580
Guinea Bissau	2004	E	3,2	7.1758	0.8300	0.3856	7.3778	0.3556	0.2562	6.7565	0.3556	0.3582
Guinea Bissau	2005	E	3,2	6.6820	0.8546	0.3633	6.8720	0.3654	0.2642	6.2449	0.3654	0.3725
Guinea Bissau	2006	E	3,3	6.9620	0.8366	0.4051	7.4285	0.1023	0.0369	6.6922	0.4465	0.5580
Guinea Bissau	2007	E	3,3	7.0907	0.8516	0.3983	7.5575	0.1082	0.0382	6.8188	0.4487	0.5634
Guinea Bissau	2008	E	3,3	6.9571	0.4455	0.5836	7.7082	0.1159	0.0393	7.2759	0.8605	0.3772
Guinea Bissau	2009	E	3,3	6.8159	0.4413	0.5993	7.5759	0.1224	0.0402	7.1772	0.8649	0.3605
Guinea Bissau	2010	E	2,1	8.2290	0.5537	0.0529	6.8211	0.5537	0.9471			
Kenya	1997	O	3,2	5.8101	0.2837	0.1522	6.6891	0.5477	0.7840	8.1360	0.5477	0.0638
Kenya	1998	I	3,2	5.8844	0.3137	0.1431	6.7598	0.5682	0.7955	8.2402	0.5682	0.0615
Kenya	1999	I	3,2	5.9660	0.3570	0.1398	6.8227	0.5899	0.8020	8.3380	0.5899	0.0583
Kenya	2000	I	3,2	6.0226	0.4213	0.1489	6.8350	0.6120	0.7968	8.3843	0.6120	0.0543
Kenya	2001	I	3,1	6.3906	0.5657	0.5108	7.1329	0.5657	0.4442	8.5644	0.5657	0.0450
Kenya	2002	I	2,2	6.6553	0.6695	0.8326	7.4267	0.9728	0.1674			
Kenya	2003	I	2,2	6.6095	0.6488	0.7293	7.0487	1.0468	0.2707			
Kenya	2004	I	2,2	6.6654	0.5764	0.7302	6.7554	1.1704	0.2698			
Kenya	2005	O	3,2	6.4348	1.5518	0.0853	6.4377	0.6351	0.7809	7.5233	0.6351	0.1339
Kenya	2006	E	3,2	6.3743	0.4786	0.4097	6.8299	1.1320	0.3723	7.1679	0.4786	0.2180
Kenya	2007	E	3,2	6.4655	0.4849	0.4250	6.9314	1.1573	0.3575	7.2778	0.4849	0.2175
Kenya	2008	E	3,2	6.4526	0.4935	0.4455	6.9315	1.1850	0.3406	7.2860	0.4935	0.2139
Kenya	2009	E	3,2	6.4701	0.4865	0.4455	6.9734	1.1903	0.3399	7.3089	0.4865	0.2146
Kenya	2010	E	3,2	6.5886	0.4175	0.3956	7.0957	1.1244	0.3630	7.3834	0.4175	0.2414
Lesotho	1997	I	3,1	5.6426	0.9047	0.1766	6.9659	0.9047	0.5797	8.1228	0.9047	0.2436
Lesotho	1998	I	3,1	5.6694	0.9032	0.1573	7.0293	0.9032	0.6284	8.1351	0.9032	0.2143
Lesotho	1999	I	3,1	5.6652	0.8956	0.1441	7.0817	0.8956	0.6840	8.1643	0.8956	0.1719
Lesotho	2000	I	3,1	5.6761	0.8803	0.1354	7.1522	0.8803	0.7361	8.2548	0.8803	0.1285
Lesotho	2001	I	3,1	5.6787	0.8595	0.1297	7.2052	0.8595	0.7760	8.3600	0.8595	0.0943
Lesotho	2002	O	3,2	6.7656	1.1024	0.5376	7.3806	0.6996	0.4081	8.6624	0.6996	0.0543
Lesotho	2003	I	3,2	4.4710	0.4589	0.0128	7.0695	1.0451	0.9054	7.4125	0.4589	0.0818
Lesotho	2004	I	3,2	4.3886	0.4445	0.0119	7.0486	1.0465	0.9155	7.3892	0.4445	0.0726
Lesotho	2005	I	3,2	5.7242	1.0178	0.0995	7.0985	0.6145	0.1263	7.0988	1.0178	0.7742
Lesotho	2006	I	3,2	5.8037	1.0230	0.0804	7.2583	0.6165	0.1108	7.2586	1.0230	0.8088
Lesotho	2007	I	3,2	5.7751	1.0279	0.0602	7.3582	0.6076	0.0899	7.3585	1.0279	0.8499

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Lesotho	2008	I	3,2	5.6194	1.0325	0.0416	7.4008	0.5807	0.0654	7.4010	1.0325	0.8930
Lesotho	2009	I	3,2	5.2798	1.0364	0.0267	7.3593	0.5077	0.0391	7.3595	1.0364	0.9342
Lesotho	2010	O	3,2	5.2994	1.0454	0.0254	7.3780	0.5779	0.0499	7.3783	1.0454	0.9248
Madagascar	1997	O	2,2	6.3916	0.6241	0.7919	6.4583	0.9748	0.2081			
Madagascar	1998	I	2,2	6.4164	0.5560	0.4371	6.6660	0.8173	0.5629			
Madagascar	1999	O	2,2	6.4491	0.6363	0.8795	7.6266	0.5987	0.1205			
Madagascar	2000	I	3,1	6.4443	0.6225	0.7916	7.5622	0.6225	0.1981	8.3354	0.6225	0.0103
Madagascar	2001	O	3,1	6.3677	0.6082	0.7222	7.4596	0.6082	0.2345	8.2527	0.6082	0.0433
Madagascar	2002	I	3,1	6.3958	0.5966	0.7746	7.5029	0.5966	0.2134	9.0935	0.5966	0.0120
Madagascar	2003	I	3,1	6.4733	0.5829	0.8416	7.6122	0.5829	0.1555	10.5692	0.5829	0.0028
Madagascar	2004	I	2,2	6.4111	0.5762	0.9025	7.4743	1.1546	0.0975			
Madagascar	2005	O	2,2	6.2256	0.5250	0.9170	7.1573	1.3712	0.0830			
Madagascar	2006	I	2,2	6.4253	0.5538	0.9034	7.2698	1.2981	0.0966			
Madagascar	2007	I	2,2	6.5105	0.5787	0.8815	7.2158	1.2382	0.1185			
Madagascar	2008	I	2,2	6.6666	0.5986	0.8433	7.2211	1.1656	0.1567			
Madagascar	2009	I	2,2	6.6767	0.6078	0.7642	7.0784	1.0714	0.2358			
Madagascar	2010	O	2,2	6.6236	0.5843	0.5638	6.9012	0.9516	0.4362			
Malawi	1997	O	2,2	5.9710	0.6100	0.7654	6.5675	1.1761	0.2346			
Malawi	1998	I	2,2	5.7119	0.6026	0.7894	6.3906	1.1202	0.2106			
Malawi	1999	I	2,2	5.9340	0.5958	0.8169	6.7200	1.0546	0.1831			
Malawi	2000	I	2,2	5.8325	0.5890	0.8529	6.7934	0.9636	0.1471			
Malawi	2001	I	3,1	5.6480	0.5471	0.8007	6.4699	0.5471	0.1702	7.8625	0.5471	0.0291
Malawi	2002	I	3,1	6.1851	0.5070	0.7044	6.9114	0.5070	0.2606	8.3134	0.5070	0.0350
Malawi	2003	I	3,1	5.9362	0.4761	0.6550	6.6467	0.4761	0.3079	7.9979	0.4761	0.0371
Malawi	2004	O	3,1	5.6945	0.4576	0.6446	6.4006	0.4576	0.3193	7.6856	0.4576	0.0361
Malawi	2005	I	3,1	5.6866	0.4718	0.6375	6.4057	0.4718	0.3267	7.7084	0.4718	0.0358
Malawi	2006	I	3,1	5.9664	0.4952	0.6527	6.7001	0.4952	0.3144	8.0272	0.4952	0.0329
Malawi	2007	I	3,1	6.0961	0.5216	0.6741	6.8449	0.5216	0.2965	8.1978	0.5216	0.0294
Malawi	2008	I	3,1	6.1873	0.5534	0.7136	6.9627	0.5534	0.2623	8.3486	0.5534	0.0242
Malawi	2009	I	3,1	6.2836	0.5926	0.7868	7.1423	0.5926	0.1985	8.6176	0.5926	0.0147
Malawi	2010	O	3,1	6.1856	0.6328	0.8599	7.2262	0.6328	0.1372	9.4366	0.6328	0.0029
Mali	1997	I	3,2	6.2062	0.3894	0.2147	6.7577	0.8134	0.7850	11.7256	0.8134	0.0003
Mali	1998	I	3,2	6.3457	0.3910	0.2103	6.8853	0.7946	0.7895	12.0884	0.7946	0.0002
Mali	1999	I	2,2	6.5123	0.4432	0.2784	7.0285	0.8007	0.7216			
Mali	2000	I	2,2	6.6248	0.5841	0.7211	7.5673	0.6357	0.2789			
Mali	2001	O	3,2	6.7401	0.6020	0.8604	7.7486	0.2835	0.1146	8.6931	0.2835	0.0249
Mali	2002	I	3,2	6.8185	0.6027	0.8757	7.7936	0.2600	0.0922	8.6591	0.2600	0.0321
Mali	2003	I	3,2	6.6401	0.6027	0.8897	7.5884	0.2415	0.0740	8.4219	0.2415	0.0363
Mali	2004	I	3,2	6.6354	0.6022	0.9029	7.5623	0.2266	0.0584	8.3808	0.2266	0.0387
Mali	2005	I	3,2	5.1702	0.1982	0.0384	6.2488	0.5464	0.8344	7.3390	0.5464	0.1272
Mali	2006	O	3,2	6.5476	0.1246	0.0480	6.5481	0.6174	0.8292	7.5488	0.6174	0.1228
Mali	2007	I	3,2	5.7586	0.2157	0.0407	6.7562	0.5166	0.8317	7.8130	0.5166	0.1275
Mali	2008	I	3,1	6.5666	0.5037	0.3690	6.9778	0.5037	0.5215	7.8678	0.5037	0.1095
Mali	2009	I	2,2	6.8895	0.5607	0.9682	8.3489	0.1244	0.0318			
Mali	2010	O	2,2	6.5582	0.3150	0.2102	6.9867	0.6025	0.7898			
Mauritania	1997	I	2,2	6.5532	0.4633	0.2109	6.6530	0.7412	0.7891			
Mauritania	1998	I	3,2	6.6996	0.6671	0.9673	7.1378	0.0971	0.0125	8.3088	0.0971	0.0202
Mauritania	1999	I	3,2	6.5195	0.5820	0.6839	7.1479	0.4052	0.2332	8.0073	0.4052	0.0829
Mauritania	2000	O	3,2	6.2650	0.4763	0.3674	7.0249	0.4539	0.5193	7.9446	0.4539	0.1133
Mauritania	2001	I	3,1	6.2554	0.4839	0.3664	6.9937	0.4839	0.5506	8.0323	0.4839	0.0830
Mauritania	2002	I	3,1	6.3376	0.5084	0.4006	7.0128	0.5084	0.5354	8.1763	0.5084	0.0640
Mauritania	2003	I	3,2	6.7023	0.5979	0.9117	7.5099	0.3179	0.0475	8.5437	0.3179	0.0409
Mauritania	2004	O	3,2	6.6767	0.5939	0.9330	7.5202	0.2024	0.0256	8.6049	0.2024	0.0414
Mauritania	2005	I	2,2	6.7384	0.6197	0.9603	8.4895	0.4699	0.0397			
Mauritania	2006	I	3,2	6.5683	0.0002	0.0059	6.9750	0.6300	0.9455	8.4636	0.6300	0.0486

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Mauritania	2007	I	3,2	7.0719	0.6590	0.9528	7.2020	0.1335	0.0210	8.9928	0.1335	0.0262
Mauritania	2008	O	3,2	7.1082	0.6770	0.9462	7.2606	0.1506	0.0316	9.0213	0.1506	0.0222
Mauritania	2009	E	3,3	6.8912	0.5656	0.4485	7.7830	0.3516	0.0760	7.3671	0.8694	0.4755
Mauritania	2010	E	2,1	7.4666	0.6836	0.9217	8.4921	0.6836	0.0783			
Mozambique	1997	I	3,2	5.9487	0.2025	0.0513	6.1570	0.6765	0.9073	7.9681	0.6765	0.0413
Mozambique	1998	I	3,2	6.1346	0.3495	0.1298	6.2672	0.7030	0.8326	8.1182	0.7030	0.0376
Mozambique	1999	I	2,2	6.3344	0.5813	0.7609	6.8436	1.0756	0.2391			
Mozambique	2000	I	3,2	6.1834	0.3666	0.1625	6.3055	0.7119	0.8003	8.2284	0.7119	0.0372
Mozambique	2001	I	3,2	6.1104	0.3667	0.1715	6.2304	0.7143	0.7912	8.1879	0.7143	0.0373
Mozambique	2002	O	3,2	6.3504	0.3821	0.1919	6.4685	0.7172	0.7702	8.4521	0.7172	0.0379
Mozambique	2003	I	2,2	6.2719	0.5831	0.7681	6.7442	1.1373	0.2319			
Mozambique	2004	I	2,2	6.1778	0.5920	0.7706	6.5789	1.1593	0.2294			
Mozambique	2005	I	2,2	6.0601	0.6023	0.7785	6.3918	1.1868	0.2215			
Mozambique	2006	I	3,1	0.7737	0.6663	0.0062	6.2717	0.6663	0.9579	8.2465	0.6663	0.0359
Mozambique	2007	O	3,1	0.5610	0.6741	0.0072	6.3918	0.6741	0.9610	8.3845	0.6741	0.0319
Mozambique	2008	E	3,2	6.1428	0.4820	0.3980	6.6668	1.2252	0.2462	6.8471	0.4820	0.3558
Mozambique	2009	E	3,2	6.0794	0.4864	0.4187	6.6066	1.2411	0.2422	6.7891	0.4864	0.3391
Mozambique	2010	E	3,2	6.0422	0.4043	0.3633	6.5614	1.1552	0.2706	6.7607	0.4043	0.3662
Namibia	1997	I	3,2	6.3690	0.4957	0.2160	6.9531	0.9309	0.6514	9.1557	0.9309	0.1326
Namibia	1998	I	3,2	6.4672	0.4763	0.2254	7.0348	0.9216	0.6478	9.1987	0.9216	0.1268
Namibia	1999	I	3,2	6.4864	0.4606	0.2353	7.0426	0.9144	0.6441	9.1685	0.9144	0.1206
Namibia	2000	I	3,2	6.7202	0.4482	0.2466	7.2704	0.9099	0.6398	9.3588	0.9099	0.1136
Namibia	2001	I	3,2	6.8347	0.4368	0.2565	7.3820	0.9063	0.6374	9.4382	0.9063	0.1061
Namibia	2002	I	3,2	6.8235	0.4295	0.2711	7.3774	0.9086	0.6328	9.4021	0.9086	0.0962
Namibia	2003	O	3,2	6.8499	0.4227	0.2857	7.4199	0.9169	0.6318	9.4315	0.9169	0.0825
Namibia	2004	I	3,2	6.7568	0.4027	0.2281	7.2834	0.8532	0.6715	9.3245	0.8532	0.1004
Namibia	2005	I	3,3	6.7163	0.4247	0.2584	7.3229	0.8788	0.6652	9.4953	0.7720	0.0764
Namibia	2006	I	3,3	6.9157	0.4314	0.2640	7.5577	0.8792	0.6662	9.7578	0.7449	0.0698
Namibia	2007	I	3,3	6.9830	0.4353	0.2659	7.6536	0.8755	0.6684	9.8633	0.7276	0.0657
Namibia	2008	I	3,3	7.1491	0.4417	0.2747	7.8598	0.8779	0.6678	10.1301	0.6784	0.0575
Namibia	2009	O	3,2	7.2052	0.4377	0.2510	7.8819	0.8371	0.6649	9.8343	0.8371	0.0841
Namibia	2010	E	3,3	7.3485	0.5068	0.5214	8.4060	0.3790	0.1181	8.4988	1.2024	0.3605
Niger	1997	I	3,2	6.5195	0.6217	0.9256	7.4894	0.1185	0.0332	8.4695	0.1185	0.0412
Niger	1998	I	2,2	6.5576	0.5943	0.7521	7.0578	0.9334	0.2479			
Niger	1999	I	2,2	6.4804	0.5922	0.7578	6.9746	0.9521	0.2422			
Niger	2000	I	2,2	6.3160	0.5902	0.7633	6.8057	0.9703	0.2367			
Niger	2001	I	2,2	6.2705	0.5881	0.7683	6.7564	0.9881	0.2317			
Niger	2002	I	2,2	6.2381	0.5873	0.7740	6.7251	1.0049	0.2260			
Niger	2003	I	2,2	6.2506	0.5876	0.7802	6.7411	1.0216	0.2198			
Niger	2004	I	2,2	6.1306	0.5890	0.7876	6.6259	1.0396	0.2124			
Niger	2005	O	2,2	5.7766	0.5802	0.7857	6.2759	1.0428	0.2143			
Niger	2006	I	2,2	6.0828	0.5337	0.8494	6.9287	0.8044	0.1506			
Niger	2007	O	2,2	6.2734	0.4500	0.7881	7.0002	0.6540	0.2119			
Niger	2008	I	3,1	6.2175	0.3884	0.5779	6.8065	0.3884	0.3656	7.8220	0.3884	0.0565
Niger	2009	I	3,2	6.3603	0.4006	0.7724	7.0277	0.2803	0.1536	7.7475	0.4006	0.0740
Niger	2010	I	3,2	6.3594	0.4299	0.8454	6.7991	0.0005	0.0437	7.4531	0.4299	0.1110
Niger	2011	O	3,2	5.9661	0.0688	0.0241	6.2383	0.4379	0.9005	7.3639	0.4379	0.0755
Nigeria	1997	I	3,1	5.1806	0.6560	0.0674	6.2181	0.6560	0.8796	7.8713	0.6560	0.0530
Nigeria	1998	I	3,1	5.1098	0.6575	0.0767	6.1252	0.6575	0.8709	7.7191	0.6575	0.0524
Nigeria	1999	I	3,1	5.1979	0.6591	0.0858	6.1969	0.6591	0.8622	7.7262	0.6591	0.0520
Nigeria	2000	I	3,1	5.6529	0.6606	0.0947	6.6402	0.6606	0.8533	8.0974	0.6606	0.0520
Nigeria	2001	I	3,1	6.1527	0.6620	0.1032	7.1321	0.6620	0.8442	8.5068	0.6620	0.0527
Nigeria	2002	I	3,1	6.0636	0.6628	0.1111	7.0384	0.6628	0.8338	8.3147	0.6628	0.0551
Nigeria	2003	O	3,2	5.6533	0.4256	0.0267	7.1978	0.7103	0.9253	8.3970	0.7103	0.0480
Nigeria	2004	I	2,2	6.9769	0.6728	0.5676	7.0473	0.9532	0.4324			

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Nigeria	2005	I	2,2	6.7656	0.6996	0.6529	6.9041	0.9997	0.3471			
Nigeria	2006	I	2,2	6.5438	0.7110	0.6749	6.7480	1.0237	0.3251			
Nigeria	2007	I	2,2	7.2918	0.7182	0.6797	7.5589	1.0388	0.3203			
Nigeria	2008	I	2,2	6.9604	0.7235	0.6778	7.2879	1.0494	0.3222			
Nigeria	2009	O	2,2	7.1655	0.7216	0.6552	7.5465	1.0521	0.3448			
Nigeria	2010	I	2,2	7.5551	0.6415	0.5948	7.7488	0.9718	0.4052			
Rawanda	1997	E	2,2	6.4751	0.6105	0.8101	7.3734	1.1074	0.1899			
Rawanda	1998	E	2,2	6.4157	0.6114	0.8008	7.2661	1.1236	0.1992			
Rawanda	1999	E	2,2	6.2555	0.6090	0.7888	7.0509	1.1408	0.2112			
Rawanda	2000	O	2,2	6.1572	0.6063	0.7771	6.9051	1.1543	0.2229			
Rawanda	2001	I	3,2	6.0589	0.5386	0.5324	6.4099	0.8879	0.4402	8.4118	0.8879	0.0274
Rawanda	2002	I	3,2	6.0635	0.5059	0.4196	6.3399	0.8266	0.5425	8.3651	0.8266	0.0378
Rawanda	2003	I	3,2	5.8139	0.4851	0.2755	6.0155	0.7685	0.6802	8.0726	0.7685	0.0443
Rawanda	2004	I	3,2	5.7279	0.4287	0.2473	5.9550	0.7633	0.7049	8.0490	0.7633	0.0478
Rawanda	2005	O	3,2	5.7077	0.3893	0.1972	5.9270	0.7477	0.7520	8.0420	0.7477	0.0508
Rawanda	2006	I	3,2	5.9339	0.4213	0.2418	6.1936	0.7425	0.7070	8.2641	0.7425	0.0511
Rawanda	2007	I	3,2	6.0407	0.4541	0.3149	6.3487	0.7443	0.6348	8.3626	0.7443	0.0503
Rawanda	2008	I	3,2	6.0854	0.4671	0.3626	6.4399	0.7357	0.5871	8.4037	0.7357	0.0503
Rawanda	2009	I	3,2	6.2057	0.4676	0.3832	6.6026	0.7166	0.5654	8.5278	0.7166	0.0514
Rawanda	2010	O	3,2	6.2381	0.4623	0.3925	6.6763	0.6929	0.5547	8.5686	0.6929	0.0528
Senegal	1997	I	3,2	6.5703	0.0188	0.0213	6.9473	0.5708	0.8967	8.3843	0.5708	0.0820
Senegal	1998	I	3,2	6.7594	0.0718	0.0245	7.1494	0.5722	0.8951	8.5876	0.5722	0.0804
Senegal	1999	I	3,2	6.7950	0.1363	0.0382	7.2150	0.5795	0.8884	8.6692	0.5795	0.0734
Senegal	2000	I	3,2	7.0676	0.5160	0.8231	7.8275	0.2527	0.0974	8.8126	0.2527	0.0795
Senegal	2001	O	3,2	6.9741	0.4766	0.7413	7.7175	0.2689	0.1674	8.7302	0.2689	0.0914
Senegal	2002	I	3,2	6.7499	0.2114	0.0704	7.2128	0.6322	0.8989	8.8943	0.6322	0.0307
Senegal	2003	I	3,2	0.6241	4.2529	0.0085	6.8926	0.4693	0.6402	7.7706	0.4693	0.3512
Senegal	2004	I	3,2	0.5499	4.1408	0.0114	6.7668	0.4696	0.6105	7.6354	0.4696	0.3781
Senegal	2005	O	3,2	6.7338	1.3423	0.0612	6.7378	0.5456	0.6764	7.5182	0.5456	0.2624
Senegal	2006	I	3,1	0.5717	0.6220	0.0048	7.0502	0.6220	0.9123	8.1421	0.6220	0.0829
Senegal	2007	I	3,1	0.6478	0.6117	0.0054	7.1623	0.6117	0.8905	8.2237	0.6117	0.1041
Senegal	2008	I	3,1	0.6824	0.6028	0.0061	7.2194	0.6028	0.8731	8.2722	0.6028	0.1208
Senegal	2009	I	3,1	0.6314	0.5950	0.0067	7.2198	0.5950	0.8596	8.2751	0.5950	0.1337
Senegal	2010	I	3,1	0.5558	0.5883	0.0073	7.1419	0.5883	0.8492	8.2057	0.5883	0.1435
Sierra Leone	1997	I	2,2	5.2392	0.3470	0.2940	6.5421	0.8335	0.7060			
Sierra Leone	1998	I	3,2	5.2806	0.4232	0.4636	6.4598	0.4468	0.4130	7.5375	0.4468	0.1234
Sierra Leone	1999	I	3,2	5.1845	0.1639	0.1424	5.1906	0.8602	0.0745	6.0700	0.8602	0.7831
Sierra Leone	2000	I	3,2	5.5425	0.1660	0.1085	6.0005	0.7451	0.6355	6.9065	0.7451	0.2560
Sierra Leone	2001	I	3,2	6.1104	0.1700	0.0730	6.4779	0.6614	0.7064	7.5744	0.6614	0.2206
Sierra Leone	2002	I	2,2	6.5437	0.5631	0.7586	7.7133	0.6059	0.2414			
Sierra Leone	2003	O	2,2	6.5668	0.5721	0.8490	7.8673	0.5311	0.1510			
Sierra Leone	2004	I	3,2	6.4510	0.5652	0.8777	7.5130	0.2021	0.0669	8.2704	0.2021	0.0554
Sierra Leone	2005	I	2,2	6.2112	0.5475	0.8516	7.4420	0.5322	0.1484			
Sierra Leone	2006	I	3,2	6.4276	0.5406	0.8810	7.4183	0.1936	0.0638	8.1796	0.1936	0.0552
Sierra Leone	2007	I	2,2	6.4536	0.4116	0.4434	6.9173	0.7557	0.5566			
Sierra Leone	2008	I	3,2	6.5729	0.4113	0.4794	6.5744	0.7190	0.0905	7.1272	0.7190	0.4301
Sierra Leone	2009	I	2,2	6.6694	0.4004	0.4686	7.0900	0.7339	0.5314			
Sierra Leone	2010	I	2,2	6.5271	0.3981	0.4892	6.9265	0.7256	0.5108			
South Africa	1997	I	3,2	7.0268	0.6046	0.4584	7.8711	0.6645	0.3658	9.2183	0.6645	0.1759
South Africa	1998	I	3,2	7.0548	0.6287	0.5186	7.9720	0.6428	0.3097	9.2552	0.6428	0.1717
South Africa	1999	I	3,2	7.0772	0.6548	0.5663	8.0511	0.6237	0.2644	9.2804	0.6237	0.1692
South Africa	2000	I	3,2	7.1483	0.6859	0.6168	8.1844	0.6020	0.2184	9.3522	0.6020	0.1648
South Africa	2001	O	3,2	7.0942	0.6729	0.5708	8.0672	0.6696	0.2641	9.3694	0.6696	0.1651
South Africa	2002	I	3,2	7.0797	0.6689	0.5460	7.9848	0.7299	0.2899	9.4026	0.7299	0.1642
South Africa	2003	I	3,2	7.0952	0.6763	0.6167	8.1301	0.7591	0.2395	9.4972	0.7591	0.1438

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
South Africa	2004	I	3,2	7.1287	0.6746	0.6521	8.2751	0.7888	0.2188	9.6330	0.7888	0.1290
South Africa	2005	O	3,2	7.1776	0.6763	0.7199	8.6706	0.7230	0.1916	10.0206	0.7230	0.0885
South Africa	2006	I	3,2	7.1198	0.5448	0.2721	7.6740	0.8351	0.5543	9.6285	0.8351	0.1736
South Africa	2007	I	3,2	7.1087	0.4766	0.1746	7.6962	0.8027	0.6400	9.6497	0.8027	0.1854
South Africa	2008	O	3,2	7.1010	0.4243	0.1276	7.7199	0.7822	0.6720	9.6310	0.7822	0.2003
South Africa	2009	I	3,3	7.0838	0.4674	0.1633	7.7371	0.8235	0.6570	9.6888	0.7822	0.1797
South Africa	2010	O	3,3	7.0880	0.4566	0.1241	7.7148	0.8122	0.6705	9.6459	0.8498	0.2054
Swaziland	1997	I	3,2	7.6766	0.4517	0.1632	7.6776	0.9221	0.7660	9.3890	0.9221	0.0708
Swaziland	1998	I	3,2	7.7593	0.4755	0.1875	7.7595	0.8820	0.7274	9.3670	0.8820	0.0851
Swaziland	1999	I	3,1	6.5018	0.7054	0.0341	7.8183	0.7054	0.8678	9.5130	0.7054	0.0981
Swaziland	2000	O	3,1	6.5483	0.6799	0.0280	7.8974	0.6799	0.8658	9.5155	0.6799	0.1062
Swaziland	2001	I	3,1	6.3983	0.6931	0.0207	7.8248	0.6931	0.8692	9.4183	0.6931	0.1101
Swaziland	2002	I	3,1	6.1529	0.7067	0.0132	7.7305	0.7067	0.8721	9.2970	0.7067	0.1147
Swaziland	2003	I	2,2	7.5463	0.6215	0.4882	8.0529	1.0277	0.5118			
Swaziland	2004	I	2,2	7.5295	0.6287	0.4764	8.0649	1.0163	0.5236			
Swaziland	2005	I	2,2	7.4407	0.6350	0.4644	8.0095	1.0044	0.5356			
Swaziland	2006	I	2,2	7.5789	0.6400	0.4521	8.1860	0.9921	0.5479			
Swaziland	2007	I	2,2	7.7613	0.6429	0.4388	8.4110	0.9791	0.5612			
Swaziland	2008	I	2,2	7.8308	0.6443	0.4274	8.5288	0.9663	0.5726			
Swaziland	2009	O	3,2	7.6242	0.1456	0.0184	8.0085	0.7628	0.8056	9.3590	0.7628	0.1760
Swaziland	2010	E	3,2	7.6302	0.1500	0.0279	9.2522	0.7420	0.1669	8.0066	0.7420	0.8052
Tanzania	1997	I	3,2	5.8986	0.1986	0.0813	5.9791	0.6175	0.8935	6.9677	0.6175	0.0251
Tanzania	1998	I	3,2	5.3267	0.3026	0.0526	6.3412	0.4795	0.8241	7.2636	0.4795	0.1234
Tanzania	1999	I	3,2	6.3279	0.0391	0.0248	6.5225	0.5912	0.9349	7.5124	0.5912	0.0403
Tanzania	2000	O	3,2	5.6510	0.4035	0.0645	6.5371	0.4902	0.8218	7.4669	0.4902	0.1137
Tanzania	2001	I	3,2	6.3433	0.0411	0.0230	6.5528	0.5927	0.9351	7.5982	0.5927	0.0419
Tanzania	2002	I	3,2	5.4829	0.3040	0.0351	6.5427	0.5186	0.8691	7.5486	0.5186	0.0957
Tanzania	2003	I	2,2	6.3571	0.5130	0.5817	6.5968	0.7535	0.4183			
Tanzania	2004	I	2,2	6.2831	0.5195	0.6098	6.5298	0.7737	0.3902			
Tanzania	2005	I	2,2	6.2624	0.5254	0.6332	6.5156	0.7938	0.3668			
Tanzania	2006	I	2,2	6.3096	0.5308	0.6522	6.5686	0.8134	0.3478			
Tanzania	2007	O	2,2	6.3626	0.5345	0.6624	6.6199	0.8329	0.3376			
Tanzania	2008	I	3,2	6.2825	0.3691	0.1310	6.4896	0.6232	0.8345	7.8499	0.6232	0.0346
Tanzania	2009	I	2,2	6.3600	0.5209	0.7574	6.9334	0.7819	0.2426			
Tanzania	2010	I	2,2	6.4022	0.5036	0.7879	7.1315	0.7393	0.2121			
Uganda	1997	I	3,2	6.1824	0.3228	0.1185	6.5345	0.6055	0.8395	7.9970	0.6055	0.0420
Uganda	1998	I	3,2	6.2594	0.3203	0.0685	6.5377	0.6210	0.8817	8.0716	0.6210	0.0498
Uganda	1999	O	3,1	6.4451	0.6330	0.9586	8.3472	0.4162	0.0414			
Uganda	2000	I	2,2	6.3940	0.5942	0.7720	7.0189	0.9725	0.2280			
Uganda	2001	I	2,1	8.0882	0.6431	0.0635	6.4040	0.6431	0.9365			
Uganda	2002	I	2,2	6.2790	0.5640	0.7557	7.0091	0.9619	0.2443			
Uganda	2003	I	2,1	6.2147	0.6266	0.9297	7.8377	0.6266	0.0703			
Uganda	2004	I	2,1	7.7963	0.6317	0.0752	6.2838	0.6317	0.9248			
Uganda	2005	O	3,2	6.0507	0.5653	0.8449	7.0061	0.3353	0.1095	8.0218	0.3353	0.0456
Uganda	2006	I	3,2	6.2486	0.6037	0.9090	7.2752	0.2937	0.0467	8.2025	0.2937	0.0444
Uganda	2007	I	3,1	5.2729	0.5935	0.0110	6.2915	0.5935	0.8978	7.7607	0.5935	0.0912
Uganda	2008	I	2,2	6.1863	0.5146	0.6102	6.6765	0.9265	0.3898			
Uganda	2009	O	2,2	6.3862	0.5013	0.6302	6.8628	0.9560	0.3698			
Uganda	2010	E	3,1	4.9376	0.5536	0.0125	6.5367	0.5536	0.8903	7.9811	0.5536	0.0972
Zambia	1997	I	3,1	3.4205	0.8443	0.0089	6.1351	0.8443	0.9660	8.2036	0.8443	0.0251
Zambia	1998	I	3,1	3.2642	0.8732	0.0181	6.2232	0.8732	0.9585	8.3718	0.8732	0.0234
Zambia	1999	I	3,1	3.6630	0.7971	0.0103	6.2694	0.7971	0.9533	8.1763	0.7971	0.0364
Zambia	2000	I	2,2	6.5092	0.6897	0.7685	6.8824	1.1396	0.2315			
Zambia	2001	I	3,2	6.2901	0.2680	0.0408	6.6402	0.7051	0.9274	8.4641	0.7051	0.0319
Zambia	2002	O	3,2	6.4490	0.2797	0.0715	6.7548	0.6588	0.8982	8.5085	0.6588	0.0303

Table S1-UQICD Parameter Estimates for Lognormal Mixtures

Country	Year	Data	Model	beta1	sig1	w1	beta2	sig2	w2	beta3	sig3	w3
Zambia	2003	I	2,2	6.4214	0.7149	0.8182	6.8047	1.1226	0.1818			
Zambia	2004	O	2,2	6.1102	1.4854	0.1418	6.4101	0.8462	0.8582			
Zambia	2005	I	2,2	6.0099	0.8002	0.5815	6.3379	1.1209	0.4185			
Zambia	2006	O	3,2	6.1534	0.7068	0.7237	7.3653	0.5228	0.2227	8.6537	0.5228	0.0536
Zambia	2007	I	3,2	6.4004	0.4399	0.1182	7.1213	0.8620	0.8089	8.7550	0.8620	0.0728
Zambia	2008	I	3,2	6.7669	0.7345	0.8100	8.0490	0.4655	0.1435	9.3946	0.4655	0.0466
Zambia	2009	I	3,2	6.3814	0.4885	0.1750	6.9862	0.8869	0.7747	8.8668	0.8869	0.0503
Zambia	2010	O	3,2	6.6881	0.5115	0.2300	7.2632	0.9154	0.7334	9.2996	0.9154	0.0366

Table S2 Inequality and Welfare

Country	Year	Data	Model	Estimated Inequality		Estimated Welfare			
				Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Angola	1997	E	3,2	0.5832	0.6642	202.7116	166.9408	686.6404	179.6216
Angola	1998	E	3,2	0.5842	0.6710	339.9521	305.3802	276.8218	285.1907
Angola	1999	E	3,2	0.5850	0.6770	254.8203	199.2777	1001.7915	282.9956
Angola	2000	O	3,2	0.5820	0.6766	245.0084	187.8388	332.6468	173.4507
Angola	2001	I	3,2	0.5667	0.6168	403.1253	327.0848	537.0691	380.5828
Angola	2002	I	3,2	0.5468	0.5583	432.1473	306.1015	537.0754	468.1282
Angola	2003	I	3,2	0.5270	0.5068	584.2898	352.4965	601.3502	596.8986
Angola	2004	I	3,2	0.5071	0.4605	626.0366	343.3884	581.1663	627.3614
Angola	2005	I	3,2	0.4872	0.4186	612.6104	300.5649	504.2241	562.6691
Angola	2006	I	3,2	0.4672	0.3801	680.2522	286.9935	602.1077	668.2988
Angola	2007	I	3,2	0.4465	0.3428	758.3600	382.1673	528.4710	774.9123
Angola	2008	O	3,2	0.4271	0.3120	962.3454	429.0063	565.7403	969.4132
Angola	2009	E	3,3	0.4320	0.3183	1057.0980	616.7502	537.6600	945.9683
Angola	2010	E	3,3	0.4200	0.3012	1457.9067	715.8742	788.5333	1451.6833
Burnika Faso	1997	I	3,1	0.4778	0.3855	267.5138	258.1693	379.1133	332.8979
Burnika Faso	1998	O	3,2	0.4653	0.3628	298.5262	288.6164	427.4328	371.8777
Burnika Faso	1999	I	3,2	0.4513	0.3404	337.8084	327.7719	486.1370	413.3509
Burnika Faso	2000	I	3,2	0.4429	0.3273	341.3633	315.0919	464.4693	413.8912
Burnika Faso	2001	I	3,2	0.4233	0.2979	350.6111	326.4654	486.9202	416.3128
Burnika Faso	2002	I	3,2	0.4092	0.2778	358.4160	335.2221	498.2588	439.2752
Burnika Faso	2003	O	3,2	0.3946	0.2574	381.7907	364.0585	538.6304	482.0717
Burnika Faso	2004	I	3,2	0.3955	0.2591	386.2318	356.0640	527.1991	489.8017
Burnika Faso	2005	I	3,2	0.3959	0.2598	399.1570	363.2667	536.7577	498.8692
Burnika Faso	2006	I	3,2	0.3963	0.2604	398.3294	345.5549	508.0109	484.6497
Burnika Faso	2007	I	3,2	0.3967	0.2610	395.2991	333.1977	493.8706	485.5461
Burnika Faso	2008	I	3,2	0.3971	0.2617	423.5567	347.8193	517.9434	521.3115
Burnika Faso	2009	O	3,2	0.3977	0.2627	412.5950	347.1963	516.5871	511.9292
Burnika Faso	2010	E	3,3	0.3770	0.2356	414.7366	350.4175	531.9128	559.7997
Burundi	1997	I	3,1	0.4073	0.2919	318.5269	347.8749	340.1806	262.8289
Burundi	1998	O	3,2	0.4242	0.3287	345.5211	375.9597	354.9842	296.1924
Burundi	1999	I	3,2	0.4126	0.3000	316.1182	347.0199	328.9622	266.2769
Burundi	2000	I	3,2	0.4009	0.2757	304.5899	325.7918	299.6500	296.9216
Burundi	2001	I	3,1	0.3896	0.2551	295.2174	308.1868	281.8811	303.0698
Burundi	2002	I	3,2	0.3775	0.2340	308.0964	316.6541	285.6269	320.2693
Burundi	2003	I	3,1	0.3666	0.2185	299.4520	296.6954	264.9365	318.2844
Burundi	2004	I	3,2	0.3553	0.2032	297.4011	290.7218	259.1308	321.2640
Burundi	2005	I	3,2	0.3439	0.1888	219.9631	208.4513	265.9516	246.4635
Burundi	2006	O	3,2	0.3320	0.1752	244.1853	223.4250	289.5932	280.6242
Burundi	2007	E	2,2	0.3313	0.1740	248.7336	222.1825	293.8330	284.8853
Burundi	2008	E	3,2	0.3416	0.1862	199.8141	232.3295	311.5770	296.7772
Burundi	2009	E	3,2	0.3447	0.1899	215.0461	215.1346	341.7316	326.5121
Burundi	2010	E	3,2	0.3288	0.1722	208.7182	208.8625	328.9593	330.8574
Cameroon	1997	I	3,2	0.4045	0.2686	707.6130	986.5711	1132.1559	735.3552
Cameroon	1998	I	2,2	0.4036	0.2697	720.5028	962.4781	1128.4974	749.0365
Cameroon	1999	I	2,2	0.4042	0.2715	735.0612	934.9524	1126.9892	772.1142
Cameroon	2000	I	2,1	0.4049	0.2741	751.9038	899.1960	1102.1940	796.1841
Cameroon	2001	O	2,2	0.4030	0.2708	759.9025	860.8210	1073.4445	790.0335
Cameroon	2002	I	2,1	0.4136	0.2858	779.4017	833.3920	1076.3027	809.8094
Cameroon	2003	I	2,1	0.4100	0.2796	807.0838	835.4329	1110.3120	849.2799
Cameroon	2004	I	2,1	0.4065	0.2737	821.0582	807.2390	1076.0158	853.5719
Cameroon	2005	I	2,1	0.4029	0.2678	830.7690	775.8604	1058.2395	861.0732

Table S2 Inequality and Welfare

Country	Year	Data	Model	Estimated Inequality			Estimated Welfare		
				Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Cameroon	2006	I	2,1	0.3993	0.2621	845.4073	772.6273	1048.7711	884.1176
Cameroon	2007	O	3,2	0.3883	0.2458	862.9462	762.0643	1037.6490	892.6517
Cameroon	2008	E	3,2	0.3862	0.2450	859.2351	743.1291	994.1199	878.3829
Cameroon	2009	E	3,2	0.3894	0.2488	863.2713	751.1259	1000.3155	828.2036
Cameroon	2010	E	2,1	0.3844	0.2410	916.2623	790.8852	1053.8854	890.6157
Central African Republic	1997	I	3,2	0.5298	0.5040	225.8317	279.1230	382.2625	291.4484
Central African Republic	1998	I	3,2	0.5134	0.4674	247.2601	300.4539	412.3843	320.4232
Central African Republic	1999	I	3,2	0.4971	0.4335	242.3823	287.3549	394.7309	308.2474
Central African Republic	2000	I	3,2	0.4808	0.4017	257.3260	299.1173	408.2217	330.3553
Central African Republic	2001	I	3,2	0.4648	0.3723	271.9293	312.6243	427.4414	351.6493
Central African Republic	2002	I	3,2	0.4483	0.3442	272.0593	307.8358	418.2472	352.1038
Central African Republic	2003	O	3,2	0.4359	0.3238	257.4810	288.7204	390.0062	339.4218
Central African Republic	2004	I	3,2	0.4611	0.3657	262.8632	288.2366	388.2789	346.3578
Central African Republic	2005	I	3,2	0.4863	0.4105	252.2830	272.4409	367.4003	332.4579
Central African Republic	2006	I	3,2	0.5117	0.4591	241.2907	253.8147	352.5788	318.1990
Central African Republic	2007	I	3,2	0.5373	0.5121	233.2998	239.2469	332.0548	305.8169
Central African Republic	2008	O	3,2	0.5607	0.5644	229.6662	233.6933	325.4310	310.3758
Central African Republic	2009	E	2,2	0.5691	0.5844	219.4272	220.8503	310.7273	288.1201
Central African Republic	2010	E	2,2	0.5355	0.5101	239.9637	233.0841	329.6764	312.2279
Ethiopia	1997	I	2,2	0.3482	0.2040	256.4667	284.7234	346.9511	272.3853
Ethiopia	1998	I	2,2	0.3239	0.1757	243.5045	256.4979	315.2983	265.6684
Ethiopia	1999	O	2,2	0.2996	0.1495	260.0518	260.6122	323.6647	290.7317
Ethiopia	2000	I	2,2	0.2992	0.1490	236.2772	233.9511	291.1060	246.3588
Ethiopia	2001	I	2,2	0.2990	0.1488	251.3436	235.9338	291.9847	261.9552
Ethiopia	2002	I	2,2	0.2987	0.1485	248.6013	232.6140	290.9153	248.3060
Ethiopia	2003	I	3,2	0.2988	0.1477	240.2333	208.3960	258.7675	237.4231
Ethiopia	2004	I	3,2	0.2979	0.1458	243.1000	207.2319	259.2166	242.7342
Ethiopia	2005	O	3,2	0.2978	0.1455	302.1316	251.0675	315.3302	320.1174
Ethiopia	2006	I	2,2	0.3053	0.1552	329.9619	270.6804	339.9588	354.1426
Ethiopia	2007	I	2,2	0.3134	0.1636	356.3055	291.5358	364.3137	404.7066
Ethiopia	2008	I	3,1	0.3201	0.1699	385.9232	312.8149	381.6000	427.9437
Ethiopia	2009	I	3,1	0.3272	0.1782	415.7681	354.2894	433.9464	479.8589
Ethiopia	2010	O	3,1	0.3344	0.1873	447.1788	375.7670	448.0748	512.4557
Gambia	1997	E	2,2	0.5751	0.6492	393.7262	433.2412	591.0042	400.3788
Gambia	1998	O	3,2	0.5018	0.4427	496.8615	511.8816	692.1548	458.1265
Gambia	1999	I	3,2	0.4966	0.4312	516.1138	485.0571	686.8477	474.1723
Gambia	2000	I	3,2	0.4906	0.4190	557.6887	502.8428	714.0717	520.2466
Gambia	2001	I	3,2	0.4842	0.4071	500.1899	432.0966	630.8373	448.5602
Gambia	2002	I	3,2	0.4784	0.3967	738.4883	427.4722	630.2228	652.4573
Gambia	2003	O	3,2	0.4726	0.3854	506.4212	379.6264	547.4442	432.1503
Gambia	2004	E	2,2	0.4711	0.3845	560.4695	449.2769	652.4965	639.5021
Gambia	2005	E	2,2	0.4814	0.4021	550.4464	435.9678	705.4667	693.9634
Gambia	2006	E	2,2	0.4852	0.4092	535.8452	417.5856	707.4803	702.2591
Gambia	2007	E	2,2	0.4891	0.4165	533.6730	409.6191	655.9191	668.2703
Gambia	2008	E	2,2	0.4952	0.4270	500.0140	378.9030	659.5529	653.2770
Gambia	2009	E	3,3	0.4994	0.4358	506.8565	391.7779	641.5046	619.5414
Gambia	2010	E	3,3	0.4733	0.3875	557.6082	424.0819	736.4483	719.3994
Ghana	1997	I	3,2	0.4039	0.2773	703.8866	836.4027	1254.2412	527.6087
Ghana	1998	O	3,2	0.4078	0.2841	695.5259	822.1180	1240.7154	493.4063
Ghana	1999	I	3,2	0.4105	0.2886	848.1574	977.6390	1480.1332	699.9967
Ghana	2000	I	3,2	0.4126	0.2929	738.2539	773.7675	1217.8002	536.8726

Table S2 Inequality and Welfare

Country	Year	Data	Model	Estimated Inequality		Estimated Welfare			
				Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Ghana	2001	I	3,1	0.4164	0.2990	669.6590	695.8563	1111.9351	445.5444
Ghana	2002	I	3,1	0.4191	0.3036	751.1360	792.4424	1195.3219	526.1698
Ghana	2003	I	3,1	0.4219	0.3083	761.7403	804.6531	1254.2215	547.9481
Ghana	2004	I	3,1	0.4246	0.3131	821.7962	828.9005	1258.4717	624.3168
Ghana	2005	O	3,1	0.4275	0.3184	855.7204	857.8415	1226.4905	616.7459
Ghana	2006	E	3,1	0.4338	0.3278	814.9483	809.2679	1151.2008	911.5021
Ghana	2007	E	3,1	0.4403	0.3378	831.2065	794.6262	1125.6267	922.6092
Ghana	2008	E	3,1	0.4478	0.3494	888.8510	838.3252	1145.6767	966.1016
Ghana	2009	E	3,1	0.4537	0.3584	841.8197	795.2709	1114.9648	941.3628
Ghana	2010	E	3,1	0.4205	0.3067	953.0876	876.6906	1241.4958	1083.4132
Guinea	1997	I	3,1	0.4337	0.3157	352.4261	476.9593	614.1485	417.5355
Guinea	1998	I	3,1	0.4287	0.3086	391.0216	493.1429	657.1092	522.9249
Guinea	1999	I	3,2	0.4210	0.2962	389.6260	470.5249	659.4185	499.6915
Guinea	2000	I	2,2	0.4169	0.2920	393.0773	453.5026	649.5120	531.4211
Guinea	2001	I	2,2	0.4123	0.2859	398.5230	444.9838	648.7245	490.4303
Guinea	2002	I	2,2	0.4074	0.2797	406.5320	425.1416	629.5980	496.9735
Guinea	2003	O	2,2	0.4022	0.2731	367.8232	381.0131	491.7664	412.3028
Guinea	2004	I	2,2	0.3999	0.2694	366.5506	366.2578	490.2500	407.9240
Guinea	2005	I	2,2	0.3976	0.2656	351.8161	305.8079	468.1017	387.2970
Guinea	2006	I	2,2	0.3948	0.2612	313.0696	333.6064	454.8086	356.1191
Guinea	2007	O	2,2	0.3904	0.2560	362.8852	332.2482	440.0370	338.5516
Guinea	2008	E	3,2	0.3987	0.2661	336.4012	331.6669	402.4785	319.5578
Guinea	2009	E	3,3	0.4051	0.2745	371.6853	299.7026	441.0731	320.8564
Guinea	2010	E	3,3	0.3814	0.2427	436.8981	321.9591	498.7881	402.9388
Guinea Bissau	1997	I	3,2	0.4214	0.2973	526.9678	603.5829	709.2118	409.8410
Guinea Bissau	1998	I	3,2	0.4073	0.2774	436.6445	501.9388	635.9687	335.5565
Guinea Bissau	1999	I	2,2	0.3960	0.2645	426.6316	495.8457	628.7066	332.2552
Guinea Bissau	2000	I	2,2	0.3829	0.2464	417.4542	477.8534	515.1653	472.4142
Guinea Bissau	2001	I	2,2	0.3698	0.2291	457.9404	527.4199	682.3464	667.5864
Guinea Bissau	2002	O	2,2	0.3557	0.2117	457.4148	524.7997	648.5013	646.5554
Guinea Bissau	2003	E	3,2	0.3604	0.2170	408.2890	430.3051	572.3352	546.9410
Guinea Bissau	2004	E	3,2	0.3621	0.2198	465.2306	477.3651	607.1993	646.3542
Guinea Bissau	2005	E	3,2	0.3685	0.2279	448.1192	456.1293	585.3433	565.4625
Guinea Bissau	2006	E	3,3	0.3725	0.2329	463.0052	450.9564	581.5743	588.1112
Guinea Bissau	2007	E	3,3	0.3765	0.2384	466.3193	448.2442	568.0139	598.6352
Guinea Bissau	2008	E	3,3	0.3799	0.2420	488.2469	467.0724	607.7508	650.4030
Guinea Bissau	2009	E	3,3	0.3822	0.2442	465.3683	437.7661	558.8183	588.6641
Guinea Bissau	2010	E	2,1	0.3727	0.2301	451.9233	423.3827	575.5170	619.4041
Kenya	1997	O	3,2	0.4234	0.2973	550.0679	732.4232	986.9090	584.5208
Kenya	1998	I	3,2	0.4301	0.3080	558.9727	709.2419	990.5928	592.1818
Kenya	1999	I	3,2	0.4368	0.3191	560.4292	677.6102	978.5130	601.3208
Kenya	2000	I	3,2	0.4435	0.3305	537.5950	610.2851	904.1200	573.7035
Kenya	2001	I	3,1	0.4500	0.3419	546.1141	576.3130	873.6811	572.9551
Kenya	2002	I	2,2	0.4566	0.3551	533.7965	551.1633	856.6600	561.5968
Kenya	2003	I	2,2	0.4628	0.3675	528.7256	533.3740	846.9791	560.6853
Kenya	2004	I	2,2	0.4435	0.3457	556.0619	524.4093	850.1246	586.2669
Kenya	2005	O	3,2	0.4761	0.3994	530.8636	484.2688	799.7248	564.3849
Kenya	2006	E	3,2	0.4823	0.4061	551.4586	485.3088	794.7391	594.3330
Kenya	2007	E	3,2	0.4892	0.4185	568.8281	491.5773	806.0146	614.0790
Kenya	2008	E	3,2	0.4972	0.4328	533.6526	449.4934	756.6955	567.8932
Kenya	2009	E	3,2	0.5006	0.4383	537.9034	468.6047	773.0361	566.6432

Table S2 Inequality and Welfare

Country	Year	Data	Estimated Inequality			Estimated Welfare			
			Model	Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Kenya	2010	E	3,2	0.4735	0.3890	596.8139	500.8669	870.3675	636.7455
Lesotho	1997	I	3,1	0.5922	0.6987	631.4207	451.2465	622.2218	675.4383
Lesotho	1998	I	3,1	0.5789	0.6596	637.3060	472.6877	626.9322	699.4696
Lesotho	1999	I	3,1	0.5655	0.6232	667.9032	503.4059	680.4209	733.7254
Lesotho	2000	I	3,1	0.5521	0.5890	701.8243	559.3688	738.2598	762.7431
Lesotho	2001	I	3,1	0.5388	0.5569	708.2732	518.3475	731.4092	788.0646
Lesotho	2002	O	3,2	0.5256	0.5272	729.8648	501.3352	720.2399	775.6078
Lesotho	2003	I	3,2 (13)	0.5279	0.5314	742.1155	503.9882	710.6724	757.4662
Lesotho	2004	I	3,2 (13)	0.5299	0.5354	761.6434	542.2955	743.9241	797.8904
Lesotho	2005	I	3,2 (13)	0.5312	0.5385	773.3731	597.7453	800.7497	848.0501
Lesotho	2006	I	3,2 (13)	0.5332	0.5426	776.4494	551.6580	770.7580	859.3921
Lesotho	2007	I	3,2 (13)	0.5352	0.5468	798.3649	618.5790	820.7855	909.9742
Lesotho	2008	I	3,2 (13)	0.5372	0.5510	822.1117	668.7861	832.5137	956.8240
Lesotho	2009	I	3,2 (13)	0.5392	0.5554	888.6881	642.5104	840.8852	979.7994
Lesotho	2010	O	3,2 (13)	0.5416	0.5605	927.4537	694.4268	1043.6957	1061.9652
Madagascar	1997	O	2,2	0.3920	0.2637	404.0768	589.8112	653.9420	464.9058
Madagascar	1998	I	2,2	0.4050	0.2776	401.3658	558.5781	638.6947	477.5696
Madagascar	1999	O	2,2	0.4179	0.2930	397.1018	529.1706	622.6722	470.7888
Madagascar	2000	I	3,1	0.4462	0.3352	382.1384	494.2286	592.7906	461.2773
Madagascar	2001	O	3,1	0.4745	0.3816	361.8434	453.3358	561.4603	438.0461
Madagascar	2002	I	3,1	0.4732	0.3785	341.1006	409.9263	521.4378	422.5925
Madagascar	2003	I	3,1	0.4726	0.3843	361.8372	406.0699	526.3216	442.4914
Madagascar	2004	I	2,2	0.4679	0.3758	364.3748	366.2934	487.9031	449.4910
Madagascar	2005	O	2,2	0.4689	0.3876	359.2674	346.1594	473.5945	427.4334
Madagascar	2006	I	2,2	0.4629	0.3728	358.8399	338.9410	485.7605	435.2467
Madagascar	2007	I	2,2	0.4570	0.3602	354.4309	329.1302	490.0392	410.6763
Madagascar	2008	I	2,2	0.4514	0.3494	370.9761	345.4679	537.3736	429.9059
Madagascar	2009	I	2,2	0.4459	0.3402	365.3294	341.9583	549.7650	421.9245
Madagascar	2010	O	2,2	0.4409	0.3327	358.1239	340.5293	477.3805	415.3118
Malawi	1997	O	2,2	0.5011	0.4325	205.5672	337.3527	518.5799	237.5543
Malawi	1998	I	2,2	0.4849	0.4017	166.2274	261.2650	414.1893	159.5003
Malawi	1999	I	2,2	0.4687	0.3726	186.2644	263.2596	437.6614	179.8324
Malawi	2000	I	2,2	0.4524	0.3449	175.9199	236.3721	402.5844	169.0588
Malawi	2001	I	3,1	0.4374	0.3199	158.4400	205.2402	359.0250	149.5148
Malawi	2002	I	3,1	0.4212	0.2948	219.9298	266.8823	453.2148	312.8206
Malawi	2003	I	3,1	0.4052	0.2713	226.1379	258.9183	455.9088	344.8142
Malawi	2004	O	3,1	0.3894	0.2495	236.0351	250.6182	453.9645	318.4331
Malawi	2005	I	3,1	0.3974	0.2605	240.0599	240.1283	446.0665	313.5352
Malawi	2006	I	3,1	0.4057	0.2725	248.9382	244.5556	456.2437	354.9034
Malawi	2007	I	3,1	0.4140	0.2851	255.8156	248.9698	457.0667	370.0964
Malawi	2008	I	3,1	0.4223	0.2982	256.9079	218.5814	416.0490	361.4763
Malawi	2009	I	3,1	0.4307	0.3122	238.3316	212.7036	443.3353	351.6591
Malawi	2010	O	3,1	0.4393	0.3283	211.7324	184.5079	435.4544	301.6352
Mali	1997	I	3,2	0.4606	0.3640	326.1264	396.6359	457.7736	432.9994
Mali	1998	I	3,2	0.4453	0.3383	344.4453	406.2505	485.2706	417.6845
Mali	1999	I	2,2	0.4279	0.3072	375.0643	431.7299	530.9703	442.4895
Mali	2000	I	2,2	0.4138	0.2860	374.7692	406.4924	509.8768	473.4751
Mali	2001	O	3,2	0.4008	0.2685	399.5766	420.4938	542.8027	498.1743
Mali	2002	I	3,2	0.3984	0.2645	388.1636	402.4408	535.3175	553.3472
Mali	2003	I	3,2	0.3961	0.2610	369.4340	358.5930	485.6258	493.3314
Mali	2004	I	3,2	0.3940	0.2576	415.4712	382.1323	533.0194	550.4012

Table S2 Inequality and Welfare

Country	Year	Data	Model	Estimated Inequality		Estimated Welfare			
				Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Mali	2005	I	3,2	0.3911	0.2544	386.3685	339.3727	482.7863	447.7965
Mali	2006	O	3,2	0.3894	0.2527	391.5975	333.8575	475.1783	483.0821
Mali	2007	I	3,2	0.3747	0.2317	408.7456	333.3799	468.2371	506.3302
Mali	2008	I	3,1	0.3604	0.2133	416.5853	332.1886	451.0828	504.4236
Mali	2009	I	2,2	0.3433	0.1934	431.1915	338.2336	444.7838	523.2261
Mali	2010	O	2,2	0.3302	0.1771	442.2689	326.0065	440.4192	543.5264
Mauritania	1997	I	2,2	0.3801	0.2450	658.2989	723.9464	995.7421	593.8284
Mauritania	1998	I	3,2	0.3827	0.2467	659.4917	707.2652	960.4482	670.0366
Mauritania	1999	I	3,2	0.3867	0.2508	669.0128	691.9660	938.6866	703.2022
Mauritania	2000	O	3,2	0.3905	0.2549	663.2315	649.5960	883.2320	692.8469
Mauritania	2001	I	3,1	0.3955	0.2608	641.9083	621.3556	832.8384	665.1110
Mauritania	2002	I	3,1	0.4009	0.2678	653.4298	610.9899	818.0260	685.5429
Mauritania	2003	I	3,2	0.4057	0.2737	666.0323	577.0084	760.5902	710.8894
Mauritania	2004	O	3,2	0.4106	0.2800	647.6150	538.9245	698.1354	686.7984
Mauritania	2005	I	2,2	0.4095	0.2804	667.3008	519.7396	669.8725	707.3090
Mauritania	2006	I	3,2	0.4089	0.2804	681.7185	601.2825	783.2836	773.7024
Mauritania	2007	I	3,2	0.4048	0.2752	710.2321	590.7201	775.6491	776.4453
Mauritania	2008	O	3,2	0.4032	0.2743	711.7967	548.4556	766.8876	766.9966
Mauritania	2009	E	3,3	0.4304	0.3159	771.5337	636.4993	832.6395	811.5323
Mauritania	2010	E	2,1	0.4095	0.2845	951.6974	813.4424	982.4212	1224.9082
Mozambique	1997	I	3,2	0.4495	0.3420	210.9511	237.8645	354.6821	257.1876
Mozambique	1998	I	3,2	0.4530	0.3485	216.4096	239.9963	365.3669	267.1099
Mozambique	1999	I	2,2	0.4564	0.3548	223.2794	241.3040	373.2564	278.9464
Mozambique	2000	I	3,2	0.4614	0.3623	214.3397	222.9008	335.1309	256.8682
Mozambique	2001	I	3,2	0.4657	0.3694	212.0367	209.2851	324.0034	247.9910
Mozambique	2002	O	3,2	0.4700	0.3765	274.0680	259.8400	390.9592	326.8406
Mozambique	2003	I	2,2	0.4664	0.3732	284.5515	258.2858	386.2140	331.2609
Mozambique	2004	I	2,2	0.4640	0.3711	293.2620	265.5674	404.0200	339.4468
Mozambique	2005	I	2,2	0.4618	0.3696	308.1013	279.2358	426.1044	359.0886
Mozambique	2006	I	3,1	0.4586	0.3812	316.7076	279.4146	426.9519	370.0056
Mozambique	2007	O	3,1	0.4558	0.3835	334.3436	283.6125	436.4309	387.8367
Mozambique	2008	E	3,2	0.4655	0.3793	350.5142	296.2689	437.3264	412.1857
Mozambique	2009	E	3,2	0.4717	0.3895	355.1317	300.5904	433.0286	405.3837
Mozambique	2010	E	3,2	0.4390	0.3362	437.1978	342.0903	461.9783	455.5664
Namibia	1997	I	3,2	0.6947	0.9299	756.0570	859.7906	1220.1578	714.4214
Namibia	1998	I	3,2	0.6846	0.8908	791.8547	871.9262	1238.1761	760.7337
Namibia	1999	I	3,2	0.6745	0.8541	812.6687	870.6089	1238.4885	759.4973
Namibia	2000	I	3,2	0.6645	0.8196	859.0682	940.0950	1320.8975	938.8302
Namibia	2001	I	3,2	0.6546	0.7870	933.0878	1023.9051	1441.6826	1047.3098
Namibia	2002	I	3,2	0.6447	0.7563	932.1326	992.8093	1425.7919	1035.0906
Namibia	2003	O	3,2	0.6352	0.7280	1020.9597	1069.4767	1528.0563	1102.6570
Namibia	2004	I	3,2	0.6305	0.7149	1042.7676	1085.5305	1555.6456	1111.6528
Namibia	2005	I	3,3	0.6256	0.7020	1050.6311	1040.1530	1513.2520	1154.6279
Namibia	2006	I	3,3	0.6216	0.6911	1147.8922	1086.9653	1612.4459	1310.9968
Namibia	2007	I	3,3	0.6175	0.6804	1224.5758	1132.9625	1581.3008	1365.8937
Namibia	2008	I	3,3	0.6134	0.6697	1308.5471	1211.7070	1765.4992	1564.4833
Namibia	2009	I	3,2	0.6099	0.6608	1417.9776	1299.9075	2059.7046	1692.6139
Namibia	2010	E	3,3	0.6079	0.6558	1400.9210	1212.0649	1917.5988	1702.6690
Niger	1997	I	3,2	0.4204	0.2947	218.4133	243.8556	338.0699	281.3700
Niger	1998	I	2,2	0.4226	0.3009	238.8993	260.8696	359.5082	300.3325
Niger	1999	I	2,2	0.4246	0.3041	241.1467	254.7385	351.7153	304.5087

Table S2 Inequality and Welfare

Country	Year	Data	Model	Estimated Inequality		Estimated Welfare			
				Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Niger	2000	I	2,2	0.4266	0.3074	224.0389	234.3565	317.3701	289.4313
Niger	2001	I	2,2	0.4287	0.3107	230.5500	238.2396	319.0044	292.5118
Niger	2002	I	2,2	0.4310	0.3146	233.5418	236.5579	316.4196	290.1206
Niger	2003	I	2,2	0.4337	0.3188	237.9647	236.1473	312.1982	306.1978
Niger	2004	I	2,2	0.4364	0.3234	234.4753	225.4979	305.8670	306.1369
Niger	2005	O	2,2	0.4365	0.3234	223.8946	217.0169	293.9278	279.6015
Niger	2006	I	2,2	0.3913	0.2540	241.5840	226.4879	303.0245	295.1617
Niger	2007	O	2,2	0.3444	0.1930	262.1340	241.5188	323.2411	321.2566
Niger	2008	I	3,1	0.3396	0.1867	267.8104	234.5231	327.9161	325.4975
Niger	2009	I	3,2	0.3337	0.1796	265.3752	229.3244	317.3139	334.6597
Niger	2010	I	3,2	0.3197	0.1657	259.6788	219.6494	301.2876	343.3719
Nigeria	1997	I	3,1	0.4588	0.3632	478.1636	514.7125	1211.0180	644.5304
Nigeria	1998	I	3,1	0.4539	0.3560	472.5716	486.3752	1190.1247	534.0959
Nigeria	1999	I	3,1	0.4490	0.3489	428.7824	284.7986	839.4578	525.2996
Nigeria	2000	I	3,1	0.4441	0.3419	438.6811	266.6911	813.4004	718.4991
Nigeria	2001	I	3,1	0.4392	0.3350	652.3067	725.9669	1430.2901	1071.8429
Nigeria	2002	I	3,1	0.4343	0.3282	652.0070	463.7027	1412.6044	877.7850
Nigeria	2003	O	3,2	0.4295	0.3215	754.8153	616.2900	1689.2919	1053.3905
Nigeria	2004	I	2,2	0.4388	0.3359	676.6312	450.5121	1493.4851	847.8904
Nigeria	2005	I	2,2	0.4487	0.3514	632.3876	604.5361	1424.2632	713.0143
Nigeria	2006	I	2,2	0.4585	0.3669	475.2438	279.2992	1013.2537	481.3335
Nigeria	2007	I	2,2	0.4682	0.3827	754.2966	639.1120	1599.8598	947.0358
Nigeria	2008	I	2,2	0.4778	0.3988	599.0019	357.4396	1204.6783	660.4351
Nigeria	2009	O	2,2	0.4875	0.4155	763.7019	681.2747	1523.0451	884.5838
Nigeria	2010	I	2,2	0.4432	0.3398	582.8926	870.3841	1439.2319	1290.3576
Rawanda	1997	E	2,2	0.50603	0.43749	260.3427	335.4406	411.2082	376.7491
Rawanda	1998	E	2,2	0.50793	0.44144	259.4192	309.6421	391.5729	354.2825
Rawanda	1999	E	2,2	0.5097	0.4452	259.7445	280.9520	364.9138	311.8810
Rawanda	2000	O	2,2	0.5114	0.4489	255.3271	265.2647	363.0544	290.0177
Rawanda	2001	I	3,2	0.5168	0.4592	262.6716	252.9022	345.8680	295.7251
Rawanda	2002	I	3,2	0.5196	0.4638	288.1220	258.2707	358.8120	323.5556
Rawanda	2003	I	3,2	0.5147	0.4548	262.7037	229.7543	323.7227	277.4926
Rawanda	2004	I	3,2	0.5254	0.4740	265.2834	226.6969	323.8501	285.9979
Rawanda	2005	O	3,2	0.5283	0.4794	279.3941	235.9469	345.4498	304.6070
Rawanda	2006	I	3,2	0.5238	0.4694	314.6809	256.4961	359.1385	359.2757
Rawanda	2007	I	3,2	0.5194	0.4600	332.2835	262.7061	362.2765	383.0713
Rawanda	2008	I	3,2	0.5150	0.4505	341.1350	258.6787	394.4486	381.3113
Rawanda	2009	I	3,2	0.5104	0.4409	380.8575	290.2413	416.7679	431.8786
Rawanda	2010	O	3,2	0.5058	0.4315	402.5673	300.7172	425.0906	457.0846
Senegal	1997	I	3,2	0.4115	0.2796	578.9295	829.0734	915.4610	655.9106
Senegal	1998	I	3,2	0.4112	0.2792	607.0670	842.2884	954.2097	701.5404
Senegal	1999	I	3,2	0.4113	0.2794	620.2305	818.3496	955.8977	721.8173
Senegal	2000	I	3,2	0.4085	0.2729	627.9736	762.1067	914.6158	730.2030
Senegal	2001	O	3,2	0.4078	0.2712	642.1303	753.5307	927.2968	732.7953
Senegal	2002	I	3,2	0.4074	0.2769	654.2165	730.6917	920.8769	753.5400
Senegal	2003	I	3,2	0.4058	0.3304	674.6672	730.9197	936.6243	795.1313
Senegal	2004	I	3,2	0.3996	0.3343	692.0201	719.2797	938.8003	798.1315
Senegal	2005	O	3,2	0.3926	0.2652	715.8198	708.1326	946.1223	819.6156
Senegal	2006	I	3,1	0.3935	0.2817	728.3491	703.2110	928.6312	832.7956
Senegal	2007	I	3,1	0.3955	0.2871	743.8756	701.1159	918.6021	853.2568
Senegal	2008	I	3,1	0.3974	0.2925	742.9657	683.0706	921.2816	861.1293

Table S2 Inequality and Welfare

Country	Year	Data	Model	Estimated Inequality		Estimated Welfare			
				Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Senegal	2009	I	3,1	0.3994	0.2982	750.7371	711.5300	936.6617	892.4523
Senegal	2010	I	3,1	0.4014	0.3035	729.3780	679.3290	909.5777	883.3206
Sierra Leone	1997	I	2,2	0.5126	0.4638	258.1171	308.0307	374.0704	193.6915
Sierra Leone	1998	I	3,2	0.4959	0.4265	254.5148	279.9783	353.0106	181.2144
Sierra Leone	1999	I	3,2	0.4827	0.4051	245.3692	244.6788	314.6952	148.0956
Sierra Leone	2000	I	3,2	0.4682	0.3743	301.0025	265.6951	352.4312	217.2538
Sierra Leone	2001	I	3,2	0.4533	0.3459	353.6522	314.4269	425.0268	377.7453
Sierra Leone	2002	I	2,2	0.4376	0.3182	406.4821	365.6099	501.1752	445.6947
Sierra Leone	2003	O	2,2	0.4242	0.2973	516.6429	373.0528	519.3166	463.1431
Sierra Leone	2004	I	3,2	0.4149	0.2831	492.3133	369.0319	525.1654	471.8747
Sierra Leone	2005	I	2,2	0.4065	0.2714	419.6360	361.0281	517.4487	465.6737
Sierra Leone	2006	I	3,2	0.3973	0.2581	336.2242	354.6031	509.8491	472.4433
Sierra Leone	2007	I	2,2	0.3893	0.2487	354.1572	372.0695	534.7835	500.2250
Sierra Leone	2008	I	3,2	0.3801	0.2368	337.8791	383.0302	552.9015	533.1137
Sierra Leone	2009	I	2,2	0.3713	0.2257	357.6392	413.0714	576.5253	587.8198
Sierra Leone	2010	I	2,2	0.3624	0.2150	352.8779	387.3085	490.2816	522.2632
South Africa	1997	I	3,2	0.5696	0.5795	1761.4232	2017.9143	2883.4229	1889.2818
South Africa	1998	I	3,2	0.5721	0.5882	1741.7258	1964.7489	2804.9763	1872.8410
South Africa	1999	I	3,2	0.5745	0.5974	1729.9003	1935.6240	2776.5805	1848.5435
South Africa	2000	I	3,2	0.5770	0.6069	1762.6244	1917.1043	2741.0293	1874.8037
South Africa	2001	O	3,2	0.5955	0.6484	1728.3501	1843.4812	2632.6960	1829.1517
South Africa	2002	I	3,2	0.6140	0.6926	1693.6319	1745.2642	2484.0808	1799.4269
South Africa	2003	I	3,2	0.6325	0.7399	1637.1834	1669.2067	2354.4420	1724.6131
South Africa	2004	I	3,2	0.6510	0.7904	1633.5383	1615.5668	2284.7715	1726.1810
South Africa	2005	O	3,2	0.6696	0.8449	1617.7573	1576.7082	2227.7781	1724.3455
South Africa	2006	I	3,2	0.6563	0.8063	1806.6105	1708.3907	2372.2481	1958.8447
South Africa	2007	I	3,2	0.6428	0.7688	1927.0330	1802.2077	2513.5283	2133.2415
South Africa	2008	O	3,2	0.6301	0.7353	2021.6482	1851.5158	2562.1804	2236.3238
South Africa	2009	I	3,3	0.6389	0.7621	1925.1817	1791.7731	2442.3428	2154.0568
South Africa	2010	O	3,3	0.6487	0.7926	1957.4816	1801.0078	2456.3578	2233.5820
Swaziland	1997	I	3,2	0.5536	0.5480	1176.2728	1665.5365	2534.3378	1335.2921
Swaziland	1998	I	3,2	0.5373	0.5101	1267.2059	1683.7319	2605.2711	1490.7351
Swaziland	1999	I	3,1	0.5195	0.4718	1337.2881	1702.8595	2695.7368	1587.4967
Swaziland	2000	O	3,1	0.5038	0.4397	1394.9385	1733.8165	2795.8490	1758.2360
Swaziland	2001	I	3,1	0.5049	0.4421	1325.7367	1604.0210	2679.0056	1690.1227
Swaziland	2002	I	3,1	0.5060	0.4445	1235.9908	1578.4352	2690.0786	1601.7170
Swaziland	2003	I	2,2	0.5087	0.4500	1190.6298	1334.1791	2544.6753	1573.8662
Swaziland	2004	I	2,2	0.5095	0.4518	1275.6610	1280.1077	2539.5385	1712.7473
Swaziland	2005	I	2,2	0.5104	0.4537	1313.6038	1435.8975	2539.4858	1780.8912
Swaziland	2006	I	2,2	0.5112	0.4556	1354.9497	1557.1304	2400.2414	1857.9901
Swaziland	2007	I	2,2	0.5120	0.4574	1372.5748	1714.6178	2342.2861	2143.2474
Swaziland	2008	I	2,2	0.5130	0.4596	1543.2091	1837.2718	2423.1795	2269.4696
Swaziland	2009	O	3,2	0.5139	0.4619	1587.4817	1908.0470	2443.8211	2291.3263
Swaziland	2010	E	3,2	0.4896	0.4143	1639.0250	1926.1726	2690.2883	2252.1310
Tanzania	1997	I	3,2	0.3433	0.1964	318.7270	425.5565	567.3388	297.8944
Tanzania	1998	I	3,2	0.3438	0.1961	337.5936	440.0400	600.4998	361.8426
Tanzania	1999	I	3,2	0.3459	0.1984	342.6472	428.6997	601.0568	368.8501
Tanzania	2000	O	3,2	0.3460	0.1987	338.4898	401.9240	576.5204	366.3775
Tanzania	2001	I	3,2	0.3509	0.2043	339.8515	382.9717	564.9161	372.2199
Tanzania	2002	I	3,2	0.3541	0.2082	349.6973	377.2212	570.9365	391.9636
Tanzania	2003	I	2,2	0.3587	0.2143	349.3413	352.6761	549.0765	386.0554

Table S2 Inequality and Welfare

Country	Year	Data	Model	Estimated Inequality		Estimated Welfare			
				Gini	Theil 0	PWT7	PWT8	PWT9	UQICD
Tanzania	2004	I	2,2	0.3629	0.2197	362.2720	343.2431	549.1841	405.7396
Tanzania	2005	I	2,2	0.3671	0.2251	392.5702	348.0919	574.0834	456.1861
Tanzania	2006	I	2,2	0.3713	0.2307	413.8919	339.1288	559.9909	469.4050
Tanzania	2007	O	2,2	0.3756	0.2366	427.7920	331.7580	547.6968	476.7694
Tanzania	2008	I	3,2	0.3763	0.2354	438.8708	335.1295	603.6486	482.7879
Tanzania	2009	I	2,2	0.3762	0.2337	445.0553	346.2461	658.1257	479.6386
Tanzania	2010	I	2,2	0.3759	0.2323	480.6706	357.0065	699.2455	512.7141
Uganda	1997	I	3,2	0.3912	0.2533	404.1239	379.7826	566.9746	352.8815
Uganda	1998	I	3,2	0.4112	0.2819	414.2708	377.8237	565.2214	377.7442
Uganda	1999	O	2,2	0.4294	0.3089	415.1725	369.6053	553.2310	366.3919
Uganda	2000	I	2,2	0.4425	0.3303	421.8909	362.5077	539.6411	393.0726
Uganda	2001	I	2,1	0.4529	0.3456	422.0001	370.9665	551.0585	396.4618
Uganda	2002	O	2,2	0.4547	0.3471	418.1031	365.7985	542.4533	387.9919
Uganda	2003	I	2,1	0.4459	0.3337	422.2365	355.8917	528.0452	379.5613
Uganda	2004	I	2,1	0.4379	0.3216	431.1579	353.0009	523.8927	435.4860
Uganda	2005	O	3,2	0.4251	0.2994	450.2708	368.0742	545.8053	399.8260
Uganda	2006	I	3,2	0.4290	0.3060	486.8349	391.6671	577.0891	429.9497
Uganda	2007	I	3,1	0.4338	0.3143	475.7352	376.1809	555.9859	421.5249
Uganda	2008	I	2,2	0.4397	0.3242	486.6841	379.1843	557.6854	385.8560
Uganda	2009	O	2,2	0.4416	0.3277	518.6773	408.6468	640.2758	477.4966
Uganda	2010	E	3,1	0.4224	0.2990	523.2962	464.1627	675.9387	540.9799
Zambia	1997	I	3,1	0.5162	0.4815	380.5133	493.3201	612.8381	391.7988
Zambia	1998	I	3,1	0.5344	0.5331	357.1367	432.5901	573.6631	353.4358
Zambia	1999	I	3,1	0.5052	0.4568	366.1246	427.6883	606.7379	332.4184
Zambia	2000	I	2,2	0.4768	0.3951	403.4695	464.7236	641.5656	420.0354
Zambia	2001	I	3,2	0.4489	0.3427	360.0970	403.4986	686.6933	436.5700
Zambia	2002	O	3,2	0.4200	0.2968	405.9562	429.6107	688.9942	484.1249
Zambia	2003	I	2,2	0.4637	0.3733	360.5055	354.4240	519.8014	396.7704
Zambia	2004	O	2,2	0.5077	0.4771	391.9184	361.9825	554.6991	401.1954
Zambia	2005	I	2,2	0.5267	0.4992	373.7737	332.3902	495.6279	364.4836
Zambia	2006	O	3,2	0.5454	0.5265	418.7778	366.9924	549.2247	440.5949
Zambia	2007	I	3,2	0.5528	0.5413	486.4260	421.1106	681.4118	738.0045
Zambia	2008	I	3,2	0.5582	0.5504	464.3819	385.2661	556.0340	641.1474
Zambia	2009	I	3,2	0.5663	0.5677	480.8504	381.1146	563.2785	614.3852
Zambia	2010	O	3,2	0.5732	0.5820	515.3692	469.0579	770.6496	845.4841

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Angola	1997	E	0.6422	1.0768	0.9505	1.4707	0.6877	0.7500	0.2996	0.7270
Angola	1998	E	1.1603	1.0987	3.2233	1.4418	0.5151	0.5501	0.5826	0.5727
Angola	1999	E	0.6525	1.1057	0.7450	1.4163	0.6095	0.6904	0.2045	0.5749
Angola	2000	O	0.9201	1.1225	1.5199	1.5024	0.6181	0.7101	0.5192	0.7361
Angola	2001	I	1.2643	1.1440	1.6926	1.5013	0.4591	0.5302	0.3651	0.4785
Angola	2002	I	1.1452	1.1597	1.6189	1.4635	0.4328	0.5575	0.3569	0.4045
Angola	2003	I	1.0400	1.1832	1.0160	1.3937	0.3181	0.5077	0.3080	0.3106
Angola	2004	I	1.0461	1.2140	1.0637	1.3256	0.2821	0.5201	0.3096	0.2813
Angola	2005	I	1.2500	1.2500	1.2500	1.2500	0.2785	0.5801	0.3570	0.3120
Angola	2006	I	1.1322	1.2840	1.1458	1.4492	0.2265	0.6064	0.2741	0.2331
Angola	2007	I	1.6782	1.3187	1.4375	1.5722	0.1731	0.4777	0.3194	0.1659
Angola	2008	O	1.6193	1.3616	1.5549	1.6179	0.0914	0.4174	0.2826	0.0898
Angola	2009	E	2.0874	1.3623	1.8513	1.5383	0.0718	0.2403	0.3029	0.0960
Angola	2010	E	1.7210	1.3884	1.5481	1.3907	0.0265	0.1758	0.1428	0.0269
Burnika Faso	1997	I	1.0445	1.0678	1.0740	2.2018	0.7017	0.1141	0.5066	0.5859
Burnika Faso	1998	O	1.0587	1.0779	1.0823	2.2155	0.6572	0.6742	0.4342	0.5293
Burnika Faso	1999	I	1.0688	1.0952	1.0983	2.1351	0.5873	0.6051	0.3402	0.4550
Burnika Faso	2000	I	1.0922	1.1225	1.1257	1.9470	0.5800	0.6269	0.3707	0.4524
Burnika Faso	2001	I	1.1253	1.1440	1.1477	1.8926	0.5608	0.6047	0.3345	0.4447
Burnika Faso	2002	I	1.1426	1.1597	1.1635	1.8234	0.5447	0.5873	0.3170	0.4044
Burnika Faso	2003	O	1.1767	1.1832	1.1866	1.6865	0.5025	0.5343	0.2616	0.3362
Burnika Faso	2004	I	1.2050	1.2140	1.2154	1.4999	0.4907	0.5450	0.2800	0.3276
Burnika Faso	2005	I	1.2500	1.2500	1.2500	1.2500	0.4670	0.5299	0.2704	0.3165
Burnika Faso	2006	I	1.2884	1.2840	1.2573	1.4807	0.4672	0.5599	0.3059	0.3361
Burnika Faso	2007	I	1.3245	1.3187	1.2611	1.6139	0.4710	0.5804	0.3248	0.3357
Burnika Faso	2008	I	1.3648	1.3616	1.2734	1.7026	0.4247	0.5517	0.2964	0.2924
Burnika Faso	2009	O	1.4937	1.3623	1.2477	1.6397	0.4411	0.5509	0.2991	0.3045
Burnika Faso	2010	E	1.5605	1.5064	1.2410	1.4863	0.4362	0.5472	0.2740	0.2439
Burundi	1997	I	0.6665	0.8282	1.0481	1.0986	0.5683	0.5148	0.5284	0.6798
Burundi	1998	O	0.6652	0.6739	1.0562	1.0726	0.5082	0.4592	0.4924	0.5980
Burundi	1999	I	0.6956	0.7191	1.0718	1.0808	0.5721	0.5161	0.5483	0.6710
Burundi	2000	I	0.7593	0.7955	1.0986	1.3183	0.6062	0.5655	0.6160	0.6214
Burundi	2001	I	0.7942	0.8107	1.1201	1.3023	0.6365	0.6108	0.6633	0.6209
Burundi	2002	I	0.7962	0.8219	1.1355	1.1049	0.6266	0.6103	0.6699	0.6034
Burundi	2003	I	0.8080	0.8386	1.1581	0.9448	0.6533	0.6586	0.7206	0.6171
Burundi	2004	I	0.8343	0.8604	1.1862	0.9716	0.6686	0.6815	0.7426	0.6230
Burundi	2005	I	1.2500	1.2500	1.2500	1.2500	0.8249	0.8447	0.7394	0.7764
Burundi	2006	O	1.2483	1.2463	1.1754	1.3910	0.7885	0.8254	0.7042	0.7210
Burundi	2007	E	1.2689	1.2608	1.1038	1.4122	0.7741	0.8131	0.7048	0.7191
Burundi	2008	E	1.5407	1.2920	1.0760	1.4265	0.8636	0.8096	0.6638	0.6901
Burundi	2009	E	1.4419	1.3582	1.0999	1.4021	0.8404	0.8403	0.6141	0.6399
Burundi	2010	E	1.5096	1.4306	1.2173	1.4262	0.8596	0.8594	0.6376	0.6343
Cameroon	1997	I	1.0542	1.1485	1.1476	1.3378	0.1443	0.0490	0.0285	0.1294
Cameroon	1998	I	1.0663	1.1485	1.1466	1.3515	0.1383	0.0559	0.0308	0.1241
Cameroon	1999	I	1.0783	1.1562	1.1537	1.3150	0.1325	0.0637	0.0326	1.0000
Cameroon	2000	I	1.1009	1.1741	1.1727	1.2751	0.1285	0.0771	0.0395	0.1100
Cameroon	2001	O	1.1284	1.1857	1.1857	1.2573	0.1210	0.0839	0.0399	0.1084
Cameroon	2002	I	1.1445	1.1911	1.1921	1.2463	0.1218	0.1014	0.0460	0.1098
Cameroon	2003	I	1.1843	1.2044	1.1896	1.2279	0.1084	0.0983	0.0393	0.0937
Cameroon	2004	I	1.2081	1.2248	1.2253	1.2288	0.1009	0.1060	0.0418	0.0899
Cameroon	2005	I	1.2500	1.2500	1.2500	1.2500	0.0952	0.1164	0.0423	0.0852

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Cameroon	2006	I	1.2872	1.2840	1.2933	1.2685	0.0879	0.1157	0.0416	0.0760
Cameroon	2007	O	1.3280	1.3187	1.3358	1.2974	0.0754	0.1235	0.0293	0.0646
Cameroon	2008	E	1.3793	1.3616	1.3873	1.3544	0.0748	0.1307	0.0371	0.0679
Cameroon	2009	E	1.3750	1.3623	1.3971	1.3795	0.0717	0.1250	0.0343	0.0858
Cameroon	2010	E	1.3868	1.3884	1.4315	1.4384	0.0575	0.0965	0.0329	0.0639
Central African Republic	1997	I	1.0894	1.0678	1.0740	1.9030	0.6852	0.6118	0.4928	0.5962
Central African Republic	1998	I	1.0669	1.0779	1.0823	1.8431	0.6591	0.5871	0.4595	0.5623
Central African Republic	1999	I	1.1018	1.0952	1.0983	1.7397	0.6717	0.6067	0.4756	0.5789
Central African Republic	2000	I	1.1207	1.1225	1.1257	1.6167	0.6537	0.5931	0.4582	0.5515
Central African Republic	2001	I	1.1415	1.1440	1.1477	1.5723	0.6353	0.5759	0.4333	0.5238
Central African Republic	2002	I	1.1575	1.1597	1.1635	1.5322	0.6393	0.5852	0.4405	0.5235
Central African Republic	2003	O	1.1815	1.1832	1.1866	1.4934	0.6690	0.6149	0.4651	0.5349
Central African Republic	2004	I	1.2083	1.2140	1.2154	1.4018	0.6576	0.6146	0.4671	0.5244
Central African Republic	2005	I	1.2500	1.2500	1.2500	1.2500	0.6718	0.6375	0.4948	0.5435
Central African Republic	2006	I	1.2617	1.2840	1.2757	1.4028	0.6858	0.6645	0.5147	0.5629
Central African Republic	2007	I	1.3084	1.3187	1.3385	1.5034	0.6937	0.6837	0.5419	0.5790
Central African Republic	2008	O	1.3687	1.3616	1.3293	1.5824	0.6967	0.6899	0.5490	0.5701
Central African Republic	2009	E	1.3933	1.3623	1.3365	1.6100	0.7105	0.7082	0.5712	0.6033
Central African Republic	2010	E	1.4445	1.3884	1.3452	1.5736	0.6907	0.7026	0.5481	0.5738
Ethiopia	1997	I	1.0516	1.2040	1.2652	1.2484	0.7738	0.7117	0.5702	0.7393
Ethiopia	1998	I	1.0662	1.1964	1.2298	1.2008	0.8139	0.7869	0.6520	0.7670
Ethiopia	1999	O	1.0741	1.1968	1.2052	1.1405	0.7924	0.7912	0.6417	0.7221
Ethiopia	2000	I	1.0987	1.2080	1.1945	1.2650	0.8422	0.8466	0.7223	0.8223
Ethiopia	2001	I	1.1274	1.2126	1.2639	1.2815	0.8132	0.8440	0.7212	0.7905
Ethiopia	2002	I	1.1415	1.2111	1.1969	1.3214	0.8200	0.8515	0.7248	0.8207
Ethiopia	2003	I	1.1792	1.2177	1.2148	1.2132	0.8368	0.8935	0.7978	0.8424
Ethiopia	2004	I	1.2087	1.2314	1.2746	1.1774	0.8343	0.8993	0.7990	0.8350
Ethiopia	2005	O	1.2500	1.2500	1.2500	1.2500	0.6957	0.8186	0.6626	0.6506
Ethiopia	2006	I	1.2862	1.2840	1.1989	1.2302	0.6249	0.7671	0.6005	0.5661
Ethiopia	2007	I	1.3273	1.3187	1.3121	1.2343	0.5552	0.7087	0.5367	0.4484
Ethiopia	2008	I	1.3786	1.3530	1.3827	1.3241	0.4824	0.6504	0.4917	0.3981
Ethiopia	2009	I	1.4034	1.3651	1.2494	1.3088	0.4178	0.5465	0.3843	0.3097
Ethiopia	2010	O	1.4271	1.4031	1.3110	1.2634	0.3591	0.4940	0.3576	0.2655
Gambia	1997	E	1.0883	1.0957	1.2286	2.2543	0.4673	0.4364	0.3392	0.4619
Gambia	1998	O	1.1052	1.0956	1.2308	2.2558	0.3767	0.3638	0.2406	0.4120
Gambia	1999	I	1.1190	1.1292	1.2607	2.2116	0.3550	0.3825	0.2367	0.3926
Gambia	2000	I	1.1406	1.1623	1.2966	2.1393	0.3155	0.3614	0.2153	0.3461
Gambia	2001	I	1.2353	1.1536	1.3087	1.9205	0.3617	0.4304	0.2566	0.4129
Gambia	2002	I	0.9078	1.1694	0.9345	1.6288	0.1852	0.4335	0.2498	0.2348
Gambia	2003	O	1.3518	1.1931	1.3839	1.4421	0.3497	0.4859	0.3112	0.4241
Gambia	2004	E	1.2183	1.2242	1.2179	1.3148	0.2891	0.3951	0.2249	0.2329
Gambia	2005	E	1.2500	1.2500	1.2500	1.2500	0.3010	0.4123	0.1997	0.2057
Gambia	2006	E	1.3030	1.3016	1.2486	1.2578	0.3135	0.4339	0.1992	0.2019
Gambia	2007	E	1.3419	1.3348	1.2454	1.2851	0.3158	0.4436	0.2283	0.2211
Gambia	2008	E	1.4797	1.4665	1.2497	1.3181	0.3471	0.4840	0.2267	0.2305
Gambia	2009	E	1.4641	1.4366	1.2191	1.2810	0.3510	0.4771	0.2392	0.2548
Gambia	2010	E	1.4155	1.3996	1.2067	1.2638	0.2944	0.4346	0.1690	0.1782
Ghana	1997	I	1.0473	1.0547	1.0053	1.5629	0.1830	0.1251	0.0414	0.3087
Ghana	1998	O	1.0628	1.0650	1.0130	1.5577	0.1929	0.1357	0.0464	0.3452
Ghana	1999	I	1.0707	1.0825	1.0280	1.5081	0.1273	0.0909	0.0280	0.1904
Ghana	2000	I	1.1022	1.1090	1.0208	1.4700	0.1713	0.1558	0.0529	0.2995

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Ghana	2001	I	1.1339	1.1298	1.0193	1.4604	0.2052	0.1911	0.0681	0.3887
Ghana	2002	I	1.1381	1.1462	1.0913	1.4301	0.1644	0.1478	0.0580	0.3055
Ghana	2003	I	1.1756	1.1691	1.0799	1.3556	0.1595	0.1431	0.0528	0.2853
Ghana	2004	I	1.2080	1.2140	1.1460	1.2935	0.1371	0.1348	0.0539	0.2286
Ghana	2005	O	1.2500	1.2500	1.2500	1.2500	0.1264	0.1258	0.0587	0.2323
Ghana	2006	E	1.2862	1.2840	1.2285	1.3685	0.1404	0.1423	0.0683	0.1123
Ghana	2007	E	1.3235	1.3057	1.2074	1.4381	0.1362	0.1487	0.0724	0.1105
Ghana	2008	E	1.3799	1.3481	1.1952	1.4598	0.1201	0.1351	0.0700	0.1012
Ghana	2009	E	1.4111	1.4266	1.1489	1.3862	0.1347	0.1507	0.0744	0.1072
Ghana	2010	E	1.4316	1.5398	1.1257	1.3043	0.0907	0.1095	0.0489	0.0674
Guinea	1997	I	1.0307	1.8694	1.8145	2.0068	0.5298	0.3694	0.2419	0.4404
Guinea	1998	I	1.0342	1.7302	1.6383	1.8159	0.4735	0.3466	0.2052	0.3156
Guinea	1999	I	1.0526	1.6230	1.5060	1.7712	0.4746	0.3657	0.1963	0.3323
Guinea	2000	I	1.0778	1.5448	1.3951	1.7800	0.4639	0.3806	0.1976	0.2934
Guinea	2001	I	1.1121	1.4696	1.3096	1.8068	0.4544	0.3889	0.1937	0.3331
Guinea	2002	I	1.1200	1.3968	1.2302	1.8371	0.4409	0.4136	0.2014	0.3217
Guinea	2003	O	1.1631	1.3414	1.3489	1.6925	0.5029	0.4806	0.3237	0.4308
Guinea	2004	I	1.2088	1.2999	1.2932	1.5105	0.5049	0.5054	0.3271	0.4381
Guinea	2005	I	1.2500	1.2500	1.2500	1.2500	0.5310	0.6145	0.3560	0.4717
Guinea	2006	I	1.4706	1.2840	1.2207	1.4727	0.6027	0.5661	0.3765	0.5271
Guinea	2007	O	1.4274	1.3187	1.4269	1.7133	0.5199	0.5704	0.4011	0.5599
Guinea	2008	E	1.4290	1.3616	1.7329	1.8706	0.5687	0.5764	0.4614	0.5964
Guinea	2009	E	0.9664	1.3623	1.4295	1.8383	0.5114	0.6280	0.4048	0.5931
Guinea	2010	E	0.9257	1.3884	1.4047	1.7124	0.4066	0.5934	0.3179	0.4599
Guinea Bissau	1997	I	1.0510	1.0678	1.1837	3.1201	0.2946	0.2250	0.1551	0.4400
Guinea Bissau	1998	I	1.0619	1.0779	1.1275	2.9885	0.3982	0.3159	0.1952	0.5612
Guinea Bissau	1999	I	1.0745	1.0952	1.2202	2.8827	0.4085	0.3162	0.1922	0.5690
Guinea Bissau	2000	I	1.1018	1.1225	1.4294	2.6368	0.4214	0.3355	0.2907	0.3425
Guinea Bissau	2001	I	1.1267	1.1440	1.1338	2.4573	0.3598	0.2737	0.1486	0.1574
Guinea Bissau	2002	O	1.1419	1.1597	1.1726	2.4599	0.3572	0.2720	0.1647	0.1660
Guinea Bissau	2003	E	1.1800	1.1832	1.1894	2.2172	0.4400	0.4051	0.2277	0.2534
Guinea Bissau	2004	E	1.2077	1.2140	1.2560	1.8209	0.3535	0.3369	0.1960	0.1658
Guinea Bissau	2005	E	1.2500	1.2500	1.2500	1.2500	0.3790	0.3675	0.2173	0.2361
Guinea Bissau	2006	E	1.2648	1.2628	1.2923	1.5555	0.3554	0.3729	0.2193	0.2135
Guinea Bissau	2007	E	1.2902	1.2823	1.3336	1.7328	0.3513	0.3773	0.2328	0.2056
Guinea Bissau	2008	E	1.3360	1.3194	1.3839	1.8523	0.3228	0.3517	0.1969	0.1653
Guinea Bissau	2009	E	1.4101	1.3800	1.3931	1.7942	0.3554	0.3971	0.2405	0.2119
Guinea Bissau	2010	E	1.4725	1.4544	1.4229	1.5742	0.3711	0.4147	0.2258	0.1888
Kenya	1997	O	1.0781	1.2464	1.2454	1.2796	0.2885	0.1622	0.0589	0.2604
Kenya	1998	I	1.0856	1.2324	1.2305	1.3642	0.2812	0.1763	0.0635	0.2544
Kenya	1999	I	1.0974	1.2271	1.2247	1.4337	0.2804	0.1954	0.0713	0.2476
Kenya	2000	I	1.1229	1.2330	1.2317	1.5121	0.3008	0.2409	0.0960	0.2695
Kenya	2001	I	1.1475	1.2323	1.2325	1.5442	0.2935	0.2676	0.1085	0.2703
Kenya	2002	I	1.1562	1.2256	1.2268	1.5250	0.3035	0.2879	0.1176	0.2789
Kenya	2003	I	1.1861	1.2272	1.2289	1.4457	0.3083	0.3041	0.1240	0.2802
Kenya	2004	I	1.2118	1.2362	1.2367	1.3481	0.2625	0.2912	0.1109	0.2382
Kenya	2005	O	1.2500	1.2500	1.2500	1.2500	0.3088	0.3545	0.1447	0.2798
Kenya	2006	E	1.2796	1.2840	1.3128	1.3505	0.2942	0.3581	0.1464	0.2591
Kenya	2007	E	1.3159	1.3187	1.3478	1.4312	0.2814	0.3534	0.1435	0.2463
Kenya	2008	E	1.3803	1.3616	1.3991	1.5226	0.3143	0.4016	0.1657	0.2843
Kenya	2009	E	1.3969	1.3623	1.4267	1.5662	0.3112	0.3813	0.1578	0.2859

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Kenya	2010	E	1.3968	1.3884	1.4269	1.6143	0.2490	0.3392	0.1072	0.2187
Lesotho	1997	I	1.0218	1.0280	1.0740	1.6881	0.3283	0.4328	0.3327	0.3088
Lesotho	1998	I	1.0758	1.0652	1.0823	1.6820	0.3158	0.4108	0.3208	0.2886
Lesotho	1999	I	1.0821	1.0824	1.0983	1.6134	0.2924	0.3825	0.2869	0.2652
Lesotho	2000	I	1.0988	1.1093	1.1257	1.5934	0.2685	0.3394	0.2540	0.2449
Lesotho	2001	I	1.1341	1.1431	1.1477	1.5724	0.2570	0.3577	0.2477	0.2272
Lesotho	2002	O	1.1635	1.1605	1.1635	1.6006	0.2404	0.3611	0.2441	0.2239
Lesotho	2003	I	1.1985	1.1836	1.1866	1.5500	0.2384	0.3613	0.2507	0.2327
Lesotho	2004	I	1.2137	1.1997	1.2154	1.4383	0.2323	0.3371	0.2388	0.2197
Lesotho	2005	I	1.2500	1.2500	1.2500	1.2500	0.2269	0.3045	0.2175	0.2028
Lesotho	2006	I	1.2917	1.2844	1.2417	1.4760	0.2267	0.3331	0.2287	0.2001
Lesotho	2007	I	1.3201	1.3189	1.2325	1.5738	0.2201	0.2960	0.2127	0.1868
Lesotho	2008	I	1.3724	1.3615	1.2313	1.5953	0.2132	0.2726	0.2099	0.1756
Lesotho	2009	I	1.3347	1.3566	1.1947	1.5226	0.1941	0.2866	0.2083	0.1709
Lesotho	2010	O	1.3044	1.3766	1.1700	1.4353	0.1847	0.2636	0.1578	0.1541
Madagascar	1997	O	1.0556	0.9057	0.9047	1.2877	0.4362	0.2362	0.1924	0.3563
Madagascar	1998	I	1.0646	0.9319	0.9301	1.4475	0.4481	0.2683	0.2070	0.3498
Madagascar	1999	O	1.0774	0.9656	0.9631	1.5091	0.4611	0.3041	0.2256	0.3661
Madagascar	2000	I	1.0982	1.0096	1.0079	1.6799	0.4897	0.3531	0.2625	0.3894
Madagascar	2001	O	1.1279	1.0500	1.0495	1.7938	0.5242	0.4114	0.3044	0.4288
Madagascar	2002	I	1.1448	1.0868	1.0872	1.7839	0.5537	0.4558	0.3260	0.4393
Madagascar	2003	I	1.1788	1.1326	1.1336	1.7111	0.5219	0.4541	0.3041	0.4033
Madagascar	2004	I	1.2060	1.1874	1.1877	1.4546	0.5161	0.5127	0.3310	0.3813
Madagascar	2005	O	1.2500	1.2500	1.2500	1.2500	0.5299	0.5562	0.3360	0.4062
Madagascar	2006	I	1.2817	1.2840	0.6581	1.4999	0.5257	0.5637	0.3260	0.3963
Madagascar	2007	I	1.3207	1.3187	0.4536	1.7314	0.5292	0.5757	0.3263	0.4351
Madagascar	2008	I	1.3750	1.3616	0.3521	1.9389	0.4975	0.5406	0.2815	0.4080
Madagascar	2009	I	1.3909	1.3546	0.2806	2.0126	0.5044	0.5427	0.2766	0.4206
Madagascar	2010	O	1.4258	1.3974	0.2411	1.9939	0.5142	0.5421	0.3550	0.4312
Malawi	1997	O	1.0408	1.1921	1.1948	1.8237	0.7860	0.5558	0.3158	0.7300
Malawi	1998	I	1.1874	1.3353	1.1886	2.1049	0.8556	0.6927	0.4392	0.8655
Malawi	1999	I	1.1830	1.3113	1.1910	2.3378	0.8302	0.6940	0.4059	0.8405
Malawi	2000	I	1.2361	1.3553	1.2056	2.2467	0.8527	0.7492	0.4555	0.8631
Malawi	2001	I	1.2908	1.3861	1.2140	2.2542	0.8824	0.8081	0.5295	0.8948
Malawi	2002	I	1.1514	1.2131	1.2163	1.9630	0.7873	0.7004	0.3836	0.6144
Malawi	2003	I	1.1821	1.2154	1.2161	1.4383	0.7811	0.7195	0.3790	0.5586
Malawi	2004	O	1.2090	1.2322	1.2302	1.2310	0.7677	0.7399	0.3802	0.6098
Malawi	2005	I	1.2500	1.2500	1.2500	1.2500	0.7533	0.7532	0.3929	0.6141
Malawi	2006	I	1.2865	1.2830	1.2771	1.4453	0.7301	0.7384	0.3793	0.5360
Malawi	2007	I	1.3216	1.3192	1.3772	1.5526	0.7111	0.7239	0.3790	0.5076
Malawi	2008	I	1.3633	1.3534	1.4897	1.6908	0.7031	0.7739	0.4354	0.5189
Malawi	2009	I	1.4124	1.3412	1.5033	1.8179	0.7314	0.7782	0.3978	0.5318
Malawi	2010	O	1.5666	1.6368	1.6112	1.8249	0.7735	0.8219	0.4079	0.6116
Mali	1997	I	1.0417	0.9921	0.9911	1.7156	0.5741	0.4757	0.3987	0.4289
Mali	1998	I	1.0560	1.0104	1.0085	2.0340	0.5469	0.4606	0.3632	0.4456
Mali	1999	I	1.0664	1.0360	1.0335	2.1477	0.5024	0.4246	0.3102	0.4108
Mali	2000	I	1.0887	1.0715	1.0698	2.0189	0.4973	0.4522	0.3275	0.3675
Mali	2001	O	1.1157	1.1020	1.1017	1.9601	0.4607	0.4316	0.2901	0.3361
Mali	2002	I	1.1309	1.1275	1.1281	1.8793	0.4766	0.4557	0.2946	0.2772
Mali	2003	I	1.1708	1.1611	1.1623	1.7393	0.5049	0.5221	0.3455	0.3366
Mali	2004	I	1.1987	1.2025	1.2029	1.5319	0.4348	0.4848	0.2914	0.2744

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Mali	2005	I	1.2500	1.2500	1.2500	1.2500	0.4721	0.5522	0.3370	0.3813
Mali	2006	O	1.2867	1.2840	1.3081	1.6054	0.4700	0.5741	0.3393	0.3296
Mali	2007	I	1.3261	1.3187	1.3668	1.8378	0.4372	0.5694	0.3507	0.3040
Mali	2008	I	1.3819	1.3616	1.4366	1.9929	0.4284	0.5763	0.3766	0.3067
Mali	2009	I	1.3942	1.3623	1.4646	1.9580	0.3992	0.5652	0.3785	0.2764
Mali	2010	O	1.4128	1.3884	1.5195	1.8184	0.3949	0.6007	0.3979	0.2539
Mauritania	1997	I	1.0551	1.0678	1.0740	1.2654	0.1862	0.1512	0.0688	0.2300
Mauritania	1998	I	1.0676	1.0779	1.0823	1.2432	0.1915	0.1646	0.0763	0.1852
Mauritania	1999	I	1.0796	1.0952	1.0983	1.2445	0.1887	0.1753	0.0808	0.1692
Mauritania	2000	O	1.1024	1.1225	1.1257	1.3391	0.1960	0.2045	0.0978	0.1786
Mauritania	2001	I	1.1329	1.1440	1.1477	1.3365	0.2051	0.2193	0.1097	0.1901
Mauritania	2002	I	1.1473	1.1597	1.1635	1.3036	0.1925	0.2223	0.1103	0.1726
Mauritania	2003	I	1.1823	1.1832	1.1866	1.2533	0.1788	0.2454	0.1282	0.1526
Mauritania	2004	O	1.2110	1.2140	1.2154	1.2468	0.1877	0.2787	0.1563	0.1628
Mauritania	2005	I	1.2500	1.2500	1.2500	1.2500	0.1770	0.2977	0.1754	0.1540
Mauritania	2006	I	1.2863	1.2840	1.2795	1.4498	0.1700	0.2239	0.1209	0.1248
Mauritania	2007	I	1.3249	1.3187	1.3073	1.5680	0.1604	0.2362	0.1304	0.1301
Mauritania	2008	O	1.4579	1.3983	1.3670	1.6393	0.1632	0.2725	0.1380	0.1379
Mauritania	2009	E	1.4661	1.3539	1.2106	1.5879	0.1540	0.2281	0.1294	0.1374
Mauritania	2010	E	1.1990	1.3636	1.1630	1.5177	0.0875	0.1289	0.0805	0.0428
Mozambique	1997	I	1.0536	1.0678	1.0740	1.8956	0.7828	0.7346	0.5331	0.6999
Mozambique	1998	I	1.0621	1.0779	1.0823	2.0141	0.7772	0.7354	0.5125	0.6864
Mozambique	1999	I	1.0680	1.0952	1.0983	2.2113	0.7663	0.7332	0.4973	0.6630
Mozambique	2000	I	1.0978	1.1225	1.1257	2.1713	0.7826	0.7678	0.5655	0.7072
Mozambique	2001	I	1.1198	1.1440	1.1477	2.0858	0.7873	0.7920	0.5862	0.7243
Mozambique	2002	O	1.1474	1.1597	1.1635	2.0064	0.6779	0.7039	0.4724	0.5817
Mozambique	2003	I	1.1830	1.1832	1.1866	1.7276	0.6513	0.7005	0.4754	0.5665
Mozambique	2004	I	1.2073	1.2140	1.2154	1.5115	0.6314	0.6832	0.4458	0.5488
Mozambique	2005	I	1.2500	1.2500	1.2500	1.2500	0.6005	0.6538	0.4125	0.5125
Mozambique	2006	I	1.2888	1.2840	1.2369	1.4708	0.5815	0.6491	0.4116	0.4932
Mozambique	2007	O	1.3317	1.3187	1.2232	1.5699	0.5486	0.6384	0.3981	0.4644
Mozambique	2008	E	1.3835	1.3616	1.2087	1.6112	0.5221	0.6135	0.3993	0.4319
Mozambique	2009	E	1.3965	1.3623	1.1831	1.5180	0.5164	0.6066	0.4066	0.4430
Mozambique	2010	E	1.2444	1.3187	1.1324	1.3573	0.3954	0.5364	0.3644	0.3722
Namibia	1997	I	1.1249	1.0678	1.0686	1.6719	0.2762	0.2262	0.1158	0.2992
Namibia	1998	I	1.0589	1.0779	1.0772	1.6603	0.2458	0.2085	0.1016	0.2620
Namibia	1999	I	1.0718	1.0952	1.0930	1.6325	0.2238	0.1972	0.0922	0.2514
Namibia	2000	I	1.0974	1.1225	1.1210	1.6125	0.1911	0.1589	0.0717	0.1594
Namibia	2001	I	1.1325	1.1440	1.1439	1.5728	0.1514	0.1226	0.0521	0.1163
Namibia	2002	I	1.1488	1.1597	1.1592	1.5285	0.1424	0.1229	0.0490	0.1112
Namibia	2003	O	1.1832	1.1832	1.1829	1.4335	0.1072	0.0955	0.0375	0.0883
Namibia	2004	I	1.2158	1.2140	1.2113	1.3460	0.1024	0.0924	0.0350	0.0869
Namibia	2005	I	1.2500	1.2500	1.2500	1.2500	0.1004	0.1030	0.0368	0.0783
Namibia	2006	I	1.2828	1.2840	1.2812	1.3576	0.0790	0.0915	0.0298	0.0545
Namibia	2007	I	1.3256	1.3187	1.3818	1.4099	0.0655	0.0814	0.0308	0.0477
Namibia	2008	I	1.3633	1.3484	1.3797	1.4659	0.0535	0.0670	0.0212	0.0310
Namibia	2009	I	1.3492	1.3363	1.3568	1.4693	0.0411	0.0537	0.0120	0.0232
Namibia	2010	E	1.3471	1.4096	1.3253	1.4780	0.0401	0.0625	0.0148	0.0216
Niger	1997	I	1.0530	1.0678	1.0740	2.6242	0.7703	0.7256	0.5577	0.6578
Niger	1998	I	1.0630	1.0779	1.0823	2.5897	0.7359	0.6945	0.5174	0.6208
Niger	1999	I	1.0728	1.0952	1.0983	2.3537	0.7325	0.7068	0.5306	0.6137

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Niger	2000	I	1.0978	1.1225	1.1257	2.0924	0.7654	0.7461	0.5908	0.6421
Niger	2001	I	1.1294	1.1440	1.1477	1.9712	0.7541	0.7397	0.5883	0.6370
Niger	2002	I	1.1466	1.1597	1.1635	1.9187	0.7491	0.7434	0.5932	0.6418
Niger	2003	I	1.1767	1.1773	1.1866	1.8359	0.7410	0.7444	0.6010	0.6120
Niger	2004	I	1.2072	1.2146	1.2154	1.6238	0.7476	0.7644	0.6125	0.6120
Niger	2005	O	1.2500	1.2500	1.2500	1.2500	0.7700	0.7827	0.6369	0.6641
Niger	2006	I	1.2882	1.2840	1.2980	1.6543	0.7613	0.7897	0.6395	0.6553
Niger	2007	O	1.3275	1.3187	1.3455	1.9141	0.7497	0.7891	0.6230	0.6272
Niger	2008	I	1.3857	1.3674	1.4026	2.0813	0.7356	0.8018	0.6104	0.6154
Niger	2009	I	1.4126	1.3733	1.4179	2.1150	0.7449	0.8146	0.6397	0.6042
Niger	2010	I	1.4276	1.4195	1.4582	1.9440	0.7880	0.8512	0.6660	0.5799
Nigeria	1997	I	0.9239	0.2360	0.1813	0.7707	0.3536	0.3169	0.0555	0.2173
Nigeria	1998	I	0.9387	0.2771	0.2039	0.8389	0.3593	0.3448	0.0592	0.2994
Nigeria	1999	I	0.9739	0.3628	0.2341	0.9073	0.4092	0.6270	0.1320	0.3075
Nigeria	2000	I	0.9756	0.4434	0.2762	1.0234	0.3968	0.6578	0.1422	0.1809
Nigeria	2001	I	0.9954	0.3603	0.3316	1.1119	0.2166	0.1786	0.0401	0.0801
Nigeria	2002	I	1.0176	0.6400	0.4088	1.2271	0.2178	0.3679	0.0424	0.1245
Nigeria	2003	O	1.0452	0.7324	0.5320	1.2682	0.1678	0.2399	0.0280	0.0860
Nigeria	2004	I	1.1882	1.2117	0.7525	1.2789	0.2079	0.3861	0.0375	0.1360
Nigeria	2005	I	1.2500	1.2500	1.2500	1.2500	0.2368	0.2549	0.0428	0.1924
Nigeria	2006	I	1.4099	1.9727	1.3326	1.5072	0.3653	0.6275	0.0974	0.3593
Nigeria	2007	I	1.2662	1.4177	1.4202	1.6462	0.1794	0.2389	0.0332	0.1148
Nigeria	2008	I	1.2269	1.9457	1.5241	1.7253	0.2681	0.5090	0.0689	0.2295
Nigeria	2009	O	0.9406	1.3433	1.5888	1.6192	0.1812	0.2210	0.0396	0.1372
Nigeria	2010	I	1.1873	1.0031	1.6877	1.5656	0.2627	0.1217	0.0363	0.0481
Rawanda	1997	E	1.0468	0.9859	0.9400	1.9532	0.6949	0.5650	0.4486	0.4992
Rawanda	1998	E	1.0579	1.0049	0.9536	1.9552	0.6953	0.6076	0.4766	0.5337
Rawanda	1999	E	1.0667	1.0311	0.9743	1.8898	0.6942	0.6570	0.5167	0.6034
Rawanda	2000	O	1.0873	1.0672	1.0783	1.8401	0.7015	0.6840	0.5193	0.6407
Rawanda	2001	I	1.1158	1.0984	1.1013	1.7220	0.6897	0.7064	0.5495	0.6330
Rawanda	2002	I	1.1297	1.1247	1.1245	1.6081	0.6471	0.6980	0.5303	0.5874
Rawanda	2003	I	1.1761	1.1592	1.1681	1.4629	0.6868	0.7434	0.5832	0.6614
Rawanda	2004	I	1.2078	1.2015	1.2060	1.3429	0.6875	0.7513	0.5899	0.6528
Rawanda	2005	O	1.2500	1.2500	1.2500	1.2500	0.6648	0.7362	0.5565	0.6231
Rawanda	2006	I	1.2830	1.2840	1.3440	1.3542	0.6081	0.7047	0.5361	0.5359
Rawanda	2007	I	1.3248	1.3155	1.2156	1.4262	0.5809	0.6966	0.5326	0.5003
Rawanda	2008	I	1.3832	1.3616	1.3976	1.5167	0.5684	0.7056	0.4845	0.5046
Rawanda	2009	I	1.3938	1.3623	1.4769	1.5389	0.5071	0.6551	0.4530	0.4313
Rawanda	2010	O	1.4162	1.3884	1.5027	1.5359	0.4756	0.6398	0.4424	0.3978
Senegal	1997	I	1.0569	1.1597	1.1587	1.7223	0.2371	0.0879	0.0639	0.1693
Senegal	1998	I	1.0684	1.1582	1.1563	1.9639	0.2096	0.0831	0.0551	0.1413
Senegal	1999	I	1.0793	1.1645	1.1620	2.0070	0.2008	0.0888	0.0536	0.1298
Senegal	2000	I	1.1027	1.1810	1.1797	1.9312	0.2004	0.1170	0.0636	0.1331
Senegal	2001	O	1.1328	1.1912	1.1913	1.8823	0.1912	0.1202	0.0576	0.1312
Senegal	2002	I	1.1470	1.1952	1.1963	1.7930	0.1780	0.1304	0.0645	0.1192
Senegal	2003	I	1.1807	1.2072	1.2087	1.6519	0.1654	0.1326	0.0601	0.1031
Senegal	2004	I	1.2074	1.2262	1.2267	1.4764	0.1578	0.1423	0.0635	0.1057
Senegal	2005	O	1.2500	1.2500	1.2500	1.2500	0.1533	0.1573	0.0739	0.1091
Senegal	2006	I	1.2857	1.2840	1.2823	1.4766	0.1481	0.1609	0.0788	0.1059
Senegal	2007	I	1.3247	1.3187	1.3130	1.6410	0.1407	0.1620	0.0809	0.0990
Senegal	2008	I	1.3818	1.3616	1.3518	1.7468	0.1410	0.1722	0.0799	0.0963

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Senegal	2009	I	1.3831	1.3585	1.3495	1.7062	0.1373	0.1565	0.0760	0.0871
Senegal	2010	I	1.4348	1.3921	1.3686	1.6100	0.1474	0.1744	0.0824	0.0894
Sierra Leone	1997	I	1.0496	1.9566	1.9538	2.3655	0.6239	0.5650	0.5033	0.7201
Sierra Leone	1998	I	1.0656	1.7931	1.7918	2.2504	0.6359	0.6001	0.5199	0.7618
Sierra Leone	1999	I	1.0764	1.6716	1.6660	2.3389	0.6632	0.6643	0.5685	0.8292
Sierra Leone	2000	I	1.0882	1.5702	1.5835	2.1545	0.5957	0.6459	0.5304	0.7220
Sierra Leone	2001	I	1.0750	1.4890	1.4998	2.0624	0.5348	0.5881	0.4491	0.5044
Sierra Leone	2002	I	1.1719	1.4076	1.4190	1.9983	0.4648	0.5231	0.3473	0.4131
Sierra Leone	2003	O	0.9786	1.3342	1.3467	1.8106	0.3186	0.5105	0.3157	0.3820
Sierra Leone	2004	I	1.0732	1.2889	1.2984	1.5471	0.3427	0.5193	0.3049	0.3683
Sierra Leone	2005	I	1.2500	1.2500	1.2500	1.2500	0.4374	0.5309	0.3087	0.3723
Sierra Leone	2006	I	1.3695	1.2769	1.2897	1.4984	0.5778	0.5453	0.3137	0.3610
Sierra Leone	2007	I	1.3676	1.3152	1.3420	1.6087	0.5501	0.5183	0.2776	0.3200
Sierra Leone	2008	I	1.4826	1.3799	1.4027	1.6728	0.5816	0.4991	0.2518	0.2742
Sierra Leone	2009	I	1.4654	1.3630	1.4219	1.6508	0.5464	0.4454	0.2213	0.2103
Sierra Leone	2010	I	1.5048	1.5283	1.4735	1.5856	0.5568	0.4906	0.3194	0.2767
South Africa	1997	I	1.0513	1.0678	1.0741	1.1463	0.0308	0.0193	0.0046	0.0243
South Africa	1998	I	1.0626	1.0779	1.0851	1.1549	0.0358	0.0242	0.0064	0.0284
South Africa	1999	I	1.0764	1.0952	1.1015	1.1635	0.0407	0.0289	0.0081	0.0334
South Africa	2000	I	1.1003	1.1225	1.1295	1.1868	0.0429	0.0336	0.0104	0.0359
South Africa	2001	O	1.1292	1.1440	1.1515	1.1991	0.0449	0.0373	0.0117	0.0382
South Africa	2002	I	1.1436	1.1597	1.1678	1.2117	0.0470	0.0432	0.0140	0.0395
South Africa	2003	I	1.1829	1.1832	1.1979	1.2184	0.0510	0.0484	0.0166	0.0441
South Africa	2004	I	1.2101	1.2140	1.2154	1.2335	0.0507	0.0523	0.0179	0.0434
South Africa	2005	O	1.2500	1.2500	1.2500	1.2500	0.0515	0.0554	0.0189	0.0428
South Africa	2006	I	1.2767	1.2840	1.2720	1.2761	0.0366	0.0432	0.0152	0.0285
South Africa	2007	I	1.3332	1.3187	1.2835	1.2878	0.0296	0.0364	0.0123	0.0214
South Africa	2008	O	1.3844	1.3616	1.2917	1.3167	0.0251	0.0331	0.0114	0.0181
South Africa	2009	I	1.3744	1.3622	1.2533	1.3136	0.0327	0.0406	0.0154	0.0231
South Africa	2010	O	1.3767	1.3868	1.2431	1.3392	0.0349	0.0445	0.0174	0.0235
Swaziland	1997	I	0.9873	1.5643	1.4278	1.7619	0.0932	0.0462	0.0171	0.0730
Swaziland	1998	I	0.9970	1.4868	1.4033	1.7362	0.0722	0.0385	0.0125	0.0508
Swaziland	1999	I	1.0249	1.4273	1.3294	1.7019	0.0559	0.0312	0.0096	0.0371
Swaziland	2000	O	1.0867	1.3863	1.4803	1.6845	0.0448	0.0258	0.0073	0.0249
Swaziland	2001	I	1.1014	1.3405	1.5174	1.6495	0.0515	0.0317	0.0081	0.0277
Swaziland	2002	I	1.0810	1.2498	1.4022	1.6047	0.0623	0.0333	0.0079	0.0321
Swaziland	2003	I	1.1228	0.2516	1.2839	1.5020	0.0691	0.0522	0.0091	0.0341
Swaziland	2004	I	1.2365	0.2529	1.3052	1.3862	0.0596	0.0591	0.0090	0.0275
Swaziland	2005	I	1.2500	1.2500	1.2500	1.2500	0.0565	0.0449	0.0088	0.0250
Swaziland	2006	I	1.4370	1.2226	1.4619	1.4150	0.0533	0.0368	0.0103	0.0223
Swaziland	2007	I	1.3915	1.1004	1.4974	1.5203	0.0526	0.0285	0.0111	0.0146
Swaziland	2008	I	1.4162	1.3028	1.6009	1.5945	0.0390	0.0235	0.0098	0.0121
Swaziland	2009	O	1.3615	1.3538	1.5729	1.5934	0.0381	0.0224	0.0102	0.0126
Swaziland	2010	E	1.3752	1.2365	1.5043	1.5670	0.0286	0.0173	0.0054	0.0103
Tanzania	1997	I	1.0510	0.9508	0.9586	1.3495	0.6079	0.4014	0.2238	0.6501
Tanzania	1998	I	1.0768	0.9731	0.9857	1.6627	0.5632	0.3792	0.1995	0.5151
Tanzania	1999	I	1.0923	1.0027	1.0131	1.9047	0.5548	0.4117	0.2012	0.5079
Tanzania	2000	O	1.1134	1.0424	1.0521	1.9721	0.5608	0.4429	0.2220	0.5067
Tanzania	2001	I	1.1418	1.0777	1.0874	1.9495	0.5590	0.4834	0.2327	0.5015
Tanzania	2002	I	1.1554	1.1086	1.1166	1.8678	0.5374	0.4861	0.2293	0.4600
Tanzania	2003	I	1.1899	1.1479	1.1543	1.6398	0.5387	0.5325	0.2534	0.4726

Table S3 Poverty: Headcount ratios

Country	Year	Data	Poverty Lines				Head count ratios			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Tanzania	2004	I	1.2123	1.1956	1.1987	1.4413	0.5144	0.5497	0.2543	0.4396
Tanzania	2005	I	1.2500	1.2500	1.2500	1.2500	0.4612	0.5400	0.2321	0.3643
Tanzania	2006	I	1.2827	1.2840	1.2519	1.2686	0.4267	0.5561	0.2461	0.3470
Tanzania	2007	O	1.3204	1.3187	1.3382	1.3114	0.4055	0.5692	0.2588	0.3380
Tanzania	2008	I	1.3734	1.3616	1.3381	1.3723	0.3933	0.5704	0.2059	0.3321
Tanzania	2009	I	1.3855	1.3623	1.3136	1.3650	0.3853	0.5536	0.1631	0.3366
Tanzania	2010	I	1.3185	1.3884	1.3069	1.3513	0.3353	0.5395	0.1319	0.2937
Uganda	1997	I	1.0220	1.0678	1.0722	1.9507	0.4563	0.4967	0.2424	0.5434
Uganda	1998	I	1.0324	1.0780	1.0884	1.8894	0.4373	0.4954	0.2507	0.4955
Uganda	1999	O	1.0441	1.0953	1.1102	1.8060	0.4317	0.5018	0.2698	0.5071
Uganda	2000	I	1.0631	1.1226	1.1258	1.7016	0.4256	0.5157	0.2865	0.4676
Uganda	2001	I	1.1112	1.1441	1.1478	1.6389	0.4265	0.5014	0.2800	0.4627
Uganda	2002	O	1.1382	1.1598	1.1636	1.5845	0.4364	0.5178	0.2839	0.4821
Uganda	2003	I	1.1791	1.1833	1.1867	1.4278	0.4266	0.5277	0.2998	0.4897
Uganda	2004	I	1.2066	1.2141	1.2155	1.3361	0.4138	0.5307	0.3048	0.4080
Uganda	2005	O	1.2500	1.2500	1.2500	1.2500	0.3949	0.5147	0.2842	0.4659
Uganda	2006	I	1.2854	1.2841	1.2966	1.3341	0.3453	0.4742	0.2531	0.4183
Uganda	2007	I	1.3321	1.3188	1.3426	1.4037	0.3561	0.4972	0.2696	0.4281
Uganda	2008		1.3897	1.3617	1.3980	1.4770	0.3432	0.4964	0.2661	0.4856
Uganda	2009	O	1.3605	1.3616	1.2784	1.4363	0.3019	0.4495	0.1922	0.3514
Uganda	2010	E	1.4227	1.3366	1.3417	1.4009	0.2930	0.3648	0.1659	0.2743
Zambia	1997	I	1.1564	0.8842	0.8844	1.1862	0.4759	0.3600	0.2718	0.4626
Zambia	1998	I	1.1871	0.9185	0.9190	1.4108	0.5020	0.4186	0.3035	0.5066
Zambia	1999	I	1.2238	0.9612	0.9626	1.6192	0.4948	0.4209	0.2674	0.5409
Zambia	2000	I	1.2627	1.0156	1.0195	1.6918	0.4478	0.3755	0.2285	0.4269
Zambia	2001	I	1.5833	1.3382	1.0751	1.7774	0.5158	0.4527	0.1830	0.4087
Zambia	2002	O	1.4711	1.2842	1.1287	1.7841	0.4500	0.4151	0.1615	0.3421
Zambia	2003	I	1.4557	1.3146	1.2553	1.6178	0.5044	0.5132	0.3204	0.4548
Zambia	2004	O	1.2140	1.1651	1.1161	1.4402	0.4576	0.4925	0.3130	0.4473
Zambia	2005	I	1.2500	1.2500	1.2500	1.2500	0.4900	0.5406	0.3692	0.5009
Zambia	2006	O	1.1604	1.1671	1.1571	1.5380	0.4600	0.5142	0.3460	0.4387
Zambia	2007	I	1.4378	1.4454	1.3301	1.6665	0.3961	0.4569	0.2568	0.2262
Zambia	2008	I	1.5355	1.5456	1.5802	1.7622	0.4152	0.4972	0.3361	0.2764
Zambia	2009	I	1.4125	1.4563	1.6240	1.6648	0.3994	0.5022	0.3290	0.2914
Zambia	2010	O	1.4460	1.4764	1.2847	1.5209	0.3663	0.4096	0.1970	0.1651

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Angola	1997	E	0.6422	1.0768	0.9505	1.4707	0.2938	0.3409	0.0794	0.3228
Angola	1998	E	1.1603	1.0987	3.2233	1.4418	0.1863	0.2068	0.2265	0.2204
Angola	1999	E	0.6525	1.1057	0.7450	1.4163	0.2449	0.2998	0.0488	0.2231
Angola	2000	O	0.9201	1.1225	1.5199	1.5024	0.2550	0.3146	0.1941	0.3337
Angola	2001	I	1.2643	1.1440	1.6926	1.5013	0.1459	0.1839	0.1020	0.1558
Angola	2002	I	1.1452	1.1597	1.6189	1.4635	0.1220	0.1860	0.0897	0.1094
Angola	2003	I	1.0400	1.1832	1.0160	1.3937	0.0689	0.1476	0.0655	0.0664
Angola	2004	I	1.0461	1.2140	1.0637	1.3256	0.0529	0.1436	0.0611	0.0527
Angola	2005	I	1.2500	1.2500	1.2500	1.2500	0.0484	0.1637	0.0712	0.0576
Angola	2006	I	1.1322	1.2840	1.1458	1.4492	0.0334	0.1673	0.0443	0.0348
Angola	2007	I	1.6782	1.3187	1.4375	1.5722	0.0221	0.1008	0.0529	0.0209
Angola	2008	O	1.6193	1.3616	1.5549	1.6179	0.0096	0.0751	0.0403	0.0094
Angola	2009	E	2.0874	1.3623	1.8513	1.5383	0.0064	0.0323	0.0453	0.0093
Angola	2010	E	1.7210	1.3884	1.5481	1.3907	0.0020	0.0210	0.0159	0.0021
Burnika Faso	1997	I	1.0445	1.0678	1.0740	2.2018	0.1628	0.0263	0.0802	0.1071
Burnika Faso	1998	O	1.0587	1.0779	1.0823	2.2155	0.1302	0.1391	0.0562	0.0801
Burnika Faso	1999	I	1.0688	1.0952	1.0983	2.1351	0.0992	0.1061	0.0387	0.0606
Burnika Faso	2000	I	1.0922	1.1225	1.1257	1.9470	0.0963	0.1148	0.0437	0.0600
Burnika Faso	2001	I	1.1253	1.1440	1.1477	1.8926	0.0894	0.1051	0.0374	0.0581
Burnika Faso	2002	I	1.1426	1.1597	1.1635	1.8234	0.0841	0.0983	0.0344	0.0496
Burnika Faso	2003	O	1.1767	1.1832	1.1866	1.6865	0.0713	0.0803	0.0269	0.0377
Burnika Faso	2004	I	1.2050	1.2140	1.2154	1.4999	0.0697	0.0852	0.0289	0.0361
Burnika Faso	2005	I	1.2500	1.2500	1.2500	1.2500	0.0646	0.0817	0.0276	0.0345
Burnika Faso	2006	I	1.2884	1.2840	1.2573	1.4807	0.0654	0.0923	0.0330	0.0380
Burnika Faso	2007	I	1.3245	1.3187	1.2611	1.6139	0.0672	0.1007	0.0363	0.0382
Burnika Faso	2008	I	1.3648	1.3616	1.2734	1.7026	0.0566	0.0920	0.0318	0.0312
Burnika Faso	2009	O	1.4937	1.3623	1.2477	1.6397	0.0612	0.0929	0.0324	0.0333
Burnika Faso	2010	E	1.5605	1.5064	1.2410	1.4863	0.0576	0.0878	0.0277	0.0235
Burundi	1997	I	0.6665	0.8282	1.0481	1.0986	0.1245	0.1070	0.1113	0.1697
Burundi	1998	O	0.6652	0.6739	1.0562	1.0726	0.1142	0.0995	0.1093	0.1453
Burundi	1999	I	0.6956	0.7191	1.0718	1.0808	0.1255	0.1068	0.1172	0.1658
Burundi	2000	I	0.7593	0.7955	1.0986	1.3183	0.1285	0.1136	0.1323	0.1345
Burundi	2001	I	0.7942	0.8107	1.1201	1.3023	0.1315	0.1212	0.1432	0.1252
Burundi	2002	I	0.7962	0.8219	1.1355	1.1049	0.1170	0.1105	0.1363	0.1078
Burundi	2003	I	0.8080	0.8386	1.1581	0.9448	0.1203	0.1227	0.1540	0.1050
Burundi	2004	I	0.8343	0.8604	1.1862	0.9716	0.1187	0.1249	0.1582	0.0990
Burundi	2005	I	1.2500	1.2500	1.2500	1.2500	0.2107	0.2296	0.1483	0.1723
Burundi	2006	O	1.2483	1.2463	1.1754	1.3910	0.1741	0.2046	0.1209	0.1301
Burundi	2007	E	1.2689	1.2608	1.1038	1.4122	0.1697	0.2083	0.1179	0.1270
Burundi	2008	E	1.5407	1.2920	1.0760	1.4265	0.2456	0.1916	0.1009	0.1143
Burundi	2009	E	1.4419	1.3582	1.0999	1.4021	0.2191	0.2189	0.0774	0.0885
Burundi	2010	E	1.5096	1.4306	1.2173	1.4262	0.2288	0.2286	0.0848	0.0834
Cameroon	1997	I	1.0542	1.1485	1.1476	1.3378	0.0114	0.0028	0.0014	0.0098
Cameroon	1998	I	1.0663	1.1485	1.1466	1.3515	0.0112	0.0035	0.0017	0.0097
Cameroon	1999	I	1.0783	1.1562	1.1537	1.3150	0.0109	0.0042	0.0018	1.0000
Cameroon	2000	I	1.1009	1.1741	1.1727	1.2751	0.0112	0.0058	0.0025	0.0091
Cameroon	2001	O	1.1284	1.1857	1.1857	1.2573	0.0099	0.0061	0.0024	0.0085
Cameroon	2002	I	1.1445	1.1911	1.1921	1.2463	0.0107	0.0084	0.0031	0.0093
Cameroon	2003	I	1.1843	1.2044	1.1896	1.2279	0.0089	0.0078	0.0025	0.0073
Cameroon	2004	I	1.2081	1.2248	1.2253	1.2288	0.0078	0.0083	0.0026	0.0067
Cameroon	2005	I	1.2500	1.2500	1.2500	1.2500	0.0070	0.0091	0.0025	0.0061

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Cameroon	2006	I	1.2872	1.2840	1.2933	1.2685	0.0061	0.0087	0.0024	0.0050
Cameroon	2007	O	1.3280	1.3187	1.3358	1.2974	0.0029	0.0059	0.0008	0.0023
Cameroon	2008	E	1.3793	1.3616	1.3873	1.3544	0.0031	0.0068	0.0012	0.0027
Cameroon	2009	E	1.3750	1.3623	1.3971	1.3795	0.0028	0.0061	0.0011	0.0036
Cameroon	2010	E	1.3868	1.3884	1.4315	1.4384	0.0032	0.0062	0.0016	0.0037
Central African Republic	1997	I	1.0894	1.0678	1.0740	1.9030	0.2486	0.1962	0.1293	0.1862
Central African Republic	1998	I	1.0669	1.0779	1.0823	1.8431	0.2200	0.1731	0.1091	0.1588
Central African Republic	1999	I	1.1018	1.0952	1.0983	1.7397	0.2200	0.1778	0.1111	0.1616
Central African Republic	2000	I	1.1207	1.1225	1.1257	1.6167	0.1998	0.1632	0.0998	0.1411
Central African Republic	2001	I	1.1415	1.1440	1.1477	1.5723	0.1812	0.1482	0.0872	0.1230
Central African Republic	2002	I	1.1575	1.1597	1.1635	1.5322	0.1768	0.1472	0.0865	0.1182
Central African Republic	2003	O	1.1815	1.1832	1.1866	1.4934	0.1854	0.1568	0.0940	0.1207
Central African Republic	2004	I	1.2083	1.2140	1.2154	1.4018	0.1829	0.1602	0.0982	0.1198
Central African Republic	2005	I	1.2500	1.2500	1.2500	1.2500	0.1970	0.1775	0.1123	0.1322
Central African Republic	2006	I	1.2617	1.2840	1.2757	1.4028	0.2124	0.1993	0.1247	0.1459
Central African Republic	2007	I	1.3084	1.3187	1.3385	1.5034	0.2255	0.2189	0.1419	0.1595
Central African Republic	2008	O	1.3687	1.3616	1.3293	1.5824	0.2337	0.2292	0.1515	0.1615
Central African Republic	2009	E	1.3933	1.3623	1.3365	1.6100	0.2470	0.2453	0.1621	0.1790
Central African Republic	2010	E	1.4445	1.3884	1.3452	1.5736	0.2136	0.2214	0.1380	0.1496
Ethiopia	1997	I	1.0516	1.2040	1.2652	1.2484	0.1565	0.1257	0.0776	0.1383
Ethiopia	1998	I	1.0662	1.1964	1.2298	1.2008	0.1711	0.1542	0.0961	0.1433
Ethiopia	1999	O	1.0741	1.1968	1.2052	1.1405	0.1479	0.1472	0.0870	0.1146
Ethiopia	2000	I	1.0987	1.2080	1.1945	1.2650	0.1797	0.1831	0.1139	0.1654
Ethiopia	2001	I	1.1274	1.2126	1.2639	1.2815	0.1586	0.1801	0.1128	0.1452
Ethiopia	2002	I	1.1415	1.2111	1.1969	1.3214	0.1621	0.1850	0.1136	0.1625
Ethiopia	2003	I	1.1792	1.2177	1.2148	1.2132	0.1737	0.2254	0.1489	0.1778
Ethiopia	2004	I	1.2087	1.2314	1.2746	1.1774	0.1696	0.2276	0.1483	0.1701
Ethiopia	2005	O	1.2500	1.2500	1.2500	1.2500	0.1031	0.1586	0.0921	0.0884
Ethiopia	2006	I	1.2862	1.2840	1.1989	1.2302	0.0826	0.1355	0.0760	0.0675
Ethiopia	2007	I	1.3273	1.3187	1.3121	1.2343	0.0685	0.1158	0.0642	0.0464
Ethiopia	2008	I	1.3786	1.3530	1.3827	1.3241	0.0567	0.0997	0.0586	0.0413
Ethiopia	2009	I	1.4034	1.3651	1.2494	1.3088	0.0480	0.0748	0.0422	0.0308
Ethiopia	2010	O	1.4271	1.4031	1.3110	1.2634	0.0415	0.0667	0.0412	0.0277
Gambia	1997	E	1.0883	1.0957	1.2286	2.2543	0.1571	0.1414	0.0973	0.1543
Gambia	1998	O	1.1052	1.0956	1.2308	2.2558	0.0748	0.0707	0.0375	0.0869
Gambia	1999	I	1.1190	1.1292	1.2607	2.2116	0.0665	0.0751	0.0359	0.0784
Gambia	2000	I	1.1406	1.1623	1.2966	2.1393	0.0542	0.0671	0.0309	0.0627
Gambia	2001	I	1.2353	1.1536	1.3087	1.9205	0.0642	0.0857	0.0386	0.0798
Gambia	2002	I	0.9078	1.1694	0.9345	1.6288	0.0250	0.0844	0.0367	0.0338
Gambia	2003	O	1.3518	1.1931	1.3839	1.4421	0.0579	0.1025	0.0488	0.0802
Gambia	2004	E	1.2183	1.2242	1.2179	1.3148	0.0471	0.0744	0.0335	0.0351
Gambia	2005	E	1.2500	1.2500	1.2500	1.2500	0.0503	0.0805	0.0286	0.0297
Gambia	2006	E	1.3030	1.3016	1.2486	1.2578	0.0537	0.0877	0.0288	0.0293
Gambia	2007	E	1.3419	1.3348	1.2454	1.2851	0.0546	0.0914	0.0348	0.0333
Gambia	2008	E	1.4797	1.4665	1.2497	1.3181	0.0625	0.1052	0.0344	0.0351
Gambia	2009	E	1.4641	1.4366	1.2191	1.2810	0.0587	0.0981	0.0346	0.0375
Gambia	2010	E	1.4155	1.3996	1.2067	1.2638	0.0429	0.0785	0.0219	0.0232
Ghana	1997	I	1.0473	1.0547	1.0053	1.5629	0.0215	0.0129	0.0032	0.0457
Ghana	1998	O	1.0628	1.0650	1.0130	1.5577	0.0238	0.0147	0.0037	0.0559
Ghana	1999	I	1.0707	1.0825	1.0280	1.5081	0.0140	0.0090	0.0021	0.0240
Ghana	2000	I	1.1022	1.1090	1.0208	1.4700	0.0218	0.0192	0.0048	0.0476

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Ghana	2001	I	1.1339	1.1298	1.0193	1.4604	0.0284	0.0258	0.0068	0.0710
Ghana	2002	I	1.1381	1.1462	1.0913	1.4301	0.0218	0.0190	0.0059	0.0505
Ghana	2003	I	1.1756	1.1691	1.0799	1.3556	0.0217	0.0189	0.0055	0.0468
Ghana	2004	I	1.2080	1.2140	1.1460	1.2935	0.0186	0.0182	0.0058	0.0357
Ghana	2005	O	1.2500	1.2500	1.2500	1.2500	0.0176	0.0175	0.0069	0.0374
Ghana	2006	E	1.2862	1.2840	1.2285	1.3685	0.0200	0.0204	0.0083	0.0153
Ghana	2007	E	1.3235	1.3057	1.2074	1.4381	0.0194	0.0216	0.0091	0.0151
Ghana	2008	E	1.3799	1.3481	1.1952	1.4598	0.0167	0.0192	0.0088	0.0136
Ghana	2009	E	1.4111	1.4266	1.1489	1.3862	0.0191	0.0218	0.0095	0.0146
Ghana	2010	E	1.4316	1.5398	1.1257	1.3043	0.0122	0.0149	0.0064	0.0090
Guinea	1997	I	1.0307	1.8694	1.8145	2.0068	0.1061	0.0548	0.0277	0.0747
Guinea	1998	I	1.0342	1.7302	1.6383	1.8159	0.0838	0.0488	0.0217	0.0419
Guinea	1999	I	1.0526	1.6230	1.5060	1.7712	0.0826	0.0536	0.0214	0.0462
Guinea	2000	I	1.0778	1.5448	1.3951	1.7800	0.0789	0.0568	0.0215	0.0380
Guinea	2001	I	1.1121	1.4696	1.3096	1.8068	0.0748	0.0579	0.0207	0.0454
Guinea	2002	I	1.1200	1.3968	1.2302	1.8371	0.0697	0.0627	0.0218	0.0425
Guinea	2003	O	1.1631	1.3414	1.3489	1.6925	0.0849	0.0785	0.0421	0.0655
Guinea	2004	I	1.2088	1.2999	1.2932	1.5105	0.0870	0.0871	0.0436	0.0685
Guinea	2005	I	1.2500	1.2500	1.2500	1.2500	0.0961	0.1266	0.0501	0.0782
Guinea	2006	I	1.4706	1.2840	1.2207	1.4727	0.1224	0.1082	0.0546	0.0947
Guinea	2007	O	1.4274	1.3187	1.4269	1.7133	0.0921	0.1102	0.0599	0.1061
Guinea	2008	E	1.4290	1.3616	1.7329	1.8706	0.1078	0.1109	0.0736	0.1193
Guinea	2009	E	0.9664	1.3623	1.4295	1.8383	0.0870	0.1340	0.0588	0.1178
Guinea	2010	E	0.9257	1.3884	1.4047	1.7124	0.0565	0.1128	0.0403	0.0688
Guinea Bissau	1997	I	1.0510	1.0678	1.1837	3.1201	0.0359	0.0241	0.0143	0.0686
Guinea Bissau	1998	I	1.0619	1.0779	1.1275	2.9885	0.0574	0.0400	0.0199	0.1041
Guinea Bissau	1999	I	1.0745	1.0952	1.2202	2.8827	0.0584	0.0395	0.0197	0.1034
Guinea Bissau	2000	I	1.1018	1.1225	1.4294	2.6368	0.0601	0.0423	0.0344	0.0436
Guinea Bissau	2001	I	1.1267	1.1440	1.1338	2.4573	0.0461	0.0311	0.0140	0.0151
Guinea Bissau	2002	O	1.1419	1.1597	1.1726	2.4599	0.0449	0.0305	0.0160	0.0161
Guinea Bissau	2003	E	1.1800	1.1832	1.1894	2.2172	0.0608	0.0530	0.0235	0.0269
Guinea Bissau	2004	E	1.2077	1.2140	1.2560	1.8209	0.0432	0.0402	0.0199	0.0165
Guinea Bissau	2005	E	1.2500	1.2500	1.2500	1.2500	0.0485	0.0463	0.0227	0.0252
Guinea Bissau	2006	E	1.2648	1.2628	1.2923	1.5555	0.0451	0.0484	0.0238	0.0231
Guinea Bissau	2007	E	1.2902	1.2823	1.3336	1.7328	0.0449	0.0498	0.0261	0.0224
Guinea Bissau	2008	E	1.3360	1.3194	1.3839	1.8523	0.0386	0.0436	0.0205	0.0167
Guinea Bissau	2009	E	1.4101	1.3800	1.3931	1.7942	0.0429	0.0507	0.0252	0.0215
Guinea Bissau	2010	E	1.4725	1.4544	1.4229	1.5742	0.0452	0.0541	0.0214	0.0166
Kenya	1997	O	1.0781	1.2464	1.2454	1.2796	0.0321	0.0109	0.0023	0.0263
Kenya	1998	I	1.0856	1.2324	1.2305	1.3642	0.0321	0.0140	0.0030	0.0267
Kenya	1999	I	1.0974	1.2271	1.2247	1.4337	0.0335	0.0182	0.0040	0.0271
Kenya	2000	I	1.1229	1.2330	1.2317	1.5121	0.0395	0.0276	0.0070	0.0330
Kenya	2001	I	1.1475	1.2323	1.2325	1.5442	0.0398	0.0345	0.0095	0.0351
Kenya	2002	I	1.1562	1.2256	1.2268	1.5250	0.0444	0.0411	0.0120	0.0392
Kenya	2003	I	1.1861	1.2272	1.2289	1.4457	0.0479	0.0469	0.0145	0.0418
Kenya	2004	I	1.2118	1.2362	1.2367	1.3481	0.0422	0.0477	0.0172	0.0378
Kenya	2005	O	1.2500	1.2500	1.2500	1.2500	0.0520	0.0627	0.0215	0.0457
Kenya	2006	E	1.2796	1.2840	1.3128	1.3505	0.0483	0.0629	0.0220	0.0412
Kenya	2007	E	1.3159	1.3187	1.3478	1.4312	0.0458	0.0619	0.0217	0.0389
Kenya	2008	E	1.3803	1.3616	1.3991	1.5226	0.0529	0.0746	0.0251	0.0464
Kenya	2009	E	1.3969	1.3623	1.4267	1.5662	0.0516	0.0684	0.0236	0.0462

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Kenya	2010	E	1.3968	1.3884	1.4269	1.6143	0.0366	0.0540	0.0159	0.0316
Lesotho	1997	I	1.0218	1.0280	1.0740	1.6881	0.0966	0.1428	0.0983	0.0888
Lesotho	1998	I	1.0758	1.0652	1.0823	1.6820	0.0896	0.1289	0.0915	0.0794
Lesotho	1999	I	1.0821	1.0824	1.0983	1.6134	0.0793	0.1138	0.0774	0.0699
Lesotho	2000	I	1.0988	1.1093	1.1257	1.5934	0.0700	0.0949	0.0653	0.0623
Lesotho	2001	I	1.1341	1.1431	1.1477	1.5724	0.0655	0.0999	0.0626	0.0562
Lesotho	2002	O	1.1635	1.1605	1.1635	1.6006	0.0601	0.1005	0.0612	0.0550
Lesotho	2003	I	1.1985	1.1836	1.1866	1.5500	0.0582	0.0998	0.0620	0.0565
Lesotho	2004	I	1.2137	1.1997	1.2154	1.4383	0.0561	0.0908	0.0581	0.0523
Lesotho	2005	I	1.2500	1.2500	1.2500	1.2500	0.0552	0.0797	0.0524	0.0481
Lesotho	2006	I	1.2917	1.2844	1.2417	1.4760	0.0549	0.0891	0.0555	0.0471
Lesotho	2007	I	1.3201	1.3189	1.2325	1.5738	0.0527	0.0762	0.0505	0.0432
Lesotho	2008	I	1.3724	1.3615	1.2313	1.5953	0.0504	0.0683	0.0495	0.0399
Lesotho	2009	I	1.3347	1.3566	1.1947	1.5226	0.0448	0.0725	0.0487	0.0384
Lesotho	2010	O	1.3044	1.3766	1.1700	1.4353	0.0421	0.0651	0.0349	0.0340
Madagascar	1997	O	1.0556	0.9057	0.9047	1.2877	0.0764	0.0321	0.0247	0.0564
Madagascar	1998	I	1.0646	0.9319	0.9301	1.4475	0.0783	0.0363	0.0256	0.0532
Madagascar	1999	O	1.0774	0.9656	0.9631	1.5091	0.0813	0.0415	0.0268	0.0555
Madagascar	2000	I	1.0982	1.0096	1.0079	1.6799	0.0938	0.0536	0.0339	0.0629
Madagascar	2001	O	1.1279	1.0500	1.0495	1.7938	0.1112	0.0710	0.0431	0.0764
Madagascar	2002	I	1.1448	1.0868	1.0872	1.7839	0.1150	0.0795	0.0452	0.0744
Madagascar	2003	I	1.1788	1.1326	1.1336	1.7111	0.0939	0.0728	0.0377	0.0594
Madagascar	2004	I	1.2060	1.1874	1.1877	1.4546	0.0854	0.0844	0.0411	0.0513
Madagascar	2005	O	1.2500	1.2500	1.2500	1.2500	0.0801	0.0876	0.0383	0.0512
Madagascar	2006	I	1.2817	1.2840	0.6581	1.4999	0.0851	0.0967	0.0395	0.0531
Madagascar	2007	I	1.3207	1.3187	0.4536	1.7314	0.0922	0.1076	0.0426	0.0662
Madagascar	2008	I	1.3750	1.3616	0.3521	1.9389	0.0882	0.1020	0.0370	0.0638
Madagascar	2009	I	1.3909	1.3546	0.2806	2.0126	0.0956	0.1087	0.0386	0.0711
Madagascar	2010	O	1.4258	1.3974	0.2411	1.9939	0.1039	0.1140	0.0582	0.0780
Malawi	1997	O	1.0408	1.1921	1.1948	1.8237	0.2477	0.1156	0.0470	0.2041
Malawi	1998	I	1.1874	1.3353	1.1886	2.1049	0.3156	0.1745	0.0737	0.3297
Malawi	1999	I	1.1830	1.3113	1.1910	2.3378	0.2761	0.1696	0.0619	0.2879
Malawi	2000	I	1.2361	1.3553	1.2056	2.2467	0.2943	0.1982	0.0719	0.3080
Malawi	2001	I	1.2908	1.3861	1.2140	2.2542	0.3302	0.2413	0.0899	0.3508
Malawi	2002	I	1.1514	1.2131	1.2163	1.9630	0.2173	0.1589	0.0483	0.1175
Malawi	2003	I	1.1821	1.2154	1.2161	1.4383	0.2068	0.1655	0.0451	0.0931
Malawi	2004	O	1.2090	1.2322	1.2302	1.2310	0.1916	0.1732	0.0436	0.1086
Malawi	2005	I	1.2500	1.2500	1.2500	1.2500	0.1880	0.1879	0.0482	0.1147
Malawi	2006	I	1.2865	1.2830	1.2771	1.4453	0.1788	0.1841	0.0477	0.0899
Malawi	2007	I	1.3216	1.3192	1.3772	1.5526	0.1729	0.1807	0.0501	0.0844
Malawi	2008	I	1.3633	1.3534	1.4897	1.6908	0.1738	0.2218	0.0668	0.0918
Malawi	2009	I	1.4124	1.3412	1.5033	1.8179	0.1974	0.2318	0.0602	0.1003
Malawi	2010	O	1.5666	1.6368	1.6112	1.8249	0.2347	0.2785	0.0659	0.1371
Mali	1997	I	1.0417	0.9921	0.9911	1.7156	0.1258	0.0863	0.0631	0.0715
Mali	1998	I	1.0560	1.0104	1.0085	2.0340	0.1118	0.0801	0.0534	0.0754
Mali	1999	I	1.0664	1.0360	1.0335	2.1477	0.0930	0.0687	0.0416	0.0649
Mali	2000	I	1.0887	1.0715	1.0698	2.0189	0.0914	0.0769	0.0448	0.0540
Mali	2001	O	1.1157	1.1020	1.1017	1.9601	0.0777	0.0693	0.0364	0.0458
Mali	2002	I	1.1309	1.1275	1.1281	1.8793	0.0816	0.0753	0.0370	0.0338
Mali	2003	I	1.1708	1.1611	1.1623	1.7393	0.0895	0.0953	0.0470	0.0451
Mali	2004	I	1.1987	1.2025	1.2029	1.5319	0.0678	0.0820	0.0358	0.0327

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Mali	2005	I	1.2500	1.2500	1.2500	1.2500	0.0792	0.1040	0.0467	0.0563
Mali	2006	O	1.2867	1.2840	1.3081	1.6054	0.0751	0.1057	0.0474	0.0455
Mali	2007	I	1.3261	1.3187	1.3668	1.8378	0.0649	0.1029	0.0459	0.0370
Mali	2008	I	1.3819	1.3616	1.4366	1.9929	0.0583	0.1003	0.0470	0.0339
Mali	2009	I	1.3942	1.3623	1.4646	1.9580	0.0510	0.0935	0.0468	0.0289
Mali	2010	O	1.4128	1.3884	1.5195	1.8184	0.0431	0.0986	0.0437	0.0216
Mauritania	1997	I	1.0551	1.0678	1.0740	1.2654	0.0226	0.0174	0.0066	0.0298
Mauritania	1998	I	1.0676	1.0779	1.0823	1.2432	0.0219	0.0178	0.0065	0.0209
Mauritania	1999	I	1.0796	1.0952	1.0983	1.2445	0.0202	0.0182	0.0064	0.0173
Mauritania	2000	O	1.1024	1.1225	1.1257	1.3391	0.0204	0.0218	0.0074	0.0177
Mauritania	2001	I	1.1329	1.1440	1.1477	1.3365	0.0215	0.0237	0.0087	0.0191
Mauritania	2002	I	1.1473	1.1597	1.1635	1.3036	0.0194	0.0240	0.0088	0.0166
Mauritania	2003	I	1.1823	1.1832	1.1866	1.2533	0.0175	0.0273	0.0111	0.0141
Mauritania	2004	O	1.2110	1.2140	1.2154	1.2468	0.0183	0.0323	0.0143	0.0151
Mauritania	2005	I	1.2500	1.2500	1.2500	1.2500	0.0178	0.0373	0.0175	0.0147
Mauritania	2006	I	1.2863	1.2840	1.2795	1.4498	0.0173	0.0254	0.0110	0.0114
Mauritania	2007	I	1.3249	1.3187	1.3073	1.5680	0.0170	0.0290	0.0129	0.0128
Mauritania	2008	O	1.4579	1.3983	1.3670	1.6393	0.0181	0.0371	0.0145	0.0145
Mauritania	2009	E	1.4661	1.3539	1.2106	1.5879	0.0174	0.0296	0.0139	0.0150
Mauritania	2010	E	1.1990	1.3636	1.1630	1.5177	0.0082	0.0135	0.0073	0.0033
Mozambique	1997	I	1.0536	1.0678	1.0740	1.8956	0.2353	0.1987	0.0988	0.1763
Mozambique	1998	I	1.0621	1.0779	1.0823	2.0141	0.2269	0.1956	0.0928	0.1653
Mozambique	1999	I	1.0680	1.0952	1.0983	2.2113	0.2172	0.1939	0.0891	0.1539
Mozambique	2000	I	1.0978	1.1225	1.1257	2.1713	0.2301	0.2178	0.1100	0.1760
Mozambique	2001	I	1.1198	1.1440	1.1477	2.0858	0.2336	0.2377	0.1173	0.1860
Mozambique	2002	O	1.1474	1.1597	1.1635	2.0064	0.1582	0.1727	0.0800	0.1152
Mozambique	2003	I	1.1830	1.1832	1.1866	1.7276	0.1495	0.1752	0.0840	0.1139
Mozambique	2004	I	1.2073	1.2140	1.2154	1.5115	0.1429	0.1682	0.0778	0.1099
Mozambique	2005	I	1.2500	1.2500	1.2500	1.2500	0.1321	0.1559	0.0710	0.0999
Mozambique	2006	I	1.2888	1.2840	1.2369	1.4708	0.1274	0.1570	0.0724	0.0960
Mozambique	2007	O	1.3317	1.3187	1.2232	1.5699	0.1168	0.1540	0.0704	0.0888
Mozambique	2008	E	1.3835	1.3616	1.2087	1.6112	0.1081	0.1443	0.0706	0.0795
Mozambique	2009	E	1.3965	1.3623	1.1831	1.5180	0.1059	0.1415	0.0723	0.0825
Mozambique	2010	E	1.2444	1.3187	1.1324	1.3573	0.0651	0.1069	0.0577	0.0595
Namibia	1997	I	1.1249	1.0678	1.0686	1.6719	0.0461	0.0347	0.0148	0.0520
Namibia	1998	I	1.0589	1.0779	1.0772	1.6603	0.0377	0.0301	0.0124	0.0413
Namibia	1999	I	1.0718	1.0952	1.0930	1.6325	0.0322	0.0273	0.0110	0.0378
Namibia	2000	I	1.0974	1.1225	1.1210	1.6125	0.0257	0.0204	0.0083	0.0205
Namibia	2001	I	1.1325	1.1440	1.1439	1.5728	0.0190	0.0149	0.0058	0.0140
Namibia	2002	I	1.1488	1.1597	1.1592	1.5285	0.0174	0.0147	0.0055	0.0132
Namibia	2003	O	1.1832	1.1832	1.1829	1.4335	0.0126	0.0111	0.0041	0.0103
Namibia	2004	I	1.2158	1.2140	1.2113	1.3460	0.0114	0.0102	0.0035	0.0095
Namibia	2005	I	1.2500	1.2500	1.2500	1.2500	0.0109	0.0112	0.0037	0.0083
Namibia	2006	I	1.2828	1.2840	1.2812	1.3576	0.0081	0.0095	0.0029	0.0054
Namibia	2007	I	1.3256	1.3187	1.3818	1.4099	0.0064	0.0081	0.0029	0.0046
Namibia	2008	I	1.3633	1.3484	1.3797	1.4659	0.0050	0.0064	0.0019	0.0028
Namibia	2009	I	1.3492	1.3363	1.3568	1.4693	0.0035	0.0047	0.0009	0.0019
Namibia	2010	E	1.3471	1.4096	1.3253	1.4780	0.0040	0.0061	0.0016	0.0023
Niger	1997	I	1.0530	1.0678	1.0740	2.6242	0.2242	0.1911	0.1083	0.1517
Niger	1998	I	1.0630	1.0779	1.0823	2.5897	0.1954	0.1704	0.0948	0.1340
Niger	1999	I	1.0728	1.0952	1.0983	2.3537	0.1925	0.1768	0.0990	0.1305

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Niger	2000	I	1.0978	1.1225	1.1257	2.0924	0.2144	0.2008	0.1207	0.1427
Niger	2001	I	1.1294	1.1440	1.1477	1.9712	0.2055	0.1958	0.1194	0.1399
Niger	2002	I	1.1466	1.1597	1.1635	1.9187	0.2016	0.1978	0.1212	0.1419
Niger	2003	I	1.1767	1.1773	1.1866	1.8359	0.1961	0.1983	0.1242	0.1288
Niger	2004	I	1.2072	1.2146	1.2154	1.6238	0.2005	0.2123	0.1291	0.1289
Niger	2005	O	1.2500	1.2500	1.2500	1.2500	0.2140	0.2237	0.1379	0.1506
Niger	2006	I	1.2882	1.2840	1.2980	1.6543	0.1842	0.2045	0.1208	0.1275
Niger	2007	O	1.3275	1.3187	1.3455	1.9141	0.1528	0.1785	0.0960	0.0975
Niger	2008	I	1.3857	1.3674	1.4026	2.0813	0.1460	0.1878	0.0923	0.0941
Niger	2009	I	1.4126	1.3733	1.4179	2.1150	0.1478	0.1948	0.0985	0.0859
Niger	2010	I	1.4276	1.4195	1.4582	1.9440	0.1522	0.2081	0.1100	0.0790
Nigeria	1997	I	0.9239	0.2360	0.1813	0.7707	0.0616	0.0528	0.0061	0.0319
Nigeria	1998	I	0.9387	0.2771	0.2039	0.8389	0.0638	0.0601	0.0066	0.0494
Nigeria	1999	I	0.9739	0.3628	0.2341	0.9073	0.0780	0.1579	0.0174	0.0518
Nigeria	2000	I	0.9756	0.4434	0.2762	1.0234	0.0753	0.1745	0.0192	0.0260
Nigeria	2001	I	0.9954	0.3603	0.3316	1.1119	0.0332	0.0259	0.0041	0.0096
Nigeria	2002	I	1.0176	0.6400	0.4088	1.2271	0.0337	0.0689	0.0044	0.0166
Nigeria	2003	O	1.0452	0.7324	0.5320	1.2682	0.0244	0.0387	0.0023	0.0104
Nigeria	2004	I	1.1882	1.2117	0.7525	1.2789	0.0319	0.0743	0.0042	0.0187
Nigeria	2005	I	1.2500	1.2500	1.2500	1.2500	0.0377	0.0416	0.0049	0.0287
Nigeria	2006	I	1.4099	1.9727	1.3326	1.5072	0.0692	0.1688	0.0124	0.0675
Nigeria	2007	I	1.2662	1.4177	1.4202	1.6462	0.0262	0.0382	0.0036	0.0150
Nigeria	2008	I	1.2269	1.9457	1.5241	1.7253	0.0449	0.1183	0.0081	0.0363
Nigeria	2009	O	0.9406	1.3433	1.5888	1.6192	0.0266	0.0345	0.0043	0.0186
Nigeria	2010	I	1.1873	1.0031	1.6877	1.5656	0.0411	0.0157	0.0040	0.0054
Rawanda	1997	E	1.0468	0.9859	0.9400	1.9532	0.1775	0.1148	0.0759	0.0913
Rawanda	1998	E	1.0579	1.0049	0.9536	1.9552	0.1790	0.1336	0.0850	0.1041
Rawanda	1999	E	1.0667	1.0311	0.9743	1.8898	0.1790	0.1581	0.0986	0.1323
Rawanda	2000	O	1.0873	1.0672	1.0783	1.8401	0.1841	0.1736	0.1001	0.1504
Rawanda	2001	I	1.1158	1.0984	1.1013	1.7220	0.1764	0.1869	0.1097	0.1455
Rawanda	2002	I	1.1297	1.1247	1.1245	1.6081	0.1524	0.1815	0.1024	0.1245
Rawanda	2003	I	1.1761	1.1592	1.1681	1.4629	0.1773	0.2154	0.1253	0.1627
Rawanda	2004	I	1.2078	1.2015	1.2060	1.3429	0.1749	0.2202	0.1248	0.1549
Rawanda	2005	O	1.2500	1.2500	1.2500	1.2500	0.1613	0.2086	0.1108	0.1395
Rawanda	2006	I	1.2830	1.2840	1.3440	1.3542	0.1303	0.1835	0.1013	0.1012
Rawanda	2007	I	1.3248	1.3155	1.2156	1.4262	0.1164	0.1758	0.0980	0.0871
Rawanda	2008	I	1.3832	1.3616	1.3976	1.5167	0.1092	0.1791	0.0802	0.0864
Rawanda	2009	I	1.3938	1.3623	1.4769	1.5389	0.0852	0.1467	0.0691	0.0634
Rawanda	2010	O	1.4162	1.3884	1.5027	1.5359	0.0736	0.1365	0.0644	0.0534
Senegal	1997	I	1.0569	1.1597	1.1587	1.7223	0.0231	0.0064	0.0042	0.0152
Senegal	1998	I	1.0684	1.1582	1.1563	1.9639	0.0197	0.0059	0.0035	0.0119
Senegal	1999	I	1.0793	1.1645	1.1620	2.0070	0.0181	0.0066	0.0035	0.0106
Senegal	2000	I	1.1027	1.1810	1.1797	1.9312	0.0173	0.0082	0.0037	0.0097
Senegal	2001	O	1.1328	1.1912	1.1913	1.8823	0.0150	0.0078	0.0029	0.0088
Senegal	2002	I	1.1470	1.1952	1.1963	1.7930	0.0165	0.0114	0.0049	0.0102
Senegal	2003	I	1.1807	1.2072	1.2087	1.6519	0.0189	0.0156	0.0097	0.0130
Senegal	2004	I	1.2074	1.2262	1.2267	1.4764	0.0205	0.0188	0.0122	0.0154
Senegal	2005	O	1.2500	1.2500	1.2500	1.2500	0.0182	0.0187	0.0089	0.0128
Senegal	2006	I	1.2857	1.2840	1.2823	1.4766	0.0184	0.0200	0.0105	0.0133
Senegal	2007	I	1.3247	1.3187	1.3130	1.6410	0.0178	0.0205	0.0112	0.0130
Senegal	2008	I	1.3818	1.3616	1.3518	1.7468	0.0182	0.0222	0.0116	0.0132

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Senegal	2009	I	1.3831	1.3585	1.3495	1.7062	0.0182	0.0205	0.0117	0.0127
Senegal	2010	I	1.4348	1.3921	1.3686	1.6100	0.0198	0.0232	0.0128	0.0134
Sierra Leone	1997	I	1.0496	1.9566	1.9538	2.3655	0.2192	0.1776	0.1353	0.2920
Sierra Leone	1998	I	1.0656	1.7931	1.7918	2.2504	0.2140	0.1908	0.1382	0.3039
Sierra Leone	1999	I	1.0764	1.6716	1.6660	2.3389	0.2154	0.2162	0.1543	0.3587
Sierra Leone	2000	I	1.0882	1.5702	1.5835	2.1545	0.1562	0.1873	0.1205	0.2420
Sierra Leone	2001	I	1.0750	1.4890	1.4998	2.0624	0.1119	0.1382	0.0768	0.0984
Sierra Leone	2002	I	1.1719	1.4076	1.4190	1.9983	0.0780	0.0979	0.0470	0.0630
Sierra Leone	2003	O	0.9786	1.3342	1.3467	1.8106	0.0395	0.0885	0.0389	0.0530
Sierra Leone	2004	I	1.0732	1.2889	1.2984	1.5471	0.0429	0.0879	0.0357	0.0481
Sierra Leone	2005	I	1.2500	1.2500	1.2500	1.2500	0.0627	0.0896	0.0353	0.0477
Sierra Leone	2006	I	1.3695	1.2769	1.2897	1.4984	0.1023	0.0909	0.0349	0.0437
Sierra Leone	2007	I	1.3676	1.3152	1.3420	1.6087	0.0881	0.0783	0.0283	0.0348
Sierra Leone	2008	I	1.4826	1.3799	1.4027	1.6728	0.0958	0.0706	0.0241	0.0271
Sierra Leone	2009	I	1.4654	1.3630	1.4219	1.6508	0.0816	0.0559	0.0198	0.0185
Sierra Leone	2010	I	1.5048	1.5283	1.4735	1.5856	0.0822	0.0645	0.0322	0.0262
South Africa	1997	I	1.0513	1.0678	1.0741	1.1463	0.0021	0.0012	0.0002	0.0016
South Africa	1998	I	1.0626	1.0779	1.0851	1.1549	0.0027	0.0017	0.0003	0.0020
South Africa	1999	I	1.0764	1.0952	1.1015	1.1635	0.0033	0.0022	0.0005	0.0026
South Africa	2000	I	1.1003	1.1225	1.1295	1.1868	0.0037	0.0027	0.0007	0.0030
South Africa	2001	O	1.1292	1.1440	1.1515	1.1991	0.0039	0.0031	0.0008	0.0031
South Africa	2002	I	1.1436	1.1597	1.1678	1.2117	0.0040	0.0036	0.0009	0.0033
South Africa	2003	I	1.1829	1.1832	1.1979	1.2184	0.0045	0.0042	0.0011	0.0037
South Africa	2004	I	1.2101	1.2140	1.2154	1.2335	0.0044	0.0045	0.0012	0.0036
South Africa	2005	O	1.2500	1.2500	1.2500	1.2500	0.0044	0.0048	0.0013	0.0035
South Africa	2006	I	1.2767	1.2840	1.2720	1.2761	0.0031	0.0038	0.0012	0.0023
South Africa	2007	I	1.3332	1.3187	1.2835	1.2878	0.0024	0.0031	0.0009	0.0017
South Africa	2008	O	1.3844	1.3616	1.2917	1.3167	0.0020	0.0028	0.0008	0.0014
South Africa	2009	I	1.3744	1.3622	1.2533	1.3136	0.0028	0.0036	0.0012	0.0019
South Africa	2010	O	1.3767	1.3868	1.2431	1.3392	0.0031	0.0041	0.0014	0.0020
Swaziland	1997	I	0.9873	1.5643	1.4278	1.7619	0.0138	0.0058	0.0018	0.0102
Swaziland	1998	I	0.9970	1.4868	1.4033	1.7362	0.0095	0.0044	0.0012	0.0062
Swaziland	1999	I	1.0249	1.4273	1.3294	1.7019	0.0070	0.0037	0.0010	0.0044
Swaziland	2000	O	1.0867	1.3863	1.4803	1.6845	0.0053	0.0029	0.0007	0.0028
Swaziland	2001	I	1.1014	1.3405	1.5174	1.6495	0.0061	0.0036	0.0008	0.0031
Swaziland	2002	I	1.0810	1.2498	1.4022	1.6047	0.0074	0.0038	0.0009	0.0037
Swaziland	2003	I	1.1228	0.2516	1.2839	1.5020	0.0082	0.0060	0.0009	0.0038
Swaziland	2004	I	1.2365	0.2529	1.3052	1.3862	0.0067	0.0067	0.0009	0.0029
Swaziland	2005	I	1.2500	1.2500	1.2500	1.2500	0.0062	0.0048	0.0008	0.0025
Swaziland	2006	I	1.4370	1.2226	1.4619	1.4150	0.0056	0.0037	0.0009	0.0021
Swaziland	2007	I	1.3915	1.1004	1.4974	1.5203	0.0054	0.0027	0.0009	0.0013
Swaziland	2008	I	1.4162	1.3028	1.6009	1.5945	0.0037	0.0021	0.0008	0.0010
Swaziland	2009	O	1.3615	1.3538	1.5729	1.5934	0.0035	0.0018	0.0007	0.0009
Swaziland	2010	E	1.3752	1.2365	1.5043	1.5670	0.0024	0.0013	0.0003	0.0007
Tanzania	1997	I	1.0510	0.9508	0.9586	1.3495	0.1073	0.0546	0.0247	0.1234
Tanzania	1998	I	1.0768	0.9731	0.9857	1.6627	0.0952	0.0504	0.0207	0.0815
Tanzania	1999	I	1.0923	1.0027	1.0131	1.9047	0.0925	0.0535	0.0200	0.0780
Tanzania	2000	O	1.1134	1.0424	1.0521	1.9721	0.0950	0.0635	0.0233	0.0794
Tanzania	2001	I	1.1418	1.0777	1.0874	1.9495	0.0949	0.0719	0.0247	0.0770
Tanzania	2002	I	1.1554	1.1086	1.1166	1.8678	0.0896	0.0753	0.0247	0.0688
Tanzania	2003	I	1.1899	1.1479	1.1543	1.6398	0.0903	0.0884	0.0278	0.0717

Table S4 FGT(2) Index

Country	Year	Data	Poverty Lines				FGT2			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Tanzania	2004	I	1.2123	1.1956	1.1987	1.4413	0.0838	0.0945	0.0283	0.0642
Tanzania	2005	I	1.2500	1.2500	1.2500	1.2500	0.0702	0.0923	0.0253	0.0482
Tanzania	2006	I	1.2827	1.2840	1.2519	1.2686	0.0624	0.0983	0.0278	0.0453
Tanzania	2007	O	1.3204	1.3187	1.3382	1.3114	0.0583	0.1037	0.0302	0.0442
Tanzania	2008	I	1.3734	1.3616	1.3381	1.3723	0.0519	0.0993	0.0204	0.0400
Tanzania	2009	I	1.3855	1.3623	1.3136	1.3650	0.0477	0.0904	0.0135	0.0385
Tanzania	2010	I	1.3185	1.3884	1.3069	1.3513	0.0359	0.0820	0.0093	0.0292
Uganda	1997	I	1.0220	1.0678	1.0722	1.9507	0.0634	0.0742	0.0234	0.0884
Uganda	1998	I	1.0324	1.0780	1.0884	1.8894	0.0639	0.0796	0.0273	0.0797
Uganda	1999	O	1.0441	1.0953	1.1102	1.8060	0.0686	0.0887	0.0332	0.0903
Uganda	2000	I	1.0631	1.1226	1.1258	1.7016	0.0677	0.0941	0.0367	0.0793
Uganda	2001	I	1.1112	1.1441	1.1478	1.6389	0.0697	0.0919	0.0362	0.0799
Uganda	2002	O	1.1382	1.1598	1.1636	1.5845	0.0670	0.0906	0.0341	0.0796
Uganda	2003	I	1.1791	1.1833	1.1867	1.4278	0.0677	0.0981	0.0389	0.0857
Uganda	2004	I	1.2066	1.2141	1.2155	1.3361	0.0653	0.1004	0.0404	0.0638
Uganda	2005	O	1.2500	1.2500	1.2500	1.2500	0.0554	0.0893	0.0327	0.0741
Uganda	2006	I	1.2854	1.2841	1.2966	1.3341	0.0465	0.0787	0.0290	0.0634
Uganda	2007	I	1.3321	1.3188	1.3426	1.4037	0.0494	0.0858	0.0326	0.0664
Uganda	2008	I	1.3897	1.3617	1.3980	1.4770	0.0461	0.0837	0.0321	0.0805
Uganda	2009	O	1.3605	1.3616	1.2784	1.4363	0.0379	0.0691	0.0210	0.0471
Uganda	2010	E	1.4227	1.3366	1.3417	1.4009	0.0367	0.0501	0.0180	0.0336
Zambia	1997	I	1.1564	0.8842	0.8844	1.1862	0.1177	0.0776	0.0529	0.1125
Zambia	1998	I	1.1871	0.9185	0.9190	1.4108	0.1377	0.1053	0.0688	0.1396
Zambia	1999	I	1.2238	0.9612	0.9626	1.6192	0.1192	0.0927	0.0495	0.1380
Zambia	2000	I	1.2627	1.0156	1.0195	1.6918	0.0901	0.0687	0.0343	0.0836
Zambia	2001	I	1.5833	1.3382	1.0751	1.7774	0.1004	0.0797	0.0216	0.0673
Zambia	2002	O	1.4711	1.2842	1.1287	1.7841	0.0699	0.0611	0.0164	0.0452
Zambia	2003	I	1.4557	1.3146	1.2553	1.6178	0.1101	0.1133	0.0544	0.0928
Zambia	2004	O	1.2140	1.1651	1.1161	1.4402	0.1193	0.1332	0.0708	0.1154
Zambia	2005	I	1.2500	1.2500	1.2500	1.2500	0.1273	0.1501	0.0820	0.1320
Zambia	2006	O	1.1604	1.1671	1.1571	1.5380	0.1068	0.1317	0.0653	0.0980
Zambia	2007	I	1.4378	1.4454	1.3301	1.6665	0.0806	0.1041	0.0401	0.0333
Zambia	2008	I	1.5355	1.5456	1.5802	1.7622	0.0866	0.1192	0.0613	0.0454
Zambia	2009	I	1.4125	1.4563	1.6240	1.6648	0.0792	0.1191	0.0578	0.0481
Zambia	2010	O	1.4460	1.4764	1.2847	1.5209	0.0677	0.0813	0.0278	0.0221

Table S5 Watts Poverty Index

Country	Year	Data	Poverty Lines				Watts			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Angola	1997	E	0.6422	1.0768	0.9505	1.4707	0.8158	0.9555	0.2203	0.9014
Angola	1998	E	1.1603	1.0987	3.2233	1.4418	0.5118	0.5689	0.6245	0.6073
Angola	1999	E	0.6525	1.1057	0.7450	1.4163	0.6794	0.8393	0.1374	0.6173
Angola	2000	O	0.9201	1.1225	1.5199	1.5024	0.7111	0.8875	0.5374	0.9452
Angola	2001	I	1.2643	1.1440	1.6926	1.5013	0.3996	0.5030	0.2815	0.4266
Angola	2002	I	1.1452	1.1597	1.6189	1.4635	0.3351	0.5057	0.2493	0.3016
Angola	2003	I	1.0400	1.1832	1.0160	1.3937	0.1949	0.4029	0.1859	0.1882
Angola	2004	I	1.0461	1.2140	1.0637	1.3256	0.1535	0.3930	0.1755	0.1529
Angola	2005	I	1.2500	1.2500	1.2500	1.2500	0.1424	0.4463	0.2041	0.1675
Angola	2006	I	1.1322	1.2840	1.1458	1.4492	0.1018	0.4569	0.1323	0.1059
Angola	2007	I	1.6782	1.3187	1.4375	1.5722	0.0697	0.2862	0.1573	0.0661
Angola	2008	O	1.6193	1.3616	1.5549	1.6179	0.0319	0.2202	0.1235	0.0312
Angola	2009	E	2.0874	1.3623	1.8513	1.5383	0.0223	0.1006	0.1378	0.0316
Angola	2010	E	1.7210	1.3884	1.5481	1.3907	0.0073	0.0673	0.0520	0.0074
Burnika Faso	1997	I	1.0445	1.0678	1.0740	2.2018	0.4538	0.0733	0.2415	0.3125
Burnika Faso	1998	O	1.0587	1.0779	1.0823	2.2155	0.3756	0.3981	0.1775	0.2447
Burnika Faso	1999	I	1.0688	1.0952	1.0983	2.1351	0.2958	0.3138	0.1258	0.1903
Burnika Faso	2000	I	1.0922	1.1225	1.1257	1.9470	0.2883	0.3366	0.1411	0.1885
Burnika Faso	2001	I	1.1253	1.1440	1.1477	1.8926	0.2698	0.3114	0.1223	0.1833
Burnika Faso	2002	I	1.1426	1.1597	1.1635	1.8234	0.2556	0.2935	0.1135	0.1589
Burnika Faso	2003	O	1.1767	1.1832	1.1866	1.6865	0.2208	0.2455	0.0898	0.1229
Burnika Faso	2004	I	1.2050	1.2140	1.2154	1.4999	0.2160	0.2581	0.0965	0.1188
Burnika Faso	2005	I	1.2500	1.2500	1.2500	1.2500	0.2012	0.2482	0.0925	0.1140
Burnika Faso	2006	I	1.2884	1.2840	1.2573	1.4807	0.2032	0.2762	0.1093	0.1244
Burnika Faso	2007	I	1.3245	1.3187	1.2611	1.6139	0.2078	0.2977	0.1193	0.1249
Burnika Faso	2008	I	1.3648	1.3616	1.2734	1.7026	0.1779	0.2742	0.1055	0.1036
Burnika Faso	2009	O	1.4937	1.3623	1.2477	1.6397	0.1904	0.2761	0.1074	0.1101
Burnika Faso	2010	E	1.5605	1.5064	1.2410	1.4863	0.1816	0.2646	0.0936	0.0804
Burundi	1997	I	0.6665	0.8282	1.0481	1.0986	0.3549	0.3072	0.3189	0.4751
Burundi	1998	O	0.6652	0.6739	1.0562	1.0726	0.3266	0.2858	0.3131	0.4119
Burundi	1999	I	0.6956	0.7191	1.0718	1.0808	0.3565	0.3057	0.3342	0.4632
Burundi	2000	I	0.7593	0.7955	1.0986	1.3183	0.3649	0.3255	0.3749	0.3805
Burundi	2001	I	0.7942	0.8107	1.1201	1.3023	0.3745	0.3477	0.4045	0.3580
Burundi	2002	I	0.7962	0.8219	1.1355	1.1049	0.3401	0.3231	0.3892	0.3163
Burundi	2003	I	0.8080	0.8386	1.1581	0.9448	0.3507	0.3567	0.4349	0.3119
Burundi	2004	I	0.8343	0.8604	1.1862	0.9716	0.3496	0.3649	0.4469	0.2997
Burundi	2005	I	1.2500	1.2500	1.2500	1.2500	0.5734	0.6183	0.4246	0.4823
Burundi	2006	O	1.2483	1.2463	1.1754	1.3910	0.4880	0.5597	0.3604	0.3829
Burundi	2007	E	1.2689	1.2608	1.1038	1.4122	0.4784	0.5681	0.3550	0.3770
Burundi	2008	E	1.5407	1.2920	1.0760	1.4265	0.6553	0.5289	0.3118	0.3448
Burundi	2009	E	1.4419	1.3582	1.0999	1.4021	0.5933	0.5929	0.2527	0.2813
Burundi	2010	E	1.5096	1.4306	1.2173	1.4262	0.6173	0.6167	0.2726	0.2689
Cameroon	1997	I	1.0542	1.1485	1.1476	1.3378	0.0413	0.0113	0.0060	0.0361
Cameroon	1998	I	1.0663	1.1485	1.1466	1.3515	0.0404	0.0136	0.0068	0.0353
Cameroon	1999	I	1.0783	1.1562	1.1537	1.3150	0.0390	0.0161	0.0074	12.4033
Cameroon	2000	I	1.1009	1.1741	1.1727	1.2751	0.0393	0.0212	0.0097	0.0325
Cameroon	2001	O	1.1284	1.1857	1.1857	1.2573	0.0354	0.0227	0.0095	0.0309
Cameroon	2002	I	1.1445	1.1911	1.1921	1.2463	0.0374	0.0299	0.0118	0.0329
Cameroon	2003	I	1.1843	1.2044	1.1896	1.2279	0.0318	0.0282	0.0096	0.0266
Cameroon	2004	I	1.2081	1.2248	1.2253	1.2288	0.0285	0.0302	0.0100	0.0248
Cameroon	2005	I	1.2500	1.2500	1.2500	1.2500	0.0259	0.0331	0.0099	0.0227
Cameroon	2006	I	1.2872	1.2840	1.2933	1.2685	0.0230	0.0321	0.0095	0.0193
Cameroon	2007	O	1.3280	1.3187	1.3358	1.2974	0.0135	0.0257	0.0043	0.0111
Cameroon	2008	E	1.3793	1.3616	1.3873	1.3544	0.0140	0.0287	0.0061	0.0124
Cameroon	2009	E	1.3750	1.3623	1.3971	1.3795	0.0130	0.0265	0.0055	0.0163
Cameroon	2010	E	1.3868	1.3884	1.4315	1.4384	0.0130	0.0242	0.0068	0.0147
Central African Republic	1997	I	1.0894	1.0678	1.0740	1.9030	0.6680	0.5306	0.3565	0.5045
Central African Republic	1998	I	1.0669	1.0779	1.0823	1.8431	0.5919	0.4704	0.3044	0.4335
Central African Republic	1999	I	1.1018	1.0952	1.0983	1.7397	0.5915	0.4827	0.3105	0.4411
Central African Republic	2000	I	1.1207	1.1225	1.1257	1.6167	0.5396	0.4458	0.2820	0.3889
Central African Republic	2001	I	1.1415	1.1440	1.1477	1.5723	0.4923	0.4078	0.2497	0.3431
Central African Republic	2002	I	1.1575	1.1597	1.1635	1.5322	0.4819	0.4062	0.2487	0.3317

Table S5 Watts Poverty Index

Country	Year	Data	Poverty Lines				Watts			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Central African Republic	2003	O	1.1815	1.1832	1.1866	1.4934	0.5042	0.4307	0.2682	0.3377
Central African Republic	2004	I	1.2083	1.2140	1.2154	1.4018	0.4983	0.4396	0.2783	0.3349
Central African Republic	2005	I	1.2500	1.2500	1.2500	1.2500	0.5344	0.4840	0.3145	0.3664
Central African Republic	2006	I	1.2617	1.2840	1.2757	1.4028	0.5746	0.5404	0.3462	0.4015
Central African Republic	2007	I	1.3084	1.3187	1.3385	1.5034	0.6094	0.5920	0.3907	0.4368
Central African Republic	2008	O	1.3687	1.3616	1.3293	1.5824	0.6335	0.6214	0.4158	0.4423
Central African Republic	2009	E	1.3933	1.3623	1.3365	1.6100	0.6680	0.6634	0.4443	0.4887
Central African Republic	2010	E	1.4445	1.3884	1.3452	1.5736	0.5817	0.6020	0.3844	0.4149
Ethiopia	1997	I	1.0516	1.2040	1.2652	1.2484	0.4481	0.3704	0.2433	0.4026
Ethiopia	1998	I	1.0662	1.1964	1.2298	1.2008	0.4866	0.4450	0.2958	0.4177
Ethiopia	1999	O	1.0741	1.1968	1.2052	1.1405	0.4318	0.4301	0.2740	0.3472
Ethiopia	2000	I	1.0987	1.2080	1.1945	1.2650	0.5098	0.5182	0.3457	0.4750
Ethiopia	2001	I	1.1274	1.2126	1.2639	1.2815	0.4583	0.5108	0.3430	0.4251
Ethiopia	2002	I	1.1415	1.2111	1.1969	1.3214	0.4669	0.5225	0.3451	0.4679
Ethiopia	2003	I	1.1792	1.2177	1.2148	1.2132	0.4950	0.6182	0.4342	0.5048
Ethiopia	2004	I	1.2087	1.2314	1.2746	1.1774	0.4849	0.6237	0.4325	0.4862
Ethiopia	2005	O	1.2500	1.2500	1.2500	1.2500	0.3173	0.4581	0.2882	0.2784
Ethiopia	2006	I	1.2862	1.2840	1.1989	1.2302	0.2617	0.4001	0.2434	0.2195
Ethiopia	2007	I	1.3273	1.3187	1.3121	1.2343	0.2207	0.3479	0.2085	0.1567
Ethiopia	2008	I	1.3786	1.3530	1.3827	1.3241	0.1842	0.3035	0.1897	0.1387
Ethiopia	2009	I	1.4034	1.3651	1.2494	1.3088	0.1562	0.2334	0.1391	0.1042
Ethiopia	2010	O	1.4271	1.4031	1.3110	1.2634	0.1343	0.2083	0.1336	0.0919
Gambia	1997	E	1.0883	1.0957	1.2286	2.2543	0.4335	0.3903	0.2701	0.4257
Gambia	1998	O	1.1052	1.0956	1.2308	2.2558	0.2147	0.2036	0.1129	0.2467
Gambia	1999	I	1.1190	1.1292	1.2607	2.2116	0.1930	0.2159	0.1088	0.2247
Gambia	2000	I	1.1406	1.1623	1.2966	2.1393	0.1599	0.1950	0.0947	0.1829
Gambia	2001	I	1.2353	1.1536	1.3087	1.9205	0.1889	0.2469	0.1174	0.2311
Gambia	2002	I	0.9078	1.1694	0.9345	1.6288	0.0777	0.2441	0.1120	0.1036
Gambia	2003	O	1.3518	1.1931	1.3839	1.4421	0.1720	0.2923	0.1462	0.2333
Gambia	2004	E	1.2183	1.2242	1.2179	1.3148	0.1410	0.2164	0.1020	0.1066
Gambia	2005	E	1.2500	1.2500	1.2500	1.2500	0.1495	0.2324	0.0878	0.0912
Gambia	2006	E	1.3030	1.3016	1.2486	1.2578	0.1588	0.2518	0.0882	0.0897
Gambia	2007	E	1.3419	1.3348	1.2454	1.2851	0.1613	0.2615	0.1055	0.1013
Gambia	2008	E	1.4797	1.4665	1.2497	1.3181	0.1833	0.2983	0.1044	0.1066
Gambia	2009	E	1.4641	1.4366	1.2191	1.2810	0.1758	0.2825	0.1065	0.1151
Gambia	2010	E	1.4155	1.3996	1.2067	1.2638	0.1328	0.2325	0.0691	0.0732
Ghana	1997	I	1.0473	1.0547	1.0053	1.5629	0.0693	0.0430	0.0115	0.1394
Ghana	1998	O	1.0628	1.0650	1.0130	1.5577	0.0758	0.0485	0.0134	0.1670
Ghana	1999	I	1.0707	1.0825	1.0280	1.5081	0.0458	0.0304	0.0077	0.0761
Ghana	2000	I	1.1022	1.1090	1.0208	1.4700	0.0687	0.0610	0.0167	0.1427
Ghana	2001	I	1.1339	1.1298	1.0193	1.4604	0.0878	0.0802	0.0229	0.2069
Ghana	2002	I	1.1381	1.1462	1.0913	1.4301	0.0681	0.0597	0.0196	0.1502
Ghana	2003	I	1.1756	1.1691	1.0799	1.3556	0.0673	0.0591	0.0182	0.1393
Ghana	2004	I	1.2080	1.2140	1.1460	1.2935	0.0577	0.0565	0.0192	0.1072
Ghana	2005	O	1.2500	1.2500	1.2500	1.2500	0.0541	0.0538	0.0221	0.1116
Ghana	2006	E	1.2862	1.2840	1.2285	1.3685	0.0613	0.0623	0.0265	0.0472
Ghana	2007	E	1.3235	1.3057	1.2074	1.4381	0.0594	0.0659	0.0287	0.0466
Ghana	2008	E	1.3799	1.3481	1.1952	1.4598	0.0514	0.0589	0.0278	0.0422
Ghana	2009	E	1.4111	1.4266	1.1489	1.3862	0.0585	0.0666	0.0298	0.0450
Ghana	2010	E	1.4316	1.5398	1.1257	1.3043	0.0379	0.0462	0.0199	0.0278
Guinea	1997	I	1.0307	1.8694	1.8145	2.0068	0.3035	0.1673	0.0904	0.2212
Guinea	1998	I	1.0342	1.7302	1.6383	1.8159	0.2459	0.1508	0.0723	0.1314
Guinea	1999	I	1.0526	1.6230	1.5060	1.7712	0.2432	0.1640	0.0705	0.1430
Guinea	2000	I	1.0778	1.5448	1.3951	1.7800	0.2335	0.1731	0.0708	0.1198
Guinea	2001	I	1.1121	1.4696	1.3096	1.8068	0.2229	0.1764	0.0685	0.1413
Guinea	2002	I	1.1200	1.3968	1.2302	1.8371	0.2097	0.1905	0.0719	0.1332
Guinea	2003	O	1.1631	1.3414	1.3489	1.6925	0.2522	0.2349	0.1326	0.1989
Guinea	2004	I	1.2088	1.2999	1.2932	1.5105	0.2573	0.2577	0.1367	0.2069
Guinea	2005	I	1.2500	1.2500	1.2500	1.2500	0.2814	0.3617	0.1549	0.2332
Guinea	2006	I	1.4706	1.2840	1.2207	1.4727	0.3509	0.3138	0.1676	0.2781
Guinea	2007	O	1.4274	1.3187	1.4269	1.7133	0.2714	0.3195	0.1825	0.3089
Guinea	2008	E	1.4290	1.3616	1.7329	1.8706	0.3137	0.3219	0.2212	0.3437

Table S5 Watts Poverty Index

Country	Year	Data	Poverty Lines				Watts			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Guinea	2009	E	0.9664	1.3623	1.4295	1.8383	0.2585	0.3815	0.1799	0.3398
Guinea	2010	E	0.9257	1.3884	1.4047	1.7124	0.1749	0.3285	0.1269	0.2100
Guinea Bissau	1997	I	1.0510	1.0678	1.1837	3.1201	0.1151	0.0799	0.0495	0.2071
Guinea Bissau	1998	I	1.0619	1.0779	1.1275	2.9885	0.1764	0.1267	0.0668	0.3028
Guinea Bissau	1999	I	1.0745	1.0952	1.2202	2.8827	0.1802	0.1258	0.0661	0.3024
Guinea Bissau	2000	I	1.1018	1.1225	1.4294	2.6368	0.1855	0.1345	0.1109	0.1383
Guinea Bissau	2001	I	1.1267	1.1440	1.1338	2.4573	0.1459	0.1013	0.0479	0.0513
Guinea Bissau	2002	O	1.1419	1.1597	1.1726	2.4599	0.1428	0.0997	0.0541	0.0546
Guinea Bissau	2003	E	1.1800	1.1832	1.1894	2.2172	0.1899	0.1677	0.0782	0.0891
Guinea Bissau	2004	E	1.2077	1.2140	1.2560	1.8209	0.1388	0.1299	0.0664	0.0552
Guinea Bissau	2005	E	1.2500	1.2500	1.2500	1.2500	0.1543	0.1477	0.0754	0.0832
Guinea Bissau	2006	E	1.2648	1.2628	1.2923	1.5555	0.1432	0.1528	0.0783	0.0759
Guinea Bissau	2007	E	1.2902	1.2823	1.3336	1.7328	0.1422	0.1566	0.0850	0.0735
Guinea Bissau	2008	E	1.3360	1.3194	1.3839	1.8523	0.1243	0.1392	0.0680	0.0557
Guinea Bissau	2009	E	1.4101	1.3800	1.3931	1.7942	0.1380	0.1610	0.0838	0.0720
Guinea Bissau	2010	E	1.4725	1.4544	1.4229	1.5742	0.1450	0.1706	0.0735	0.0583
Kenya	1997	O	1.0781	1.2464	1.2454	1.2796	0.1068	0.0426	0.0108	0.0901
Kenya	1998	I	1.0856	1.2324	1.2305	1.3642	0.1057	0.0515	0.0129	0.0902
Kenya	1999	I	1.0974	1.2271	1.2247	1.4337	0.1085	0.0635	0.0164	0.0899
Kenya	2000	I	1.1229	1.2330	1.2317	1.5121	0.1244	0.0901	0.0261	0.1058
Kenya	2001	I	1.1475	1.2323	1.2325	1.5442	0.1240	0.1089	0.0334	0.1105
Kenya	2002	I	1.1562	1.2256	1.2268	1.5250	0.1358	0.1263	0.0402	0.1210
Kenya	2003	I	1.1861	1.2272	1.2289	1.4457	0.1446	0.1420	0.0467	0.1274
Kenya	2004	I	1.2118	1.2362	1.2367	1.3481	0.1278	0.1440	0.0521	0.1146
Kenya	2005	O	1.2500	1.2500	1.2500	1.2500	0.1577	0.1882	0.0674	0.1397
Kenya	2006	E	1.2796	1.2840	1.3128	1.3505	0.1455	0.1872	0.0669	0.1248
Kenya	2007	E	1.3159	1.3187	1.3478	1.4312	0.1383	0.1846	0.0660	0.1182
Kenya	2008	E	1.3803	1.3616	1.3991	1.5226	0.1589	0.2203	0.0766	0.1403
Kenya	2009	E	1.3969	1.3623	1.4267	1.5662	0.1555	0.2032	0.0722	0.1400
Kenya	2010	E	1.3968	1.3884	1.4269	1.6143	0.1127	0.1641	0.0482	0.0975
Lesotho	1997	I	1.0218	1.0280	1.0740	1.6881	0.2677	0.3952	0.2725	0.2462
Lesotho	1998	I	1.0758	1.0652	1.0823	1.6820	0.2491	0.3574	0.2543	0.2210
Lesotho	1999	I	1.0821	1.0824	1.0983	1.6134	0.2214	0.3165	0.2160	0.1952
Lesotho	2000	I	1.0988	1.1093	1.1257	1.5934	0.1960	0.2648	0.1828	0.1747
Lesotho	2001	I	1.1341	1.1431	1.1477	1.5724	0.1837	0.2791	0.1756	0.1579
Lesotho	2002	O	1.1635	1.1605	1.1635	1.6006	0.1688	0.2808	0.1720	0.1547
Lesotho	2003	I	1.1985	1.1836	1.1866	1.5500	0.1641	0.2792	0.1747	0.1593
Lesotho	2004	I	1.2137	1.1997	1.2154	1.4383	0.1584	0.2545	0.1640	0.1479
Lesotho	2005	I	1.2500	1.2500	1.2500	1.2500	0.1559	0.2241	0.1482	0.1362
Lesotho	2006	I	1.2917	1.2844	1.2417	1.4760	0.1554	0.2503	0.1570	0.1337
Lesotho	2007	I	1.3201	1.3189	1.2325	1.5738	0.1495	0.2150	0.1435	0.1229
Lesotho	2008	I	1.3724	1.3615	1.2313	1.5953	0.1436	0.1935	0.1409	0.1141
Lesotho	2009	I	1.3347	1.3566	1.1947	1.5226	0.1282	0.2056	0.1394	0.1104
Lesotho	2010	O	1.3044	1.3766	1.1700	1.4353	0.1207	0.1852	0.1005	0.0978
Madagascar	1997	O	1.0556	0.9057	0.9047	1.2877	0.2254	0.0999	0.0778	0.1699
Madagascar	1998	I	1.0646	0.9319	0.9301	1.4475	0.2307	0.1131	0.0814	0.1614
Madagascar	1999	O	1.0774	0.9656	0.9631	1.5091	0.2386	0.1292	0.0862	0.1683
Madagascar	2000	I	1.0982	1.0096	1.0079	1.6799	0.2709	0.1626	0.1068	0.1882
Madagascar	2001	O	1.1279	1.0500	1.0495	1.7938	0.3150	0.2094	0.1330	0.2239
Madagascar	2002	I	1.1448	1.0868	1.0872	1.7839	0.3270	0.2341	0.1401	0.2205
Madagascar	2003	I	1.1788	1.1326	1.1336	1.7111	0.2747	0.2184	0.1203	0.1815
Madagascar	2004	I	1.2060	1.1874	1.1877	1.4546	0.2545	0.2518	0.1312	0.1604
Madagascar	2005	O	1.2500	1.2500	1.2500	1.2500	0.2448	0.2650	0.1255	0.1635
Madagascar	2006	I	1.2817	1.2840	0.6581	1.4999	0.2556	0.2867	0.1271	0.1667
Madagascar	2007	I	1.3207	1.3187	0.4536	1.7314	0.2725	0.3134	0.1343	0.2015
Madagascar	2008	I	1.3750	1.3616	0.3521	1.9389	0.2596	0.2966	0.1163	0.1929
Madagascar	2009	I	1.3909	1.3546	0.2806	2.0126	0.2780	0.3127	0.1196	0.2114
Madagascar	2010	O	1.4258	1.3974	0.2411	1.9939	0.2987	0.3253	0.1740	0.2287
Malawi	1997	O	1.0408	1.1921	1.1948	1.8237	0.6673	0.3307	0.1438	0.5576
Malawi	1998	I	1.1874	1.3353	1.1886	2.1049	0.8361	0.4822	0.2194	0.8717
Malawi	1999	I	1.1830	1.3113	1.1910	2.3378	0.7354	0.4698	0.1879	0.7647
Malawi	2000	I	1.2361	1.3553	1.2056	2.2467	0.7794	0.5416	0.2164	0.8135

Table S5 Watts Poverty Index

Country	Year	Data	Poverty Lines				Watts			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Malawi	2001	I	1.2908	1.3861	1.2140	2.2542	0.8668	0.6474	0.2663	0.9184
Malawi	2002	I	1.1514	1.2131	1.2163	1.9630	0.5885	0.4442	0.1540	0.3396
Malawi	2003	I	1.1821	1.2154	1.2161	1.4383	0.5629	0.4612	0.1462	0.2773
Malawi	2004	O	1.2090	1.2322	1.2302	1.2310	0.5263	0.4811	0.1427	0.3189
Malawi	2005	I	1.2500	1.2500	1.2500	1.2500	0.5165	0.5162	0.1550	0.3331
Malawi	2006	I	1.2865	1.2830	1.2771	1.4453	0.4931	0.5062	0.1521	0.2671
Malawi	2007	I	1.3216	1.3192	1.3772	1.5526	0.4776	0.4971	0.1576	0.2511
Malawi	2008	I	1.3633	1.3534	1.4897	1.6908	0.4792	0.5987	0.2024	0.2695
Malawi	2009	I	1.4124	1.3412	1.5033	1.8179	0.5378	0.6238	0.1827	0.2904
Malawi	2010	O	1.5666	1.6368	1.6112	1.8249	0.6313	0.7412	0.1972	0.3848
Mali	1997	I	1.0417	0.9921	0.9911	1.7156	0.3560	0.2530	0.1903	0.2134
Mali	1998	I	1.0560	1.0104	1.0085	2.0340	0.3201	0.2368	0.1636	0.2243
Mali	1999	I	1.0664	1.0360	1.0335	2.1477	0.2713	0.2061	0.1301	0.1958
Mali	2000	I	1.0887	1.0715	1.0698	2.0189	0.2662	0.2276	0.1394	0.1651
Mali	2001	O	1.1157	1.1020	1.1017	1.9601	0.2304	0.2077	0.1158	0.1427
Mali	2002	I	1.1309	1.1275	1.1281	1.8793	0.2412	0.2243	0.1176	0.1082
Mali	2003	I	1.1708	1.1611	1.1623	1.7393	0.2626	0.2779	0.1464	0.1410
Mali	2004	I	1.1987	1.2025	1.2029	1.5319	0.2046	0.2430	0.1144	0.1053
Mali	2005	I	1.2500	1.2500	1.2500	1.2500	0.2340	0.3005	0.1441	0.1711
Mali	2006	O	1.2867	1.2840	1.3081	1.6054	0.2244	0.3079	0.1465	0.1409
Mali	2007	I	1.3261	1.3187	1.3668	1.8378	0.1974	0.3001	0.1440	0.1184
Mali	2008	I	1.3819	1.3616	1.4366	1.9929	0.1819	0.2958	0.1499	0.1118
Mali	2009	I	1.3942	1.3623	1.4646	1.9580	0.1617	0.2788	0.1497	0.0967
Mali	2010	O	1.4128	1.3884	1.5195	1.8184	0.1432	0.2958	0.1449	0.0766
Mauritania	1997	I	1.0551	1.0678	1.0740	1.2654	0.0721	0.0562	0.0224	0.0935
Mauritania	1998	I	1.0676	1.0779	1.0823	1.2432	0.0711	0.0587	0.0230	0.0681
Mauritania	1999	I	1.0796	1.0952	1.0983	1.2445	0.0670	0.0609	0.0230	0.0581
Mauritania	2000	O	1.1024	1.1225	1.1257	1.3391	0.0685	0.0726	0.0273	0.0603
Mauritania	2001	I	1.1329	1.1440	1.1477	1.3365	0.0718	0.0787	0.0315	0.0647
Mauritania	2002	I	1.1473	1.1597	1.1635	1.3036	0.0655	0.0794	0.0320	0.0567
Mauritania	2003	I	1.1823	1.1832	1.1866	1.2533	0.0594	0.0897	0.0391	0.0486
Mauritania	2004	O	1.2110	1.2140	1.2154	1.2468	0.0623	0.1049	0.0494	0.0520
Mauritania	2005	I	1.2500	1.2500	1.2500	1.2500	0.0599	0.1185	0.0592	0.0502
Mauritania	2006	I	1.2863	1.2840	1.2795	1.4498	0.0581	0.0827	0.0380	0.0395
Mauritania	2007	I	1.3249	1.3187	1.3073	1.5680	0.0563	0.0926	0.0436	0.0434
Mauritania	2008	O	1.4579	1.3983	1.3670	1.6393	0.0593	0.1154	0.0481	0.0480
Mauritania	2009	E	1.4661	1.3539	1.2106	1.5879	0.0566	0.0931	0.0458	0.0493
Mauritania	2010	E	1.1990	1.3636	1.1630	1.5177	0.0280	0.0448	0.0253	0.0121
Mozambique	1997	I	1.0536	1.0678	1.0740	1.8956	0.6342	0.5430	0.2879	0.4870
Mozambique	1998	I	1.0621	1.0779	1.0823	2.0141	0.6147	0.5364	0.2715	0.4603
Mozambique	1999	I	1.0680	1.0952	1.0983	2.2113	0.5909	0.5327	0.2618	0.4313
Mozambique	2000	I	1.0978	1.1225	1.1257	2.1713	0.6228	0.5925	0.3177	0.4877
Mozambique	2001	I	1.1198	1.1440	1.1477	2.0858	0.6317	0.6420	0.3371	0.5131
Mozambique	2002	O	1.1474	1.1597	1.1635	2.0064	0.4429	0.4797	0.2372	0.3318
Mozambique	2003	I	1.1830	1.1832	1.1866	1.7276	0.4207	0.4862	0.2480	0.3280
Mozambique	2004	I	1.2073	1.2140	1.2154	1.5115	0.4035	0.4688	0.2306	0.3172
Mozambique	2005	I	1.2500	1.2500	1.2500	1.2500	0.3756	0.4373	0.2112	0.2903
Mozambique	2006	I	1.2888	1.2840	1.2369	1.4708	0.3792	0.4563	0.2309	0.2956
Mozambique	2007	O	1.3317	1.3187	1.2232	1.5699	0.3560	0.4537	0.2299	0.2808
Mozambique	2008	E	1.3835	1.3616	1.2087	1.6112	0.3122	0.4078	0.2103	0.2349
Mozambique	2009	E	1.3965	1.3623	1.1831	1.5180	0.3067	0.4004	0.2152	0.2432
Mozambique	2010	E	1.2444	1.3187	1.1324	1.3573	0.1969	0.3111	0.1760	0.1811
Namibia	1997	I	1.1249	1.0678	1.0686	1.6719	0.1373	0.1050	0.0465	0.1536
Namibia	1998	I	1.0589	1.0779	1.0772	1.6603	0.1143	0.0924	0.0395	0.1245
Namibia	1999	I	1.0718	1.0952	1.0930	1.6325	0.0990	0.0845	0.0351	0.1151
Namibia	2000	I	1.0974	1.1225	1.1210	1.6125	0.0800	0.0642	0.0265	0.0644
Namibia	2001	I	1.1325	1.1440	1.1439	1.5728	0.0600	0.0473	0.0188	0.0446
Namibia	2002	I	1.1488	1.1597	1.1592	1.5285	0.0553	0.0470	0.0177	0.0421
Namibia	2003	O	1.1832	1.1832	1.1829	1.4335	0.0404	0.0357	0.0135	0.0329
Namibia	2004	I	1.2158	1.2140	1.2113	1.3460	0.0371	0.0332	0.0118	0.0310
Namibia	2005	I	1.2500	1.2500	1.2500	1.2500	0.0356	0.0366	0.0123	0.0272
Namibia	2006	I	1.2828	1.2840	1.2812	1.3576	0.0269	0.0315	0.0096	0.0181

Table S5 Watts Poverty Index

Country	Year	Data	Poverty Lines				Watts			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Namibia	2007	I	1.3256	1.3187	1.3818	1.4099	0.0215	0.0272	0.0097	0.0154
Namibia	2008	I	1.3633	1.3484	1.3797	1.4659	0.0170	0.0216	0.0065	0.0096
Namibia	2009	I	1.3492	1.3363	1.3568	1.4693	0.0123	0.0164	0.0034	0.0067
Namibia	2010	E	1.3471	1.4096	1.3253	1.4780	0.0132	0.0206	0.0053	0.0074
Niger	1997	I	1.0530	1.0678	1.0740	2.6242	0.6054	0.5229	0.3120	0.4238
Niger	1998	I	1.0630	1.0779	1.0823	2.5897	0.5349	0.4719	0.2767	0.3792
Niger	1999	I	1.0728	1.0952	1.0983	2.3537	0.5279	0.4884	0.2879	0.3704
Niger	2000	I	1.0978	1.1225	1.1257	2.0924	0.5829	0.5489	0.3452	0.4020
Niger	2001	I	1.1294	1.1440	1.1477	1.9712	0.5611	0.5366	0.3419	0.3950
Niger	2002	I	1.1466	1.1597	1.1635	1.9187	0.5515	0.5419	0.3466	0.4002
Niger	2003	I	1.1767	1.1773	1.1866	1.8359	0.5377	0.5434	0.3548	0.3665
Niger	2004	I	1.2072	1.2146	1.2154	1.6238	0.5490	0.5785	0.3675	0.3669
Niger	2005	O	1.2500	1.2500	1.2500	1.2500	0.5830	0.6072	0.3907	0.4232
Niger	2006	I	1.2882	1.2840	1.2980	1.6543	0.5096	0.5597	0.3503	0.3673
Niger	2007	O	1.3275	1.3187	1.3455	1.9141	0.4366	0.4997	0.2922	0.2960
Niger	2008	I	1.3857	1.3674	1.4026	2.0813	0.4191	0.5212	0.2824	0.2869
Niger	2009	I	1.4126	1.3733	1.4179	2.1150	0.4246	0.5386	0.3005	0.2674
Niger	2010	I	1.4276	1.4195	1.4582	1.9440	0.4370	0.5745	0.3299	0.2483
Nigeria	1997	I	0.9239	0.2360	0.1813	0.7707	0.1815	0.1568	0.0198	0.0972
Nigeria	1998	I	0.9387	0.2771	0.2039	0.8389	0.1872	0.1771	0.0214	0.1470
Nigeria	1999	I	0.9739	0.3628	0.2341	0.9073	0.2261	0.4383	0.0542	0.1535
Nigeria	2000	I	0.9756	0.4434	0.2762	1.0234	0.2184	0.4814	0.0596	0.0796
Nigeria	2001	I	0.9954	0.3603	0.3316	1.1119	0.1001	0.0790	0.0137	0.0305
Nigeria	2002	I	1.0176	0.6400	0.4088	1.2271	0.1016	0.2002	0.0146	0.0516
Nigeria	2003	O	1.0452	0.7324	0.5320	1.2682	0.0744	0.1154	0.0083	0.0333
Nigeria	2004	I	1.1882	1.2117	0.7525	1.2789	0.0964	0.2153	0.0137	0.0580
Nigeria	2005	I	1.2500	1.2500	1.2500	1.2500	0.1131	0.1242	0.0158	0.0874
Nigeria	2006	I	1.4099	1.9727	1.3326	1.5072	0.2010	0.4650	0.0390	0.1964
Nigeria	2007	I	1.2662	1.4177	1.4202	1.6462	0.0802	0.1147	0.0118	0.0471
Nigeria	2008	I	1.2269	1.9457	1.5241	1.7253	0.1334	0.3322	0.0261	0.1091
Nigeria	2009	O	0.9406	1.3433	1.5888	1.6192	0.0812	0.1041	0.0141	0.0579
Nigeria	2010	I	1.1873	1.0031	1.6877	1.5656	0.1239	0.0492	0.0130	0.0176
Rawanda	1997	E	1.0468	0.9859	0.9400	1.9532	0.4885	0.3284	0.2251	0.2666
Rawanda	1998	E	1.0579	1.0049	0.9536	1.9552	0.4925	0.3770	0.2495	0.3001
Rawanda	1999	E	1.0667	1.0311	0.9743	1.8898	0.4927	0.4397	0.2858	0.3738
Rawanda	2000	O	1.0873	1.0672	1.0783	1.8401	0.5059	0.4795	0.2898	0.4204
Rawanda	2001	I	1.1158	1.0984	1.1013	1.7220	0.4867	0.5132	0.3155	0.4083
Rawanda	2002	I	1.1297	1.1247	1.1245	1.6081	0.4259	0.4995	0.2964	0.3542
Rawanda	2003	I	1.1761	1.1592	1.1681	1.4629	0.4884	0.5843	0.3554	0.4514
Rawanda	2004	I	1.2078	1.2015	1.2060	1.3429	0.4830	0.5963	0.3553	0.4326
Rawanda	2005	O	1.2500	1.2500	1.2500	1.2500	0.4490	0.5676	0.3190	0.3933
Rawanda	2006	I	1.2830	1.2840	1.3440	1.3542	0.3699	0.5045	0.2943	0.2941
Rawanda	2007	I	1.3248	1.3155	1.2156	1.4262	0.3342	0.4848	0.2861	0.2572
Rawanda	2008	I	1.3832	1.3616	1.3976	1.5167	0.3158	0.4929	0.2393	0.2561
Rawanda	2009	I	1.3938	1.3623	1.4769	1.5389	0.2534	0.4119	0.2101	0.1944
Rawanda	2010	O	1.4162	1.3884	1.5027	1.5359	0.2230	0.3864	0.1980	0.1675
Senegal	1997	I	1.0569	1.1597	1.1587	1.7223	0.0779	0.0237	0.0162	0.0531
Senegal	1998	I	1.0684	1.1582	1.1563	1.9639	0.0673	0.0222	0.0136	0.0423
Senegal	1999	I	1.0793	1.1645	1.1620	2.0070	0.0626	0.0243	0.0134	0.0378
Senegal	2000	I	1.1027	1.1810	1.1797	1.9312	0.0612	0.0309	0.0148	0.0362
Senegal	2001	O	1.1328	1.1912	1.1913	1.8823	0.0549	0.0303	0.0124	0.0338
Senegal	2002	I	1.1470	1.1952	1.1963	1.7930	0.0566	0.0396	0.0179	0.0358
Senegal	2003	I	1.1807	1.2072	1.2087	1.6519	0.0957	0.0837	0.0608	0.0739
Senegal	2004	I	1.2074	1.2262	1.2267	1.4764	0.1089	0.1031	0.0768	0.0902
Senegal	2005	O	1.2500	1.2500	1.2500	1.2500	0.0593	0.0610	0.0287	0.0417
Senegal	2006	I	1.2857	1.2840	1.2823	1.4766	0.0746	0.0800	0.0476	0.0576
Senegal	2007	I	1.3247	1.3187	1.3130	1.6410	0.0749	0.0838	0.0520	0.0586
Senegal	2008	I	1.3818	1.3616	1.3518	1.7468	0.0784	0.0915	0.0551	0.0610
Senegal	2009	I	1.3831	1.3585	1.3495	1.7062	0.0804	0.0882	0.0573	0.0612
Senegal	2010	I	1.4348	1.3921	1.3686	1.6100	0.0875	0.0989	0.0627	0.0652
Sierra Leone	1997	I	1.0496	1.9566	1.9538	2.3655	0.5744	0.4693	0.3656	0.7675
Sierra Leone	1998	I	1.0656	1.7931	1.7918	2.2504	0.5628	0.5039	0.3743	0.8007

Table S5 Watts Poverty Index

Country	Year	Data	Poverty Lines				Watts			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Sierra Leone	1999	I	1.0764	1.6716	1.6660	2.3389	0.5755	0.5774	0.4222	0.9545
Sierra Leone	2000	I	1.0882	1.5702	1.5835	2.1545	0.4280	0.5055	0.3392	0.6433
Sierra Leone	2001	I	1.0750	1.4890	1.4998	2.0624	0.3191	0.3851	0.2286	0.2848
Sierra Leone	2002	I	1.1719	1.4076	1.4190	1.9983	0.2317	0.2841	0.1467	0.1913
Sierra Leone	2003	O	0.9786	1.3342	1.3467	1.8106	0.1261	0.2609	0.1245	0.1644
Sierra Leone	2004	I	1.0732	1.2889	1.2984	1.5471	0.1365	0.2607	0.1156	0.1516
Sierra Leone	2005	I	1.2500	1.2500	1.2500	1.2500	0.1932	0.2661	0.1152	0.1511
Sierra Leone	2006	I	1.3695	1.2769	1.2897	1.4984	0.3006	0.2707	0.1149	0.1406
Sierra Leone	2007	I	1.3676	1.3152	1.3420	1.6087	0.2655	0.2392	0.0952	0.1151
Sierra Leone	2008	I	1.4826	1.3799	1.4027	1.6728	0.2872	0.2193	0.0824	0.0920
Sierra Leone	2009	I	1.4654	1.3630	1.4219	1.6508	0.2502	0.1787	0.0689	0.0647
Sierra Leone	2010	I	1.5048	1.5283	1.4735	1.5856	0.2528	0.2041	0.1087	0.0899
South Africa	1997	I	1.0513	1.0678	1.0741	1.1463	0.0080	0.0047	0.0009	0.0061
South Africa	1998	I	1.0626	1.0779	1.0851	1.1549	0.0098	0.0063	0.0014	0.0075
South Africa	1999	I	1.0764	1.0952	1.1015	1.1635	0.0118	0.0079	0.0019	0.0093
South Africa	2000	I	1.1003	1.1225	1.1295	1.1868	0.0130	0.0098	0.0026	0.0105
South Africa	2001	O	1.1292	1.1440	1.1515	1.1991	0.0136	0.0109	0.0029	0.0112
South Africa	2002	I	1.1436	1.1597	1.1678	1.2117	0.0142	0.0129	0.0035	0.0116
South Africa	2003	I	1.1829	1.1832	1.1979	1.2184	0.0156	0.0146	0.0043	0.0131
South Africa	2004	I	1.2101	1.2140	1.2154	1.2335	0.0153	0.0159	0.0046	0.0127
South Africa	2005	O	1.2500	1.2500	1.2500	1.2500	0.0155	0.0168	0.0049	0.0125
South Africa	2006	I	1.2767	1.2840	1.2720	1.2761	0.0109	0.0131	0.0042	0.0082
South Africa	2007	I	1.3332	1.3187	1.2835	1.2878	0.0086	0.0108	0.0033	0.0060
South Africa	2008	O	1.3844	1.3616	1.2917	1.3167	0.0072	0.0098	0.0031	0.0050
South Africa	2009	I	1.3744	1.3622	1.2533	1.3136	0.0098	0.0125	0.0043	0.0067
South Africa	2010	O	1.3767	1.3868	1.2431	1.3392	0.0108	0.0141	0.0050	0.0070
Swaziland	1997	I	0.9873	1.5643	1.4278	1.7619	0.0418	0.0183	0.0059	0.0313
Swaziland	1998	I	0.9970	1.4868	1.4033	1.7362	0.0295	0.0142	0.0040	0.0196
Swaziland	1999	I	1.0249	1.4273	1.3294	1.7019	0.0220	0.0117	0.0033	0.0141
Swaziland	2000	O	1.0867	1.3863	1.4803	1.6845	0.0169	0.0094	0.0024	0.0091
Swaziland	2001	I	1.1014	1.3405	1.5174	1.6495	0.0195	0.0117	0.0028	0.0101
Swaziland	2002	I	1.0810	1.2498	1.4022	1.6047	0.0236	0.0123	0.0028	0.0118
Swaziland	2003	I	1.1228	0.2516	1.2839	1.5020	0.0262	0.0193	0.0031	0.0123
Swaziland	2004	I	1.2365	0.2529	1.3052	1.3862	0.0218	0.0216	0.0029	0.0095
Swaziland	2005	I	1.2500	1.2500	1.2500	1.2500	0.0202	0.0157	0.0028	0.0083
Swaziland	2006	I	1.4370	1.2226	1.4619	1.4150	0.0185	0.0123	0.0032	0.0072
Swaziland	2007	I	1.3915	1.1004	1.4974	1.5203	0.0179	0.0091	0.0033	0.0044
Swaziland	2008	I	1.4162	1.3028	1.6009	1.5945	0.0125	0.0072	0.0028	0.0035
Swaziland	2009	O	1.3615	1.3538	1.5729	1.5934	0.0120	0.0066	0.0027	0.0034
Swaziland	2010	E	1.3752	1.2365	1.5043	1.5670	0.0084	0.0048	0.0013	0.0027
Tanzania	1997	I	1.0510	0.9508	0.9586	1.3495	0.3157	0.1693	0.0810	0.3583
Tanzania	1998	I	1.0768	0.9731	0.9857	1.6627	0.2820	0.1572	0.0690	0.2446
Tanzania	1999	I	1.0923	1.0027	1.0131	1.9047	0.2758	0.1675	0.0677	0.2366
Tanzania	2000	O	1.1134	1.0424	1.0521	1.9721	0.2815	0.1953	0.0774	0.2392
Tanzania	2001	I	1.1418	1.0777	1.0874	1.9495	0.2819	0.2196	0.0821	0.2336
Tanzania	2002	I	1.1554	1.1086	1.1166	1.8678	0.2661	0.2273	0.0816	0.2092
Tanzania	2003	I	1.1899	1.1479	1.1543	1.6398	0.2687	0.2636	0.0915	0.2181
Tanzania	2004	I	1.2123	1.1956	1.1987	1.4413	0.2510	0.2797	0.0928	0.1969
Tanzania	2005	I	1.2500	1.2500	1.2500	1.2500	0.2133	0.2735	0.0833	0.1513
Tanzania	2006	I	1.2827	1.2840	1.2519	1.2686	0.1913	0.2892	0.0906	0.1427
Tanzania	2007	O	1.3204	1.3187	1.3382	1.3114	0.1793	0.3033	0.0978	0.1391
Tanzania	2008	I	1.3734	1.3616	1.3381	1.3723	0.1629	0.2930	0.0688	0.1284
Tanzania	2009	I	1.3855	1.3623	1.3136	1.3650	0.1526	0.2705	0.0482	0.1256
Tanzania	2010	I	1.3185	1.3884	1.3069	1.3513	0.1196	0.2495	0.0351	0.0993
Uganda	1997	I	1.0220	1.0678	1.0722	1.9507	0.1973	0.2269	0.0799	0.2651
Uganda	1998	I	1.0324	1.0780	1.0884	1.8894	0.1961	0.2390	0.0900	0.2391
Uganda	1999	O	1.0441	1.0953	1.1102	1.8060	0.2061	0.2603	0.1060	0.2647
Uganda	2000	I	1.0631	1.1226	1.1258	1.7016	0.2034	0.2748	0.1161	0.2350
Uganda	2001	I	1.1112	1.1441	1.1478	1.6389	0.2079	0.2677	0.1141	0.2357
Uganda	2002	O	1.1382	1.1598	1.1636	1.5845	0.2032	0.2669	0.1098	0.2375
Uganda	2003	I	1.1791	1.1833	1.1867	1.4278	0.2034	0.2850	0.1224	0.2522
Uganda	2004	I	1.2066	1.2141	1.2155	1.3361	0.1963	0.2908	0.1265	0.1922

Table S5 Watts Poverty Index

Country	Year	Data	Poverty Lines				Watts			
			PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Uganda	2005	O	1.2500	1.2500	1.2500	1.2500	0.1716	0.2633	0.1064	0.2227
Uganda	2006	I	1.2854	1.2841	1.2966	1.3341	0.1452	0.2342	0.0945	0.1926
Uganda	2007	I	1.3321	1.3188	1.3426	1.4037	0.1533	0.2533	0.1046	0.2007
Uganda	2008	I	1.3897	1.3617	1.3980	1.4770	0.1444	0.2491	0.1030	0.2405
Uganda	2009	O	1.3605	1.3616	1.2784	1.4363	0.1206	0.2099	0.0691	0.1476
Uganda	2010	E	1.4227	1.3366	1.3417	1.4009	0.1170	0.1564	0.0592	0.1076
Zambia	1997	I	1.1564	0.8842	0.8844	1.1862	0.3325	0.2241	0.1557	0.3187
Zambia	1998	I	1.1871	0.9185	0.9190	1.4108	0.3926	0.3044	0.2028	0.3979
Zambia	1999	I	1.2238	0.9612	0.9626	1.6192	0.3378	0.2667	0.1471	0.3879
Zambia	2000	I	1.2627	1.0156	1.0195	1.6918	0.2593	0.2011	0.1046	0.2417
Zambia	2001	I	1.5833	1.3382	1.0751	1.7774	0.2896	0.2345	0.0694	0.2005
Zambia	2002	O	1.4711	1.2842	1.1287	1.7841	0.2113	0.1869	0.0550	0.1416
Zambia	2003	I	1.4557	1.3146	1.2553	1.6178	0.3118	0.3205	0.1614	0.2658
Zambia	2004	O	1.2140	1.1651	1.1161	1.4402	0.3376	0.3754	0.2043	0.3270
Zambia	2005	I	1.2500	1.2500	1.2500	1.2500	0.3535	0.4140	0.2324	0.3660
Zambia	2006	O	1.1604	1.1671	1.1571	1.5380	0.2983	0.3627	0.1891	0.2755
Zambia	2007	I	1.4378	1.4454	1.3301	1.6665	0.2307	0.2922	0.1210	0.1017
Zambia	2008	I	1.5355	1.5456	1.5802	1.7622	0.2465	0.3317	0.1788	0.1352
Zambia	2009	I	1.4125	1.4563	1.6240	1.6648	0.2279	0.3328	0.1703	0.1434
Zambia	2010	O	1.4460	1.4764	1.2847	1.5209	0.1977	0.2342	0.0857	0.0689

Table S6 Current Price Mean Incomes

Country	Year	Per capita income at current price from data source				Per capita income at current price - estimated			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Angola	1997	250.0652	345.2786	1253.6359	507.4074	249.8736	345.0141	1252.6755	507.0187
Angola	1998	759.5284	646.0595	1718.1350	791.7386	758.8944	645.5202	1716.7007	791.0777
Angola	1999	320.8540	425.2055	1440.2607	773.5127	320.5062	424.7447	1438.6996	772.6743
Angola	2000	435.8251	407.6455	977.4211	503.8152	431.4298	403.5343	967.5638	498.7342
Angola	2001	941.0970	690.9273	1678.5278	1055.0575	940.9122	690.7916	1678.1981	1054.8503
Angola	2002	873.7008	626.7206	1534.9787	1209.5098	873.5999	626.6482	1534.8013	1209.3701
Angola	2003	1027.7363	705.4098	1033.3181	1407.0000	1027.6703	705.3645	1033.2518	1406.9097
Angola	2004	1062.8285	676.5588	1003.2802	1349.6552	1062.8088	676.5463	1003.2616	1349.6302
Angola	2005	1194.5303	586.0722	983.1876	1097.1496	1194.5362	586.0751	983.1925	1097.1551
Angola	2006	1156.4873	553.3232	1035.9163	1454.1935	1156.5077	553.3330	1035.9347	1454.2193
Angola	2007	1839.3023	728.3577	1097.9121	1760.7852	1839.4031	728.3976	1097.9723	1760.8818
Angola	2008	2176.0398	815.7128	1228.4132	2190.1274	2175.8600	815.6454	1228.3117	2189.9464
Angola	2009	3143.2248	1196.8268	1417.8391	2072.7974	3108.1961	1183.4891	1402.0384	2049.6978
Angola	2010	3457.5099	1369.6450	1682.1878	2782.1441	3460.5037	1370.8309	1683.6444	2784.5531
Burkina Faso	1997	428.0548	422.2182	623.7696	1122.8861	428.0695	422.3173	623.7797	1122.9175
Burkina Faso	1998	473.5392	466.1310	693.1570	1234.4912	472.8622	465.4646	692.1660	1232.7264
Burkina Faso	1999	526.9289	523.9354	779.2127	1288.0536	526.4167	523.4261	778.4552	1286.8015
Burkina Faso	2000	535.8102	508.2995	751.4080	1158.0952	535.4185	507.9280	750.8588	1157.2488
Burkina Faso	2001	547.4039	518.1859	775.3736	1093.1810	547.2621	518.0517	775.1728	1092.8979
Burkina Faso	2002	554.5517	526.4125	784.9757	1084.6016	554.5452	526.4063	784.9665	1084.5889
Burkina Faso	2003	593.7950	569.3850	844.8254	1074.6591	593.6486	569.2446	844.6172	1074.3942
Burkina Faso	2004	615.8196	571.9639	847.8663	972.0541	615.8775	572.0177	847.9461	972.1456
Burkina Faso	2005	660.6552	601.2522	888.4017	825.6915	660.7038	601.2965	888.4670	825.7522
Burkina Faso	2006	680.0202	587.9155	846.3527	950.8457	680.0578	587.9480	846.3995	950.8983
Burkina Faso	2007	694.2155	582.6171	825.8056	1039.0201	694.2426	582.6399	825.8379	1039.0607
Burkina Faso	2008	767.0038	628.4072	875.1577	1177.6974	767.0242	628.4240	875.1810	1177.7287
Burkina Faso	2009	818.5455	628.2307	856.0674	1114.8889	818.5630	628.2441	856.0858	1114.9128
Burkina Faso	2010	830.9140	677.7046	847.4705	1068.2000	831.0394	677.8069	847.5985	1068.3613
Burundi	1997	286.5530	388.8927	481.2607	389.7220	286.5445	388.8811	481.2463	389.7103
Burundi	1998	319.3425	352.0479	520.9822	441.4500	319.3088	352.0107	520.9272	441.4034
Burundi	1999	299.4979	339.8916	480.2166	391.9804	299.4609	339.8495	480.1573	391.9319
Burundi	2000	308.8860	346.1497	439.6757	522.8025	308.8293	346.0862	439.5950	522.7066
Burundi	2001	307.3033	327.5031	413.8380	517.3523	307.2817	327.4801	413.8089	517.3159
Burundi	2002	315.2385	334.4604	416.7979	454.7751	315.2217	334.4426	416.7757	454.7509
Burundi	2003	305.6078	314.2432	387.5219	379.8134	305.6061	314.2415	387.5198	379.8114
Burundi	2004	307.8813	310.3759	381.4167	387.3151	307.8812	310.3758	381.4166	387.3150
Burundi	2005	335.2574	317.7116	405.3510	375.6480	335.2401	317.6952	405.3301	375.6286
Burundi	2006	365.2234	333.6319	407.8568	467.7181	365.0332	333.4582	407.6444	467.4746
Burundi	2007	376.7094	334.3381	387.1019	480.1850	377.6108	335.1381	388.0281	481.3339
Burundi	2008	371.6556	362.3706	404.7166	511.0909	374.0492	364.7044	407.3231	514.3825
Burundi	2009	375.8015	354.1202	455.5429	554.8454	378.5298	356.6911	458.8501	558.8735
Burundi	2010	372.8448	353.5777	473.8624	558.3803	375.5343	356.1283	477.2806	562.4081
Cameroon	1997	1002.2158	1522.3445	1745.5694	1321.7641	1002.1031	1522.1732	1745.3731	1321.6154
Cameroon	1998	1033.1067	1486.5464	1740.0678	1361.2800	1030.4863	1482.7758	1735.6542	1357.8272
Cameroon	1999	1065.6693	1453.4025	1748.1735	1365.1208	1064.3085	1451.5465	1745.9411	1363.3775
Cameroon	2000	1105.6298	1410.1358	1726.4234	1355.9217	1112.8183	1419.3042	1737.6483	1364.7376
Cameroon	2001	1149.8635	1368.7226	1706.8540	1332.0000	1148.9285	1367.6097	1705.4662	1330.9170
Cameroon	2002	1186.6279	1320.5597	1706.9386	1342.6498	1216.9226	1354.2737	1750.5169	1376.9278
Cameroon	2003	1264.9322	1331.5848	1747.8917	1380.0000	1296.0572	1364.3498	1790.9004	1413.9564
Cameroon	2004	1306.1657	1301.9307	1736.1120	1381.1803	1336.9185	1332.5839	1776.9876	1413.6993
Cameroon	2005	1361.0830	1271.1240	1733.7573	1410.7317	1391.3696	1299.4088	1772.3366	1442.1231
Cameroon	2006	1419.9261	1294.5312	1769.9429	1463.4217	1449.2543	1321.2695	1806.5007	1493.6483
Cameroon	2007	1500.4391	1315.7346	1814.7601	1516.2460	1498.8996	1314.3846	1812.8981	1514.6903
Cameroon	2008	1574.8220	1344.5325	1832.5836	1580.8333	1544.7356	1318.8457	1797.5727	1550.6320
Cameroon	2009	1585.4626	1366.7714	1866.7430	1526.0787	1555.1722	1340.6590	1831.0787	1496.9228
Cameroon	2010	1632.8532	1411.0296	1938.6003	1646.2348	1651.4041	1427.0604	1960.6248	1664.9377

Table S6 Current Price Mean Incomes

Country	Year	Per capita income at current price from data source				Per capita income at current price - estimated			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Central African Republic	1997	418.5503	507.0207	698.4248	943.5294	418.5663	507.0401	698.4516	943.5656
Central African Republic	1998	433.7243	532.4706	733.8320	971.0143	433.7242	532.4705	733.8319	971.0140
Central African Republic	1999	424.8469	500.7015	689.6882	853.1656	424.8335	500.6857	689.6664	853.1386
Central African Republic	2000	444.3706	517.3810	708.1110	822.9763	444.3432	517.3492	708.0674	822.9257
Central African Republic	2001	463.9946	534.6119	733.3265	826.4751	463.9536	534.5648	733.2618	826.4022
Central African Republic	2002	456.6733	517.7005	705.6693	782.3492	456.6138	517.6330	705.5773	782.2472
Central African Republic	2003	431.4121	484.4679	656.2971	718.8150	431.4268	484.4845	656.3195	718.8396
Central African Republic	2004	471.5084	519.4750	700.6022	720.7619	471.4666	519.4290	700.5401	720.6980
Central African Republic	2005	491.1720	530.4177	715.2949	647.2653	491.0888	530.3278	715.1737	647.1556
Central African Republic	2006	498.7773	533.9701	736.9100	731.3289	498.7306	533.9202	736.8410	731.2605
Central African Republic	2007	527.6339	545.3662	768.2682	794.7123	527.7100	545.4449	768.3789	794.8269
Central African Republic	2008	573.3733	580.4284	789.0682	895.8710	572.4490	579.4927	787.7962	894.4268
Central African Republic	2009	567.2843	558.2501	770.5336	860.6987	567.6072	558.5678	770.9722	861.1886
Central African Republic	2010	595.4130	555.8596	761.7864	843.9241	596.9653	557.3088	763.7724	846.1242
Ethiopia	1997	331.3543	421.1764	539.3230	417.7808	331.0423	420.7798	538.8153	417.3874
Ethiopia	1998	307.3141	363.2322	458.9951	377.6011	307.1994	363.0967	458.8238	377.4602
Ethiopia	1999	319.0514	356.2775	445.5800	378.7419	319.0587	356.2857	445.5902	378.7506
Ethiopia	2000	296.3395	322.6117	396.9444	355.7663	296.3378	322.6098	396.9421	355.7642
Ethiopia	2001	323.3649	326.4886	421.1517	383.0870	323.3622	326.4859	421.1481	383.0837
Ethiopia	2002	323.7392	321.3831	397.2228	374.3089	323.7311	321.3752	397.2129	374.2996
Ethiopia	2003	323.1621	289.4782	358.6005	328.5867	323.2064	289.5179	358.6496	328.6317
Ethiopia	2004	334.8175	290.7959	376.5055	325.6736	334.8105	290.7898	376.4976	325.6668
Ethiopia	2005	430.2587	357.5394	449.0545	455.8718	430.2460	357.5288	449.0412	455.8583
Ethiopia	2006	488.8013	400.2999	469.4142	501.7871	488.7610	400.2669	469.3755	501.7456
Ethiopia	2007	550.9171	447.8609	556.8696	581.9184	551.0214	447.9457	556.9750	582.0285
Ethiopia	2008	626.0790	498.0660	620.9209	666.8338	626.0184	498.0178	620.8608	666.7693
Ethiopia	2009	694.0695	575.2754	644.9201	747.0112	693.8661	575.1068	644.7311	746.7923
Ethiopia	2010	767.4452	634.0478	706.4382	778.6134	767.0442	633.7165	706.0691	778.2066
Gambia	1997	820.9418	909.4720	1391.2096	1729.2718	806.7685	893.7701	1367.1907	1699.4163
Gambia	1998	883.2800	902.0785	1370.2645	1662.2477	881.7571	900.5231	1367.9019	1659.3817
Gambia	1999	917.7746	870.3959	1376.0691	1666.4568	917.7717	870.3932	1376.0648	1666.4516
Gambia	2000	998.9849	917.8557	1453.9720	1747.8024	999.0072	917.8761	1454.0045	1747.8413
Gambia	2001	959.2148	773.7832	1281.6272	1337.2857	958.3306	773.0700	1280.4459	1336.0531
Gambia	2002	1028.6847	767.0389	903.6920	1630.6856	1028.2271	766.6977	903.2901	1629.9603
Gambia	2003	1038.8819	687.3452	1149.6452	945.7405	1038.4900	687.0859	1149.2116	945.3837
Gambia	2004	1033.2430	832.2508	1202.5358	1272.3214	1032.8676	831.9483	1202.0988	1271.8591
Gambia	2005	1061.7829	840.9595	1360.8091	1338.6199	1061.3607	840.6252	1360.2681	1338.0877
Gambia	2006	1085.6808	845.1914	1373.5942	1373.4722	1085.0837	844.7266	1372.8388	1372.7169
Gambia	2007	1122.2442	856.7972	1280.1021	1345.7955	1121.4912	856.2223	1279.2431	1344.8924
Gambia	2008	1173.8625	881.6350	1307.7562	1366.2243	1172.6243	880.7051	1306.3768	1364.7832
Gambia	2009	1183.5254	897.6252	1247.2402	1265.7474	1185.8095	899.3576	1249.6473	1268.1902
Gambia	2010	1198.1389	901.0494	1349.0722	1380.1200	1198.7975	901.5447	1349.8137	1380.8786
Ghana	1997	989.4038	1183.9695	1692.2535	1106.7664	989.3929	1183.9564	1692.2348	1106.7543
Ghana	1998	998.5489	1182.7662	1697.9189	1038.2543	998.5023	1182.7110	1697.8397	1038.2058
Ghana	1999	1232.4626	1436.3190	2064.9482	1432.6606	1232.3879	1436.2319	2064.8231	1432.5737
Ghana	2000	1108.9102	1169.3564	1694.0670	1075.4595	1108.2622	1168.6730	1693.0769	1074.8309
Ghana	2001	1040.9243	1077.7146	1553.6469	891.9387	1040.9257	1077.7161	1553.6491	891.9399
Ghana	2002	1177.4001	1250.9333	1796.5836	1036.3814	1177.3774	1250.9092	1796.5490	1036.3615
Ghana	2003	1239.1715	1301.7259	1874.1752	1027.8588	1239.1345	1301.6870	1874.1191	1027.8281
Ghana	2004	1380.2919	1399.1540	2005.3235	1122.8567	1380.2807	1399.1426	2005.3072	1122.8475
Ghana	2005	1494.8263	1498.5314	2142.5107	1077.3706	1494.8263	1498.5314	2142.5108	1077.3706
Ghana	2006	1481.2086	1468.3697	1998.4421	1762.6837	1481.1108	1468.2727	1998.3100	1762.5672
Ghana	2007	1572.4796	1483.0682	1942.7028	1896.6207	1572.2920	1482.8912	1942.4710	1896.3944
Ghana	2008	1777.2062	1637.6224	1984.0592	2043.6000	1776.8278	1637.2736	1983.6368	2043.1648
Ghana	2009	1739.9453	1661.7978	1876.3895	1911.3826	1739.4247	1661.3006	1875.8281	1910.8108
Ghana	2010	1882.6908	1862.6726	1928.4887	1949.8034	1883.4366	1863.4105	1929.2526	1950.5758

Table S6 Current Price Mean Incomes

Country	Year	Per capita income at current price from data source				Per capita income at current price - estimated			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Guinea	1997	513.2225	1259.7464	1574.3822	1183.8006	513.1915	1259.6703	1574.2870	1183.7291
Guinea	1998	566.2841	1194.8484	1507.5872	1329.7806	566.2879	1194.8565	1507.5974	1329.7895
Guinea	1999	566.8112	1055.4933	1372.5728	1223.2479	566.6080	1055.1148	1372.0806	1222.8093
Guinea	2000	582.1522	962.6536	1245.0715	1299.7851	581.2909	961.2295	1243.2295	1297.8622
Guinea	2001	603.8165	890.9649	1157.5399	1207.2864	603.2762	890.1677	1156.5042	1206.2062
Guinea	2002	615.0994	802.1864	1046.2788	1233.3676	614.6722	801.6292	1045.5520	1232.5108
Guinea	2003	572.7578	684.2452	888.1146	934.2537	572.4997	683.9369	887.7144	933.8327
Guinea	2004	591.1327	635.1856	845.8730	822.0661	590.7138	634.7354	845.2735	821.4835
Guinea	2005	584.5559	508.1115	777.7688	643.5088	584.0512	507.6727	777.0973	642.9531
Guinea	2006	609.7394	567.3074	735.2704	694.5503	608.5666	566.2162	733.8562	693.2144
Guinea	2007	681.9669	576.8626	826.6970	763.7039	679.7756	575.0090	824.0406	761.2500
Guinea	2008	641.7668	602.9146	931.1406	798.0533	639.5843	600.8642	927.9740	795.3393
Guinea	2009	483.2025	549.2491	848.1892	793.4491	482.9987	549.0174	847.8313	793.1144
Guinea	2010	522.8700	577.8828	905.8027	892.0220	523.0525	578.0846	906.1190	892.3334
Guinea Bissau	1997	765.7486	891.0301	1160.6215	1767.9279	765.7928	891.0815	1160.6885	1768.0299
Guinea Bissau	1998	625.9814	730.4441	968.1338	1353.8874	625.8486	730.2892	967.9285	1353.6003
Guinea Bissau	1999	606.9783	719.0661	1015.7630	1268.1784	607.1558	719.2763	1016.0598	1268.5491
Guinea Bissau	2000	596.0028	695.0658	954.1503	1614.0762	596.2483	695.3521	954.5433	1614.7410
Guinea Bissau	2001	654.6473	765.5239	981.5367	2081.3704	654.9996	765.9358	982.0649	2082.4905
Guinea Bissau	2002	648.1723	755.2555	943.6797	1973.6697	648.5772	755.7272	944.2691	1974.9025
Guinea Bissau	2003	602.0103	636.2202	850.5958	1515.3211	602.5647	636.8061	851.3790	1516.7164
Guinea Bissau	2004	703.5638	725.7079	955.0056	1473.8438	704.6310	726.8087	956.4541	1476.0793
Guinea Bissau	2005	708.3088	720.9698	925.2088	893.7847	709.5581	722.2414	926.8407	895.3611
Guinea Bissau	2006	745.2110	724.6693	956.3435	1164.0482	746.6212	726.0406	958.1531	1166.2509
Guinea Bissau	2007	770.1064	735.7309	969.6057	1327.7974	772.0089	737.5485	972.0011	1331.0776
Guinea Bissau	2008	838.9481	792.5955	1081.7348	1549.5096	841.5655	795.0683	1085.1096	1554.3437
Guinea Bissau	2009	846.3843	779.1831	1004.1324	1362.3077	849.7306	782.2638	1008.1024	1367.6939
Guinea Bissau	2010	843.7706	780.7642	1038.3340	1236.3866	848.6067	785.2392	1044.2852	1243.4729
Kenya	1997	823.7679	1268.0019	1707.3186	1038.9319	822.8809	1266.6366	1705.4803	1037.8133
Kenya	1998	852.5292	1228.0342	1712.5596	1135.0157	851.7849	1226.9619	1711.0644	1134.0247
Kenya	1999	874.0552	1181.7892	1703.1999	1225.2872	873.5654	1181.1269	1702.2454	1224.6006
Kenya	2000	868.0197	1081.9614	1601.2678	1247.3842	867.8162	1081.7078	1600.8926	1247.0919
Kenya	2001	911.5625	1033.0217	1566.3626	1286.9843	911.5220	1032.9758	1566.2929	1286.9271
Kenya	2002	908.6320	994.5049	1547.3009	1260.8808	908.5198	994.3821	1547.1098	1260.7251
Kenya	2003	934.1193	974.9985	1550.4288	1207.4178	933.8217	974.6879	1549.9350	1207.0333
Kenya	2004	951.3438	915.2563	1484.4159	1115.8537	968.6450	931.9012	1511.4116	1136.1467
Kenya	2005	1013.8983	924.9067	1527.3970	1077.9206	1013.2874	924.3495	1526.4768	1077.2712
Kenya	2006	1090.4044	962.9440	1612.2080	1240.3125	1090.3614	962.9060	1612.1444	1240.2636
Kenya	2007	1171.5242	1014.5736	1700.2569	1375.5055	1172.3236	1015.2659	1701.4172	1376.4442
Kenya	2008	1170.3602	972.4217	1682.0090	1373.8305	1171.9846	973.7714	1684.3436	1375.7374
Kenya	2009	1201.3149	1020.6616	1763.3395	1418.8966	1203.5758	1022.5825	1766.6582	1421.5670
Kenya	2010	1261.8845	1052.6691	1879.9654	1555.9742	1266.5922	1056.5963	1886.9789	1561.7790
Lesotho	1997	1265.2157	909.6900	1310.4963	2236.0656	1265.5731	909.9469	1310.8665	2236.6972
Lesotho	1998	1301.7025	955.9103	1288.2008	2233.6765	1302.4238	956.4400	1288.9146	2234.9143
Lesotho	1999	1329.7900	1002.4746	1374.8881	2177.9866	1330.7703	1003.2137	1375.9016	2179.5922
Lesotho	2000	1376.3227	1107.4746	1483.2844	2169.1139	1377.5186	1108.4369	1484.5732	2170.9987
Lesotho	2001	1391.9489	1026.7773	1454.6832	2147.3214	1393.3150	1027.7850	1456.1109	2149.4288
Lesotho	2002	1430.7623	980.0897	1411.8893	2091.7098	1432.0456	981.1143	1413.1557	2093.5859
Lesotho	2003	1504.2197	1008.9097	1426.2718	1985.6731	1507.0621	1010.8161	1428.9669	1989.4253
Lesotho	2004	1570.3793	1105.2481	1536.0592	1949.6104	1573.1986	1107.2323	1538.8168	1953.1105
Lesotho	2005	1648.7923	1274.3627	1707.1578	1808.0000	1649.6249	1275.0063	1708.0199	1808.9130
Lesotho	2006	1718.2083	1213.8491	1639.5462	2173.0645	1718.7895	1214.2598	1640.1008	2173.7997
Lesotho	2007	1813.6013	1403.8612	1740.7425	2464.2857	1814.0367	1404.1982	1741.1603	2464.8773
Lesotho	2008	1950.1955	1573.9000	1771.7683	2638.3032	1950.4465	1574.1026	1771.9964	2638.6428
Lesotho	2009	2059.1324	1513.2412	1744.0416	2589.9669	2059.2186	1513.3045	1744.1146	2590.0753
Lesotho	2010	2111.2525	1668.2092	2131.0139	2660.0929	2111.2735	1668.2257	2131.0350	2660.1193

Table S6 Current Price Mean Incomes

Country	Year	Per capita income at current price from data source				Per capita income at current price - estimated			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Madagascar	1997	561.0902	702.6782	778.2993	787.5000	561.2662	702.8987	778.5435	787.7471
Madagascar	1998	574.4738	699.8421	798.6228	929.3478	574.4878	699.8591	798.6423	929.3705
Madagascar	1999	587.9846	702.2772	824.2352	976.4494	587.9916	702.2855	824.2449	976.4610
Madagascar	2000	606.1639	720.7054	862.9806	1119.2500	606.2074	720.7572	863.0426	1119.3303
Madagascar	2001	621.1811	724.5354	896.9276	1196.0000	621.2462	724.6114	897.0216	1196.1254
Madagascar	2002	591.6819	675.0390	859.0212	1142.2727	592.9781	676.5178	860.9031	1144.7751
Madagascar	2003	646.9796	697.6027	905.0273	1148.4757	647.0465	697.6748	905.1208	1148.5944
Madagascar	2004	662.5426	655.7887	873.6794	985.7942	660.6586	653.9240	871.1950	982.9910
Madagascar	2005	676.7187	652.0283	892.0661	805.1168	676.4383	651.7581	891.6964	804.7831
Madagascar	2006	685.3997	648.5751	476.4199	972.8757	685.0427	648.2372	476.1718	972.3689
Madagascar	2007	690.0841	639.8809	327.6877	1048.2863	689.6831	639.5090	327.4973	1047.6771
Madagascar	2008	744.1332	686.2443	276.0419	1215.9981	743.8094	685.9458	275.9218	1215.4691
Madagascar	2009	733.7719	668.8999	222.7958	1226.2659	733.6816	668.8175	222.7683	1226.1150
Madagascar	2010	730.1984	680.4935	164.5625	1184.2488	730.5557	680.8265	164.6431	1184.8282
Malawi	1997	343.3857	645.4740	994.4458	695.3517	343.0334	644.8118	993.4257	694.6384
Malawi	1998	306.8951	542.4617	765.5151	522.0368	306.5266	541.8103	764.5959	521.4100
Malawi	1999	332.2440	520.5060	785.9127	633.8771	331.7986	519.8081	784.8590	633.0272
Malawi	2000	318.1773	468.7557	710.1661	555.7576	317.6689	468.0067	709.0314	554.8697
Malawi	2001	290.8324	404.5467	619.7958	479.2840	290.8136	404.5206	619.7558	479.2531
Malawi	2002	350.0426	447.5678	762.0164	848.8615	350.0018	447.5157	761.9277	848.7627
Malawi	2003	359.5648	423.2978	745.7448	667.0805	359.5067	423.2294	745.6243	666.9727
Malawi	2004	373.9297	404.6667	731.7719	513.6496	373.8670	404.5989	731.6492	513.5635
Malawi	2005	398.4464	398.5599	740.3718	520.3991	398.3793	398.4928	740.2472	520.3116
Malawi	2006	431.1719	422.4124	784.4436	690.5824	431.1161	422.3578	784.3420	690.4930
Malawi	2007	461.5937	448.4388	859.4563	784.5229	461.5546	448.4008	859.3835	784.4565
Malawi	2008	485.0755	409.7110	858.3710	846.4803	485.0543	409.6932	858.3336	846.4434
Malawi	2009	473.0346	400.8893	936.5615	898.3845	473.0273	400.8831	936.5471	898.3707
Malawi	2010	473.2937	430.9116	1001.0603	785.4028	473.2970	430.9146	1001.0671	785.4081
Mali	1997	503.8065	583.5361	672.8522	1101.6000	503.8702	583.6100	672.9373	1101.7394
Mali	1998	524.4623	591.8973	705.7022	1225.0150	524.5381	591.9828	705.8042	1225.1921
Mali	1999	560.2217	626.4639	768.6047	1331.0856	559.2524	625.3800	767.2748	1328.7825
Mali	2000	556.9024	594.4852	744.5667	1304.7477	556.8429	594.4216	744.4871	1304.6082
Mali	2001	595.1125	618.5650	798.2683	1303.5135	595.1471	618.6009	798.3146	1303.5892
Mali	2002	583.7240	603.3272	803.0031	1382.7692	583.7596	603.3641	803.0521	1382.8537
Mali	2003	572.9829	551.5688	747.7635	1136.6963	573.0241	551.6084	747.8172	1136.7779
Mali	2004	657.4008	606.5613	846.2992	1112.9020	657.4573	606.6135	846.3720	1112.9976
Mali	2005	635.2022	557.9395	793.7161	736.1918	634.5579	557.3736	792.9111	735.4451
Mali	2006	660.0717	561.5751	814.2460	1015.9538	660.1571	561.6478	814.3514	1016.0853
Mali	2007	693.3312	562.3694	818.6627	1190.2810	693.4179	562.4397	818.7651	1190.4299
Mali	2008	718.7183	564.6947	809.0118	1255.0385	720.0422	565.7350	810.5021	1257.3504
Mali	2009	728.9881	558.7401	789.9308	1242.2577	732.3399	561.3091	793.5628	1247.9694
Mali	2010	746.6120	540.8458	799.6459	1180.9945	746.3101	540.6271	799.3226	1180.5170
Mauritania	1997	896.0532	997.2145	1379.6776	969.4042	896.2753	997.5090	1380.0196	969.6445
Mauritania	1998	912.6830	988.1955	1347.4460	1079.7297	912.5001	987.9975	1347.1761	1079.5134
Mauritania	1999	942.1464	988.6179	1344.7938	1141.5385	942.1581	988.6302	1344.8104	1141.5526
Mauritania	2000	959.5085	956.9435	1304.8304	1217.6097	959.6045	957.0392	1304.9609	1217.7315
Mauritania	2001	962.3791	940.7006	1264.9601	1176.4194	962.3854	940.7067	1264.9683	1176.4270
Mauritania	2002	1000.9521	946.0813	1270.7797	1193.2577	1001.0056	946.1319	1270.8477	1193.3215
Mauritania	2003	1060.0738	919.1258	1215.0242	1199.4492	1060.0641	919.1174	1215.0131	1199.4383
Mauritania	2004	1064.4106	887.9552	1151.6352	1162.1895	1064.4672	888.0024	1151.6965	1162.2513
Mauritania	2005	1130.0855	880.1880	1134.4407	1197.8400	1130.0748	880.1797	1134.4299	1197.8287
Mauritania	2006	1185.7896	1044.0135	1355.2133	1516.7899	1186.8504	1044.9475	1356.4257	1518.1468
Mauritania	2007	1265.0759	1047.3087	1363.2643	1636.7797	1264.8175	1047.0948	1362.9859	1636.4453
Mauritania	2008	1391.5117	1028.3772	1405.7430	1685.9813	1391.1423	1028.1041	1405.3698	1685.5337
Mauritania	2009	1588.3590	1210.0110	1415.4313	1809.5185	1588.8504	1210.3853	1415.8692	1810.0783
Mauritania	2010	1545.8279	1502.6376	1547.8083	2518.4265	1545.8289	1502.6386	1547.8093	2518.4281

Table S6 Current Price Mean Incomes

Country	Year	Per capita income at current price from data source				Per capita income at current price - estimated			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Mozambique	1997	322.5998	368.6554	552.9141	707.6453	322.9858	369.0966	553.5757	708.4921
Mozambique	1998	336.0474	378.1923	578.1149	786.5143	336.1837	378.3456	578.3493	786.8331
Mozambique	1999	351.3335	389.3704	603.9445	908.7808	350.9318	388.9251	603.2539	907.7416
Mozambique	2000	349.4448	371.6010	560.2939	828.3014	349.5058	371.6658	560.3916	828.4459
Mozambique	2001	355.4454	358.4270	556.6944	774.3623	355.4854	358.4673	556.7571	774.4495
Mozambique	2002	474.5282	454.7358	686.4254	989.6078	474.6249	454.8285	686.5653	989.8096
Mozambique	2003	505.3469	458.8033	688.0109	859.1429	504.6990	458.2151	687.1288	858.0414
Mozambique	2004	528.6876	481.4344	733.2928	766.1671	528.4713	481.2375	732.9928	765.8538
Mozambique	2005	572.0943	518.4957	791.2069	666.7694	572.5138	518.8759	791.7870	667.2583
Mozambique	2006	602.9524	529.9936	780.0881	803.8882	603.0774	530.1035	780.2498	804.0549
Mozambique	2007	654.2449	549.5570	784.4438	894.6623	654.5950	549.8511	784.8636	895.1411
Mozambique	2008	723.4386	601.8280	788.6184	990.7904	725.7619	603.7607	791.1510	993.9722
Mozambique	2009	748.2444	617.8152	772.9645	928.4178	751.0673	620.1461	775.8807	931.9206
Mozambique	2010	771.6419	639.8352	742.0054	877.0339	775.8652	643.3371	746.0665	881.8340
Namibia	1997	2228.0897	2405.0234	3415.8422	3129.1016	2228.7885	2405.7776	3416.9134	3130.0829
Namibia	1998	2126.4859	2383.4302	3382.4275	3203.2000	2126.7961	2383.7778	3382.9208	3203.6672
Namibia	1999	2140.9130	2343.6248	3327.0146	3047.4545	2141.0126	2343.7339	3327.1694	3047.5963
Namibia	2000	2248.2115	2516.5657	3531.2640	3610.1639	2248.2243	2516.5800	3531.2840	3610.1845
Namibia	2001	2447.3536	2712.8380	3819.4732	3814.9818	2447.3480	2712.8318	3819.4644	3814.9731
Namibia	2002	2411.5012	2592.8419	3721.9998	3562.9022	2411.4559	2592.7931	3721.9298	3562.8352
Namibia	2003	2649.0866	2775.0212	3963.7115	3466.2500	2649.0858	2775.0203	3963.7103	3466.2489
Namibia	2004	2739.6423	2847.8099	4071.9472	3233.4278	2744.5488	2852.9101	4079.2398	3239.2187
Namibia	2005	2806.5827	2778.5923	4042.3958	3084.3925	2806.4935	2778.5040	4042.2674	3084.2946
Namibia	2006	3112.9164	2950.4839	4367.2336	3762.6277	3112.8452	2950.4164	4367.1337	3762.5417
Namibia	2007	3395.1553	3124.8942	4569.9755	4027.7626	3395.1096	3124.8522	4569.9141	4027.7084
Namibia	2008	3691.1541	3380.6168	5039.8674	4745.1429	3691.1715	3380.6327	5039.8911	4745.1652
Namibia	2009	3922.4701	3561.3167	5729.5508	5098.9474	3923.7798	3562.5059	5731.4640	5100.6500
Namibia	2010	3853.3403	3488.4789	5189.0994	5138.5801	3850.7338	3486.1192	5185.5893	5135.1043
Niger	1997	317.3134	359.2255	500.9206	1018.6649	317.4622	359.3940	501.1555	1019.1427
Niger	1998	352.2881	390.0739	539.7701	1078.9539	351.8211	389.5568	539.0546	1077.5236
Niger	1999	360.1869	388.4522	537.8057	997.9019	359.6637	387.8879	537.0244	996.4522
Niger	2000	343.6868	367.6145	499.2497	846.2621	343.1489	367.0392	498.4684	844.9377
Niger	2001	365.1844	382.2512	513.4952	808.6957	364.5836	381.6223	512.6504	807.3652
Niger	2002	377.0219	386.2472	518.3216	783.7377	376.5331	385.7464	517.6496	782.7216
Niger	2003	395.7672	392.9480	523.6249	794.5600	395.5290	392.7115	523.3097	794.0817
Niger	2004	401.5397	388.5286	527.3577	705.1608	401.8314	388.8108	527.7408	705.6730
Niger	2005	398.2302	385.9972	522.7950	497.3134	397.3490	385.1430	521.6381	496.2129
Niger	2006	407.7536	381.0291	515.3271	639.7564	409.0338	382.2254	516.9450	641.7650
Niger	2007	424.8224	388.8401	530.9818	750.7092	424.5861	388.6238	530.6865	750.2917
Niger	2008	445.9855	385.3930	552.7294	814.1429	449.5910	388.5086	557.1979	820.7247
Niger	2009	448.8949	377.1193	538.7691	847.5822	450.0903	378.1235	540.2038	849.8393
Niger	2010	436.0394	366.7420	516.7598	785.1656	435.9426	366.6605	516.6450	784.9912
Nigeria	1997	653.1950	179.5775	324.7170	734.5017	652.9843	179.5196	324.6122	734.2648
Nigeria	1998	650.0334	197.4812	355.6487	656.5705	649.8627	197.4294	355.5553	656.3981
Nigeria	1999	606.4617	150.0363	285.3761	692.1767	606.3298	150.0036	285.3141	692.0262
Nigeria	2000	616.0305	170.2042	323.3329	1058.4086	615.9182	170.1732	323.2740	1058.2155
Nigeria	2001	926.4170	373.2482	676.6968	1700.4000	926.2725	373.1900	676.5913	1700.1348
Nigeria	2002	938.4409	419.7461	816.8096	1523.3874	938.3137	419.6892	816.6989	1523.1809
Nigeria	2003	1106.3755	633.0342	1260.2975	1873.4870	1106.3681	633.0299	1260.2890	1873.4745
Nigeria	2004	1146.9670	778.7860	1603.2550	1547.0284	1146.0398	778.1564	1601.9589	1545.7778
Nigeria	2005	1147.6992	1097.1525	2584.8479	1294.0260	1147.1628	1096.6398	2583.6399	1293.4212
Nigeria	2006	990.2910	814.2877	1995.5542	1072.1726	989.9290	813.9901	1994.8248	1071.7807
Nigeria	2007	1437.2711	1363.4390	3419.0164	2345.9696	1436.6857	1362.8836	3417.6236	2345.0139
Nigeria	2008	1126.4630	1065.9460	2814.2126	1746.4286	1125.8233	1065.3406	2812.6143	1745.4368
Nigeria	2009	1122.0089	1429.3447	3779.3365	2237.1429	1121.3467	1428.5012	3777.1060	2235.8225
Nigeria	2010	993.2396	1252.9895	3485.9332	2899.1955	994.4070	1254.4623	3490.0306	2902.6033

Table S6 Current Price Mean Incomes

Country	Year	Per capita income at current price from data source				Per capita income at current price - estimated			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Rawanda	1997	442.3474	536.7910	627.3732	1194.3826	441.3714	535.60667	625.98907	1191.7475
Rawanda	1998	447.2355	507.0634	608.5179	1128.8225	446.1840	505.87118	607.08722	1126.1685
Rawanda	1999	453.2487	473.8835	581.5897	964.2050	452.0632	472.6440	580.0685	961.6831
Rawanda	2000	456.3191	465.3148	643.5049	877.2061	454.5271	463.4875	640.9779	873.7613
Rawanda	2001	485.2838	459.9727	630.6994	843.2230	485.2175	459.9099	630.6133	843.1079
Rawanda	2002	542.1249	483.8214	672.0674	866.6204	542.0321	483.7387	671.9524	866.4721
Rawanda	2003	510.3484	439.9047	624.5798	670.5152	509.3104	439.0100	623.3095	669.1514
Rawanda	2004	540.2242	459.2562	658.5010	647.5776	540.1003	459.1508	658.3499	647.4291
Rawanda	2005	592.5293	500.3879	732.6180	646.0000	592.3446	500.2319	732.3896	645.7986
Rawanda	2006	678.5119	553.4813	811.1812	817.6264	678.2842	553.2956	810.9090	817.3520
Rawanda	2007	732.9246	575.4252	733.2227	909.6526	732.8128	575.3374	733.1108	909.5138
Rawanda	2008	778.3571	581.0056	909.3787	954.0000	778.3220	580.9794	909.3377	953.9570
Rawanda	2009	867.4514	646.1370	1005.8373	1086.1081	867.4430	646.1308	1005.8275	1086.0976
Rawanda	2010	922.9964	675.9245	1034.1429	1136.5808	922.9892	675.9192	1034.1348	1136.5719
Senegal	1997	831.7288	1306.9792	1442.0016	1535.6933	831.7083	1306.9470	1441.9661	1535.6555
Senegal	1998	881.4024	1325.7013	1499.3850	1872.2406	881.2312	1325.4437	1499.0936	1871.8768
Senegal	1999	909.8025	1295.1489	1509.6242	1968.8992	909.6685	1294.9581	1509.4018	1968.6092
Senegal	2000	936.4780	1217.2359	1459.1143	1907.1095	936.5197	1217.2902	1459.1794	1907.1946
Senegal	2001	982.6793	1212.6626	1492.3848	1863.4558	982.6736	1212.6556	1492.3762	1863.4450
Senegal	2002	1013.0642	1179.0350	1487.2247	1823.9873	1013.0311	1178.9965	1487.1762	1823.9278
Senegal	2003	1070.4202	1185.6917	1521.3579	1765.0893	1072.3606	1187.8410	1524.1157	1768.2889
Senegal	2004	1113.2919	1175.1013	1534.3604	1570.0570	1113.3760	1175.1900	1534.4763	1570.1756
Senegal	2005	1178.3043	1165.6504	1557.4032	1349.1617	1178.5822	1165.9253	1557.7704	1349.4798
Senegal	2006	1235.7202	1191.5192	1571.3110	1622.7633	1235.2581	1191.0737	1570.7235	1622.1565
Senegal	2007	1304.2785	1223.7400	1596.3544	1853.2513	1304.0305	1223.5073	1596.0507	1852.8988
Senegal	2008	1362.9053	1234.7379	1653.2882	1996.9347	1362.9618	1234.7891	1653.3568	1997.0175
Senegal	2009	1382.5830	1287.1174	1683.1000	2027.6000	1383.0321	1287.5355	1683.6468	2028.2587
Senegal	2010	1397.6977	1263.0878	1662.6365	1899.4737	1398.5922	1263.8961	1663.7006	1900.6893
Sierra Leone	1997	444.5320	988.9212	1199.2431	751.7983	444.6765	989.2429	1199.6332	752.0428
Sierra Leone	1998	430.5277	796.9261	1004.0507	647.3343	430.4495	796.7814	1003.8683	647.2168
Sierra Leone	1999	408.4772	632.5609	810.8626	535.7143	408.4269	632.4829	810.7626	535.6482
Sierra Leone	2000	492.4424	627.2158	839.0200	703.7025	492.7722	627.6358	839.5818	704.1737
Sierra Leone	2001	555.8749	684.5466	932.0567	1139.0966	556.3405	685.1199	932.8373	1140.0506
Sierra Leone	2002	677.5432	731.9741	1011.4918	1266.7262	677.5911	732.0257	1011.5632	1266.8157
Sierra Leone	2003	702.3768	691.4516	971.5655	1164.9013	702.4171	691.4913	971.6213	1164.9681
Sierra Leone	2004	722.2906	650.2167	932.1428	998.0137	722.4416	650.3525	932.3375	998.2223
Sierra Leone	2005	707.0485	608.2995	871.8540	784.6179	707.1095	608.3520	871.9292	784.6856
Sierra Leone	2006	611.1095	600.9069	872.6530	939.4970	611.2455	601.0406	872.8472	939.7061
Sierra Leone	2007	633.9962	640.5321	939.4571	1053.3267	634.4537	640.9943	940.1350	1054.0868
Sierra Leone	2008	646.3486	681.9831	1000.6752	1150.6542	646.5111	682.1546	1000.9268	1150.9435
Sierra Leone	2009	666.7825	716.3007	1042.9859	1234.5398	666.8715	716.3963	1043.1251	1234.7045
Sierra Leone	2010	666.2380	742.6484	906.4036	1038.9926	666.2929	742.7096	906.4783	1039.0782
South Africa	1997	3441.8879	4004.8978	5756.5730	4025.4118	3442.2742	4005.3473	5757.2192	4025.8636
South Africa	1998	3459.4104	3958.6140	5689.5683	4042.9151	3459.9644	3959.2479	5690.4794	4043.5626
South Africa	1999	3500.3814	3985.4138	5749.3865	4043.2526	3501.0503	3986.1755	5750.4852	4044.0253
South Africa	2000	3666.9484	4068.8253	5853.5662	4206.8404	3667.7553	4069.7207	5854.8543	4207.7661
South Africa	2001	3858.7661	4169.9073	5994.3711	4336.8210	3859.4875	4170.6868	5995.4918	4337.6317
South Africa	2002	4013.7146	4194.3211	6011.4259	4518.5100	4014.0802	4194.7031	6011.9734	4518.9216
South Africa	2003	4215.6682	4299.3684	6139.4047	4574.0921	4215.9347	4299.6402	6139.7928	4574.3813
South Africa	2004	4531.9951	4496.6477	6366.6983	4881.5026	4531.7416	4496.3962	6366.3422	4881.2295
South Africa	2005	4896.2039	4771.9672	6742.4549	5218.7970	4896.4917	4772.2477	6742.8513	5219.1038
South Africa	2006	5368.5288	5105.9502	7023.5713	5818.2310	5368.6186	5106.0356	7023.6888	5818.3283
South Africa	2007	5757.4440	5325.8643	7229.5698	6156.2125	5753.7350	5322.4334	7224.9125	6152.2466
South Africa	2008	6050.8256	5450.6011	7155.4100	6366.0088	6052.5118	5452.1201	7157.4041	6367.7829
South Africa	2009	5868.0733	5413.0378	6788.3358	6275.1951	5862.3411	5407.7501	6781.7047	6269.0651
South Africa	2010	6136.7608	5687.6458	6953.4863	6811.6532	6136.6977	5687.5873	6953.4148	6811.5832

Table S6 Current Price Mean Incomes

Country	Year	Per capita income at current price from data source				Per capita income at current price - estimated			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Swaziland	1997	2079.9410	4666.4476	6481.1893	4213.6692	2081.0963	4669.0396	6484.7893	4216.0096
Swaziland	1998	2181.6420	4322.6615	6312.7348	4469.2766	2184.5926	4328.5078	6321.2726	4475.3212
Swaziland	1999	2284.9380	4051.8892	5974.5883	4504.0658	2282.0513	4046.7700	5967.0400	4498.3754
Swaziland	2000	2445.0311	3876.7623	6675.6143	4777.2360	2443.7414	3874.7174	6672.0930	4774.7161
Swaziland	2001	2360.6067	3476.1084	6572.1696	4507.0391	2359.3346	3474.2352	6568.6279	4504.6103
Swaziland	2002	2165.0848	3196.6666	6112.1461	4165.0000	2163.7464	3194.6906	6108.3679	4162.4254
Swaziland	2003	2172.3995	545.4988	5309.1317	3841.5859	2176.8080	546.6058	5319.9056	3849.3817
Swaziland	2004	2569.1926	527.2997	5398.5502	3866.8914	2572.8755	528.0555	5406.2888	3872.4344
Swaziland	2005	2680.4956	2930.0439	5181.9890	3634.0264	2682.9885	2932.7690	5186.8085	3637.4062
Swaziland	2006	3185.8144	3114.7987	5741.0754	4301.6825	3187.0512	3116.0079	5743.3041	4303.3525
Swaziland	2007	3132.3578	3094.3822	5752.1207	5343.7500	3131.2629	3093.3006	5750.1102	5341.8822
Swaziland	2008	3592.4397	3934.3748	6376.7909	5948.2067	3589.9173	3931.6123	6372.3135	5944.0302
Swaziland	2009	3560.9882	4255.8537	6333.0081	6015.0427	3557.4544	4251.6303	6326.7235	6009.0736
Swaziland	2010	3527.0717	3726.8721	6333.0821	5522.4194	3533.0961	3733.2378	6343.8993	5531.8518
Tanzania	1997	408.0940	492.9110	662.5060	489.7430	408.0924	492.9091	662.5034	489.7411
Tanzania	1998	443.3339	522.2144	721.8153	733.7245	443.1974	522.0537	721.5931	733.4986
Tanzania	1999	456.6169	524.4433	742.9090	857.0947	457.7425	525.7362	744.7404	859.2076
Tanzania	2000	461.0570	512.5560	742.0311	883.9340	461.0210	512.5160	741.9732	883.8650
Tanzania	2001	476.5427	506.8764	754.4388	891.1650	478.2554	508.6981	757.1503	894.3679
Tanzania	2002	499.6540	517.1230	788.3251	905.3571	500.4468	517.9435	789.5759	906.7937
Tanzania	2003	518.6133	505.0967	790.7326	789.7849	518.5617	505.0464	790.6539	789.7063
Tanzania	2004	551.5811	515.4114	826.7406	734.4578	551.5043	515.3397	826.6256	734.3557
Tanzania	2005	620.4111	550.1183	907.2714	720.9486	620.2980	550.0180	907.1059	720.8171
Tanzania	2006	675.7363	554.2475	892.3032	757.9511	675.5829	554.1217	892.1006	757.7791
Tanzania	2007	723.9946	560.7423	939.3816	801.3793	723.7786	560.5750	939.1015	801.1403
Tanzania	2008	773.2279	585.3772	1036.1732	849.8824	773.1131	585.2903	1036.0195	849.7562
Tanzania	2009	791.2767	605.3007	1109.3884	840.1437	790.7481	604.8963	1108.6474	839.5825
Tanzania	2010	813.5450	636.2452	1173.0264	889.3532	812.4723	635.4062	1171.4797	888.1805
Uganda	1997	542.6423	532.8327	798.6850	904.4280	542.7323	532.9211	798.8175	904.5781
Uganda	1998	580.3776	552.6870	834.7884	968.5324	581.0691	553.3456	835.7830	969.6864
Uganda	1999	607.6481	567.5213	861.0384	927.6197	607.6941	567.5643	861.1036	927.6899
Uganda	2000	635.5543	576.6611	860.8842	947.7679	643.6707	584.0255	871.8783	959.8715
Uganda	2001	671.2578	607.5629	905.4389	930.1662	685.6161	620.5588	924.8064	950.0626
Uganda	2002	700.3413	624.3706	928.9045	904.7427	698.1166	622.3872	925.9537	901.8687
Uganda	2003	710.4501	600.9638	894.2168	773.3333	718.8387	608.0596	904.7753	782.4644
Uganda	2004	727.3076	599.1739	890.2901	813.4865	740.3916	609.9528	906.3061	828.1208
Uganda	2005	783.2490	640.2676	949.4320	695.5000	783.2466	640.2656	949.4291	695.4978
Uganda	2006	868.8765	698.3097	1038.9338	796.3934	876.7893	704.6692	1048.3953	803.6461
Uganda	2007	887.4232	694.7240	1045.3130	828.5723	895.3704	700.9455	1054.6741	835.9925
Uganda	2008	955.5362	729.4991	1101.4720	805.1931	965.6567	737.2256	1113.1382	813.7213
Uganda	2009	1011.7336	797.7111	1173.4939	983.2980	1010.9546	797.0970	1172.5904	982.5409
Uganda	2010	1011.8591	843.1593	1232.5423	1030.0000	1031.1351	859.2215	1256.0224	1049.6216
Zambia	1997	726.9533	720.6048	895.3934	767.7619	727.6569	721.3023	896.2601	768.5050
Zambia	1998	727.7439	682.0628	904.9973	855.9103	728.4593	682.7333	905.8869	856.7517
Zambia	1999	724.1650	664.4340	943.9129	869.9523	724.4910	664.7332	944.3378	870.3440
Zambia	2000	778.8205	721.4889	999.8560	1086.3309	778.9364	721.5963	1000.0049	1086.4926
Zambia	2001	827.3151	783.5212	1071.2342	1125.9491	827.6173	783.8074	1071.6255	1126.3604
Zambia	2002	824.0357	761.2659	1072.9827	1191.7427	823.8103	761.0577	1072.6892	1191.4168
Zambia	2003	783.1148	695.2743	973.7149	957.8864	782.8372	695.0279	973.3699	957.5469
Zambia	2004	773.6293	685.7211	1006.6571	939.5161	773.1154	685.2656	1005.9885	938.8921
Zambia	2005	789.7724	702.3305	1047.2466	770.1429	789.6518	702.2232	1047.0867	770.0252
Zambia	2006	855.1155	753.7221	1118.2822	1192.4731	855.1356	753.7398	1118.3085	1192.5010
Zambia	2007	1250.6298	1088.3944	1620.7688	2199.2897	1251.2605	1088.9433	1621.5861	2200.3987
Zambia	2008	1291.1099	1078.2195	1590.9870	2045.7471	1291.1529	1078.2555	1591.0400	2045.8153
Zambia	2009	1252.1286	1023.2287	1686.4170	1885.6119	1252.9219	1023.8770	1687.4855	1886.8067
Zambia	2010	1396.2117	1297.4908	1854.9107	2409.2923	1396.9105	1298.1401	1855.8390	2410.4981

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Angola	1997	9.8556	12.7922	13.8019	12.8000	486.3409	400.5204	1647.3712	430.9438
Angola	1998	10.0392	13.1383	14.1877	13.1000	817.5553	734.4130	665.7324	685.8589
Angola	1999	10.2154	13.5116	14.6020	13.5000	614.0325	480.1932	2413.9857	681.9256
Angola	2000	10.3773	13.9264	15.0586	13.9000	586.1196	449.3562	795.7721	414.9363
Angola	2001	10.5384	14.3882	15.5628	14.4000	930.2749	754.7995	1239.3712	878.2545
Angola	2002	10.7605	14.8905	16.1097	14.9000	953.5680	675.4376	1185.1001	1032.9626
Angola	2003	11.0571	15.4199	16.6914	15.4000	1235.1595	745.1601	1271.2243	1261.8140
Angola	2004	11.3911	15.9575	17.2955	16.0000	1269.9893	696.6040	1178.9646	1272.6769
Angola	2005	11.7070	16.4890	17.9129	16.5000	1194.5362	586.0751	983.1925	1097.1551
Angola	2006	11.9928	17.0104	18.5415	17.1000	1276.7897	538.6683	1130.1174	1254.3538
Angola	2007	12.2636	17.5254	19.1839	17.7000	1370.0779	690.4359	954.7530	1399.9818
Angola	2008	12.5314	18.0380	19.8423	18.3000	1679.6599	748.7796	987.4327	1691.9959
Angola	2009	12.7993	18.5551	20.5201	18.9000	1861.2493	1085.9218	946.6665	1665.5813
Angola	2010	13.0682	19.0819	21.2200	19.5000	2513.5013	1234.2015	1359.4694	2502.7719
Burnika Faso	1997	10.5426	11.3016	10.6658	10.7000	512.2941	494.3993	726.0093	637.5059
Burnika Faso	1998	10.8727	11.6212	10.9691	11.0000	558.3268	539.7927	799.4177	695.5143
Burnika Faso	1999	11.2253	11.9517	11.2830	11.3000	615.6753	597.3831	886.0126	753.3558
Burnika Faso	2000	11.5878	12.2940	11.6079	11.6000	612.7620	565.6038	833.7428	742.9528
Burnika Faso	2001	12.0394	12.6485	11.9437	11.9000	607.9196	566.0538	844.2639	721.8388
Burnika Faso	2002	12.5850	13.0154	12.2910	12.3000	606.6488	567.3912	843.3444	743.5098
Burnika Faso	2003	13.0654	13.3956	12.6516	12.7000	630.6510	601.3605	889.7224	796.2975
Burnika Faso	2004	13.4781	13.7897	13.0280	13.0000	638.8779	588.9764	872.0563	810.1961
Burnika Faso	2005	13.9039	14.1985	13.4219	13.4000	660.7038	601.2965	888.4670	825.7522
Burnika Faso	2006	14.3435	14.6222	13.8342	13.8000	659.7799	572.3659	841.4529	802.7582
Burnika Faso	2007	14.7972	15.0611	14.2640	14.2000	655.2078	552.2746	818.5897	804.7920
Burnika Faso	2008	15.2647	15.5153	14.7090	14.7000	702.5276	576.9064	859.0808	864.6674
Burnika Faso	2009	15.7462	15.9845	15.1659	15.1000	685.0278	576.4469	857.6850	849.9515
Burnika Faso	2010	16.2418	16.4687	15.6321	15.5000	665.6819	562.4451	853.7580	898.5185
Burundi	1997	6.2436	6.1815	6.4204	6.3700	537.4043	586.9190	573.9376	443.4332
Burundi	1998	6.4174	6.2235	6.5119	6.4500	600.0568	652.9186	616.4910	514.3890
Burundi	1999	6.6311	6.2837	6.6237	6.5500	538.1205	590.7238	559.9847	453.2769
Burundi	2000	6.8227	6.3743	6.7671	6.6700	508.4101	543.7995	500.1646	495.6105
Burundi	2001	7.0430	6.4997	6.9467	6.8400	483.6620	504.9099	461.8127	496.5267
Burundi	2002	7.2868	6.6561	7.1599	7.0400	494.9133	508.6599	458.8191	514.4673
Burundi	2003	7.5526	6.8388	7.4012	7.2600	472.7811	468.4291	418.2875	502.5142
Burundi	2004	7.8587	7.0395	7.6616	7.5100	461.3023	450.9420	401.9409	498.3164
Burundi	2005	8.1619	7.2514	7.9342	7.7700	335.2401	317.6952	405.3301	375.6286
Burundi	2006	8.4645	7.4744	8.2181	8.0400	365.5301	334.4532	433.5028	420.0768
Burundi	2007	8.7829	7.7078	8.5146	8.3300	371.9868	332.2790	439.4339	426.0526
Burundi	2008	9.1393	7.9434	8.8218	8.6200	303.4654	352.8479	473.2041	450.7271
Burundi	2009	9.5113	8.1709	9.1378	8.9300	328.1439	328.2790	521.4563	498.2326
Burundi	2010	9.8631	8.3828	9.4611	9.2300	310.9481	311.1630	490.0830	492.9109
Cameroon	1997	14.2901	14.6319	14.7100	14.7000	1188.2468	1656.6822	1901.1530	1234.8323
Cameroon	1998	14.6380	14.9762	15.1086	15.1000	1208.0458	1613.7587	1892.1183	1255.8874
Cameroon	1999	14.9885	15.3241	15.5142	15.5000	1233.7688	1569.2777	1891.6033	1295.9608
Cameroon	2000	15.3430	15.6783	15.9277	15.9000	1263.5019	1511.0121	1852.1307	1337.9106
Cameroon	2001	15.7069	16.0397	16.3494	16.4000	1272.7656	1441.7946	1797.9191	1323.2322
Cameroon	2002	16.0944	16.4081	16.7794	16.8000	1329.1527	1421.2251	1835.4728	1381.0084
Cameroon	2003	16.4890	16.7834	17.2186	17.2000	1367.9387	1415.9880	1881.8850	1439.4576
Cameroon	2004	16.8728	17.1653	17.6676	17.7000	1383.3142	1360.0316	1812.8652	1438.0931
Cameroon	2005	17.2615	17.5536	18.1270	18.1000	1391.3696	1299.4088	1772.3366	1442.1231

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Cameroon	2006	17.6579	17.9484	18.5971	18.6000	1407.4150	1286.2525	1745.9704	1471.8590
Cameroon	2007	18.0604	18.3500	19.0781	19.1000	1410.8130	1245.8833	1696.4311	1459.3780
Cameroon	2008	18.4677	18.7588	19.5704	19.6000	1399.8915	1210.7281	1619.6498	1431.0876
Cameroon	2009	18.8793	19.1750	20.0745	20.1000	1413.7975	1230.1347	1638.2377	1356.3665
Cameroon	2010	19.2941	19.5989	20.5907	20.6000	1488.5069	1284.8265	1712.0814	1446.8429
Central African Republic	1997	3.7074	3.4840	3.4979	3.4200	480.2535	593.5826	812.9190	619.7938
Central African Republic	1998	3.7980	3.5596	3.5770	3.5000	508.1735	617.4985	847.5397	658.5397
Central African Republic	1999	3.8892	3.6323	3.6533	3.5700	481.9977	571.4297	784.9560	612.9760
Central African Republic	2000	3.9799	3.7016	3.7260	3.6400	495.6055	576.0949	786.2280	636.2586
Central African Republic	2001	4.0539	3.7671	3.7947	3.7000	508.0637	584.0969	798.6174	657.0099
Central African Republic	2002	4.1284	3.8292	3.8598	3.7700	493.0919	557.9348	758.0491	638.1680
Central African Republic	2003	4.2149	3.8901	3.9233	3.8300	456.4400	511.8184	691.3691	601.6974
Central African Republic	2004	4.2888	3.9523	3.9879	3.8900	487.7477	534.8286	720.4590	642.6736
Central African Republic	2005	4.3630	4.0179	4.0556	3.9600	491.0888	530.3278	715.1737	647.1556
Central African Republic	2006	4.4489	4.0875	4.1271	4.0300	494.1229	519.7699	722.0222	651.6182
Central African Republic	2007	4.5437	4.1609	4.2021	4.1100	504.1664	517.0181	717.5782	660.8775
Central African Republic	2008	4.6413	4.2380	4.2804	4.1900	522.8191	531.9865	740.8208	706.5487
Central African Republic	2009	4.7419	4.3181	4.3615	4.2700	509.2169	512.5193	721.0937	668.6298
Central African Republic	2010	4.8449	4.4011	4.4450	4.3500	516.5721	501.7623	709.6975	672.1361
Ethiopia	1997	58.8054	60.4817	60.8933	60.6000	393.4935	436.8474	532.3225	417.9173
Ethiopia	1998	60.4839	62.1742	62.7075	62.4000	360.1599	379.3780	466.3477	392.9418
Ethiopia	1999	62.2794	63.8688	64.5502	64.2000	371.3103	372.1105	462.1390	415.1162
Ethiopia	2000	64.1650	65.5779	66.4436	66.0000	337.1500	333.8309	415.3866	351.5358
Ethiopia	2001	66.1226	67.3037	68.3931	68.0000	358.5315	336.5501	416.5043	373.6685
Ethiopia	2002	68.1873	69.0407	70.3912	69.9000	354.4919	331.6949	414.8293	354.0709
Ethiopia	2003	70.3661	70.7840	72.4323	72.0000	342.6019	297.1980	369.0339	338.5943
Ethiopia	2004	72.6372	72.5266	74.5070	74.1000	346.2645	295.1750	369.2205	345.7435
Ethiopia	2005	74.9803	74.2639	76.6084	76.2000	430.2460	357.5288	449.0412	455.8583
Ethiopia	2006	77.4114	75.9934	78.7357	78.3000	474.9975	389.6588	489.3886	509.8069
Ethiopia	2007	79.9358	77.7184	80.8920	80.4000	518.9324	424.6002	530.5957	589.4251
Ethiopia	2008	82.5448	79.4464	83.0796	82.6000	567.6303	460.0999	561.2716	629.4357
Ethiopia	2009	85.2373	81.1878	85.3021	84.8000	618.0032	526.6204	645.0236	713.2685
Ethiopia	2010	88.0135	82.9495	87.5618	87.1000	671.8726	564.5786	673.2188	769.9492
Gambia	1997	1.2425	1.1912	1.1268	1.1300	926.6564	1019.6572	1390.9611	942.3137
Gambia	1998	1.2816	1.2250	1.1590	1.1600	997.2742	1027.4217	1389.2566	919.5273
Gambia	1999	1.3196	1.2603	1.1929	1.1900	1025.2003	963.5099	1364.3435	941.8885
Gambia	2000	1.3566	1.2971	1.2289	1.2300	1094.7792	987.1131	1401.7692	1021.2779
Gambia	2001	1.3933	1.3357	1.2671	1.2700	969.7121	837.7005	1222.9967	869.6182
Gambia	2002	1.4307	1.3760	1.3077	1.3100	1415.8121	819.5394	1208.2480	1250.8755
Gambia	2003	1.4689	1.4178	1.3503	1.3500	960.2535	719.8307	1038.0394	819.4242
Gambia	2004	1.5080	1.4605	1.3947	1.3900	1059.7592	849.5115	1233.7676	1209.1972
Gambia	2005	1.5479	1.5037	1.4405	1.4400	1061.3607	840.6252	1360.2681	1338.0877
Gambia	2006	1.5885	1.5473	1.4877	1.4800	1040.9508	811.2158	1374.3750	1364.2321
Gambia	2007	1.6296	1.5914	1.5364	1.5300	1044.6707	801.8339	1283.9688	1308.1465
Gambia	2008	1.6713	1.6361	1.5867	1.5800	990.6163	750.6740	1306.6911	1294.2575
Gambia	2009	1.7133	1.6817	1.6389	1.6300	1012.4025	782.5428	1281.3506	1237.4809
Gambia	2010	1.7555	1.7284	1.6930	1.6800	1058.6667	805.1557	1398.2100	1365.8412
Ghana	1997	18.4735	17.8553	17.5686	17.6000	1180.9079	1403.2297	2104.2359	885.1672
Ghana	1998	18.8877	18.2811	17.9690	18.0000	1174.4218	1388.1774	2094.9950	833.1352
Ghana	1999	19.3145	18.7157	18.3844	18.4000	1438.7577	1658.4016	2510.7992	1187.4277
Ghana	2000	19.7516	19.1655	18.8250	18.8000	1256.8214	1317.2806	2073.2126	913.9849

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Ghana	2001	20.1963	19.6323	19.2938	19.3000	1147.4675	1192.3569	1905.3122	763.4449
Ghana	2002	20.6615	20.1144	19.7882	19.8000	1293.1079	1364.2183	2057.7900	905.8205
Ghana	2003	21.1372	20.6109	20.3054	20.3000	1317.5767	1391.8027	2169.4179	947.7818
Ghana	2004	21.6010	21.1199	20.8405	20.8000	1428.2760	1440.6232	2187.2150	1085.0583
Ghana	2005	22.0624	21.6398	21.3895	21.4000	1494.8263	1498.5314	2142.5108	1077.3706
Ghana	2006	22.5244	22.1706	21.9519	21.9000	1439.3928	1429.3598	2033.2948	1609.9298
Ghana	2007	22.9807	22.7124	22.5280	22.5000	1485.0175	1419.6639	2011.0229	1648.3159
Ghana	2008	23.4346	23.2642	23.1159	23.1000	1609.5770	1518.0822	2074.6501	1749.4662
Ghana	2009	23.8878	23.8244	23.7132	23.7000	1540.8567	1455.6544	2040.8183	1723.0594
Ghana	2010	24.3398	24.3918	24.3177	24.3000	1644.5614	1512.7376	2142.2125	1869.4395
Guinea	1997	7.7911	7.9822	8.3314	8.3000	622.3585	842.2749	1084.5408	737.3369
Guinea	1998	7.9066	8.1127	8.4976	8.4600	684.4813	863.2443	1150.2665	915.3776
Guinea	1999	8.1544	8.2261	8.6473	8.6000	672.8898	812.6035	1138.8256	862.9747
Guinea	2000	8.3504	8.3445	8.7992	8.7500	674.1422	777.7738	1113.9372	911.4069
Guinea	2001	8.4169	8.4723	8.9558	8.9000	678.1121	757.1681	1103.8457	834.4982
Guinea	2002	8.5203	8.6049	9.1143	9.0500	685.9979	717.4004	1062.4081	838.6124
Guinea	2003	8.7555	8.7440	9.2816	9.2000	615.2807	637.3442	822.6083	689.6845
Guinea	2004	8.9720	8.8893	9.4648	9.3800	610.8633	610.3754	817.0105	679.8128
Guinea	2005	9.1537	9.0414	9.6690	9.5800	584.0512	507.6727	777.0973	642.9531
Guinea	2006	9.3457	9.2019	9.8983	9.8000	517.2776	551.2101	751.4696	588.4072
Guinea	2007	9.5692	9.3736	10.1525	10.0000	595.3004	545.0414	721.8652	555.3820
Guinea	2008	9.8065	9.5591	10.4274	10.3000	559.4798	551.6060	669.3752	531.4670
Guinea	2009	10.0580	9.7612	10.7158	10.6000	624.7486	503.7562	741.3794	539.3126
Guinea	2010	10.3240	9.9816	11.0124	10.9000	706.2736	520.4674	806.3228	651.3763
Guinea Bissau	1997	1.1941	1.1706	1.2335	1.1900	910.7591	1043.1731	1225.7318	708.3288
Guinea Bissau	1998	1.2222	1.1936	1.2604	1.2200	736.7371	846.9060	1073.0507	566.1743
Guinea Bissau	1999	1.2504	1.2169	1.2877	1.2500	706.3173	820.9059	1040.8661	550.0708
Guinea Bissau	2000	1.2789	1.2407	1.3155	1.2700	676.4400	774.3104	834.7704	765.4968
Guinea Bissau	2001	1.3065	1.2649	1.3436	1.3000	726.6571	836.9068	1082.7432	1059.3223
Guinea Bissau	2002	1.3331	1.2895	1.3724	1.3300	709.9754	814.5667	1006.5699	1003.5496
Guinea Bissau	2003	1.3599	1.3148	1.4017	1.3600	638.3140	672.7338	894.7819	855.0809
Guinea Bissau	2004	1.3869	1.3408	1.4318	1.3900	729.3337	748.3568	951.8957	1013.2780
Guinea Bissau	2005	1.4142	1.3677	1.4628	1.4200	709.5581	722.2414	926.8407	895.3611
Guinea Bissau	2006	1.4427	1.3955	1.4946	1.4500	737.8571	718.6559	926.8120	937.2293
Guinea Bissau	2007	1.4728	1.4242	1.5273	1.4800	747.9580	718.9662	911.0722	960.1875
Guinea Bissau	2008	1.5032	1.4538	1.5613	1.5200	787.4135	753.2646	980.1417	1048.9284
Guinea Bissau	2009	1.5340	1.4841	1.5968	1.5500	753.2762	708.5974	904.5405	952.8510
Guinea Bissau	2010	1.5651	1.5152	1.6342	1.5900	720.3982	674.9025	917.4156	987.3746
Kenya	1997	28.4586	28.9448	28.8422	28.9000	954.0593	1270.3435	1711.7336	1013.8158
Kenya	1998	29.1229	29.6964	29.5646	29.7000	980.8095	1244.4813	1738.1577	1039.0801
Kenya	1999	29.7955	30.4622	30.3012	30.5000	995.0763	1203.1384	1737.4098	1067.6820
Kenya	2000	30.5080	31.2537	31.0658	31.3000	966.0367	1096.6579	1624.6674	1030.9222
Kenya	2001	31.2987	32.0762	31.8633	32.1000	992.9151	1047.8212	1588.4799	1041.7161
Kenya	2002	32.1553	32.9279	32.6920	33.0000	982.2507	1014.2077	1576.3589	1033.4068
Kenya	2003	33.0418	33.8053	33.5511	33.9000	984.1387	992.7908	1576.5169	1043.6264
Kenya	2004	33.9671	34.7022	34.4375	34.8000	999.2206	942.3423	1527.6395	1053.4978
Kenya	2005	34.9118	35.6146	35.3490	35.8000	1013.2874	924.3495	1526.4768	1077.2712
Kenya	2006	35.8906	36.5409	36.2860	36.8000	1065.1568	937.3866	1535.0594	1147.9698
Kenya	2007	36.9137	37.4852	37.2505	37.8000	1113.5866	962.3537	1577.9232	1202.1736
Kenya	2008	37.9538	38.4554	38.2444	38.8000	1061.3166	893.9426	1504.8993	1129.4134
Kenya	2009	39.0028	39.4622	39.2700	39.8000	1077.0364	938.2804	1547.8391	1134.5815

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Kenya	2010	40.0466	40.5127	40.3283	40.9000	1133.5164	951.2862	1653.0711	1209.3577
Lesotho	1997	1.8835	1.8652	1.8017	1.8000	1548.2558	1106.4652	1525.6999	1656.1878
Lesotho	1998	1.8966	1.9010	1.8216	1.8200	1513.2639	1122.3828	1488.6318	1660.8695
Lesotho	1999	1.9077	1.9343	1.8396	1.8400	1537.1958	1158.6011	1566.0057	1688.6873
Lesotho	2000	1.9163	1.9639	1.8562	1.8600	1567.0913	1249.0049	1648.4475	1703.1158
Lesotho	2001	1.9223	1.9890	1.8715	1.8700	1535.7279	1123.9175	1585.8929	1708.7371
Lesotho	2002	1.9256	2.0103	1.8855	1.8900	1538.5347	1056.8006	1518.2456	1634.9596
Lesotho	2003	1.9263	2.0290	1.8988	1.9000	1571.8831	1067.5031	1505.2832	1604.3977
Lesotho	2004	1.9249	2.0470	1.9120	1.9100	1620.2643	1153.6396	1582.5695	1697.3734
Lesotho	2005	1.9221	2.0658	1.9258	1.9300	1649.6249	1275.0063	1708.0199	1808.9130
Lesotho	2006	1.9192	2.0856	1.9403	1.9400	1663.2863	1181.7449	1651.0942	1840.9635
Lesotho	2007	1.9169	2.1061	1.9557	1.9600	1717.6749	1330.8671	1765.9126	1957.8014
Lesotho	2008	1.9155	2.1274	1.9722	1.9700	1776.4715	1445.1557	1798.9488	2067.5664
Lesotho	2009	1.9161	2.1492	1.9904	1.9900	1928.5827	1394.3412	1824.8435	2126.3075
Lesotho	2010	1.9196	2.1713	2.0106	2.0100	2023.1981	1514.8605	2276.7748	2316.6287
Madagascar	1997	14.3766	13.9817	14.3292	14.3000	664.6457	970.1509	1075.6365	764.7003
Madagascar	1998	14.8166	14.4307	14.7902	14.8000	674.5197	938.7244	1073.3652	802.5847
Madagascar	1999	15.2713	14.8922	15.2628	15.3000	682.2153	909.1076	1069.7419	808.8084
Madagascar	2000	15.7419	15.3643	15.7448	15.7000	689.9918	892.3826	1070.3470	832.8856
Madagascar	2001	16.2268	15.8464	16.2358	16.2000	688.5165	862.6085	1068.3481	833.5152
Madagascar	2002	16.7259	16.3390	16.7360	16.7000	647.4856	778.1324	989.8062	802.1756
Madagascar	2003	17.2395	16.8425	17.2453	17.2000	686.1390	770.0158	998.0448	839.0806
Madagascar	2004	17.7681	17.3579	17.7634	17.8000	684.7692	688.3749	916.9158	844.7280
Madagascar	2005	18.3122	17.8860	18.2904	18.3000	676.4383	651.7581	891.6964	804.7831
Madagascar	2006	18.8722	18.4269	18.8261	18.8000	668.1062	631.0573	904.4133	810.3642
Madagascar	2007	19.4488	18.9804	19.3710	19.4000	652.7777	606.1799	902.5362	756.3684
Madagascar	2008	20.0426	19.5463	19.9268	19.9000	676.2085	629.7126	979.5147	783.6246
Madagascar	2009	20.6536	20.1242	20.4957	20.5000	659.3715	617.1897	992.2535	761.5182
Madagascar	2010	21.2818	20.7138	21.0795	21.1000	640.4934	609.0259	853.7801	742.7722
Malawi	1997	10.8388	10.3191	10.2604	10.4000	412.0007	676.1271	1039.3452	476.1097
Malawi	1998	11.1553	10.6124	10.5636	10.7000	322.6951	507.1903	804.0603	309.6359
Malawi	1999	11.4769	10.9223	10.8825	11.0000	350.5835	495.5025	823.7585	338.4774
Malawi	2000	11.8015	11.2288	11.1932	11.3000	321.2471	431.6387	735.1589	308.7181
Malawi	2001	12.1287	11.5293	11.4918	11.6000	281.6144	364.7981	638.1382	265.7506
Malawi	2002	12.4601	11.8331	11.7887	11.9000	379.9894	461.1128	783.0537	540.4839
Malawi	2003	12.7968	12.1449	12.0905	12.2000	380.1603	435.2674	766.4281	579.6671
Malawi	2004	13.1401	12.4728	12.4076	12.6000	386.5470	410.4293	743.4430	521.4876
Malawi	2005	13.4921	12.8226	12.7478	12.9000	398.3793	398.4928	740.2472	520.3116
Malawi	2006	13.8557	13.1953	13.1124	13.3000	418.8810	411.5065	767.7079	597.1856
Malawi	2007	14.2328	13.5894	13.4984	13.7000	436.5540	424.8714	779.9925	631.5762
Malawi	2008	14.6237	14.0051	13.9047	14.1000	444.7344	378.3873	720.2244	625.7532
Malawi	2009	15.0288	14.4423	14.3291	14.6000	418.6479	373.6303	778.7527	617.7164
Malawi	2010	15.4475	14.9008	14.7698	15.0000	377.6421	329.0848	776.6685	537.9910
Mali	1997	9.7838	10.3713	10.1680	9.4600	604.6202	735.3409	848.6867	802.7567
Mali	1998	10.0461	10.6625	10.4448	9.7100	620.9235	732.3382	874.7859	752.9500
Mali	1999	10.3357	10.9697	10.7365	9.9800	655.5379	754.5782	928.0308	773.3838
Mali	2000	10.6208	11.2953	11.0469	10.3000	639.3579	693.4779	869.8520	807.7505
Mali	2001	10.9176	11.6398	11.3761	10.6000	666.7952	701.7010	905.8044	831.3306
Mali	2002	11.2197	12.0019	11.7230	10.9000	645.2129	668.9448	889.8150	919.7843
Mali	2003	11.5228	12.3801	12.0889	11.2000	611.7957	593.8427	804.2135	816.9742
Mali	2004	11.8273	12.7723	12.4749	11.6000	685.5661	630.5538	879.5315	908.2132

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Mali	2005	12.1338	13.1766	12.8814	11.9000	634.5579	557.3736	792.9111	735.4451
Mali	2006	12.4465	13.5928	13.3099	12.3000	641.3242	546.7626	778.2055	791.1496
Mali	2007	12.7688	14.0208	13.7592	12.7000	653.6488	533.1272	748.7852	809.7020
Mali	2008	13.1008	14.4600	14.2234	13.1000	651.3058	519.3566	705.2405	788.6357
Mali	2009	13.4432	14.9098	14.6946	13.6000	656.5832	515.0345	677.2805	796.7260
Mali	2010	13.7964	15.3698	15.1673	14.0000	660.3286	486.7433	657.5668	811.5109
Mauritania	1997	2.3152	2.4254	2.4762	2.4800	1061.8727	1167.7656	1606.1872	957.8780
Mauritania	1998	2.3741	2.4953	2.5514	2.5500	1068.3736	1145.7665	1555.9220	1085.4564
Mauritania	1999	2.4369	2.5677	2.6298	2.6300	1090.8903	1128.3177	1530.6197	1146.6395
Mauritania	2000	2.5009	2.6427	2.7114	2.7100	1088.0820	1065.7121	1449.0098	1136.6685
Mauritania	2001	2.5658	2.7204	2.7965	2.7900	1061.8706	1027.8715	1377.7149	1100.2535
Mauritania	2002	2.6318	2.8003	2.8847	2.8800	1090.6316	1019.7957	1365.3570	1144.2312
Mauritania	2003	2.6992	2.8820	2.9747	2.9700	1120.7794	970.9725	1279.8986	1196.2636
Mauritania	2004	2.7680	2.9645	3.0649	3.0600	1098.7313	914.3291	1184.4433	1165.2090
Mauritania	2005	2.8379	3.0472	3.1541	3.1500	1130.0748	880.1797	1134.4299	1197.8287
Mauritania	2006	2.9091	3.1300	3.2418	3.2400	1153.3359	1017.2537	1325.1642	1308.9548
Mauritania	2007	2.9815	3.2127	3.3283	3.3300	1193.3267	992.5236	1303.2399	1304.5777
Mauritania	2008	3.0549	3.2953	3.4146	3.4200	1192.7488	919.0401	1285.0640	1285.2465
Mauritania	2009	3.1295	3.3776	3.5019	3.5200	1354.6277	1117.5398	1461.9149	1424.8557
Mauritania	2010	3.2051	3.4598	3.5914	3.6100	1611.5775	1377.4605	1663.6044	2074.2250
Mozambique	1997	16.8114	16.8624	16.8729	16.9000	383.2047	432.0946	644.3004	467.1960
Mozambique	1998	17.2196	17.2955	17.3174	17.4000	395.6407	438.7621	667.9649	488.3311
Mozambique	1999	17.6052	17.7360	17.7741	17.8000	410.7219	443.8780	686.6041	513.1210
Mozambique	2000	17.9968	18.2007	18.2645	18.3000	397.9731	413.8689	622.2508	476.9373
Mozambique	2001	18.3958	18.6915	18.7924	18.8000	396.8321	391.6825	606.3809	464.1216
Mozambique	2002	18.8019	19.2000	19.3487	19.3000	517.0844	490.2405	737.6232	616.6506
Mozambique	2003	19.2153	19.7210	19.9285	19.9000	533.2927	484.0668	723.8236	620.8333
Mozambique	2004	19.6371	20.2463	20.5232	20.4000	547.1785	495.5049	753.8345	633.3516
Mozambique	2005	20.0686	20.7700	21.1267	21.0000	572.5138	518.8759	791.7870	667.2583
Mozambique	2006	20.5117	21.2910	21.7379	21.6000	584.9312	516.0544	788.5430	683.3681
Mozambique	2007	20.9688	21.8113	22.3596	22.2000	614.4232	521.1947	802.0290	712.7275
Mozambique	2008	21.4392	22.3329	22.9949	22.8000	655.7482	554.2650	818.1579	771.1243
Mozambique	2009	21.9217	22.8586	23.6478	23.4000	672.2682	569.0210	819.7280	767.3959
Mozambique	2010	22.4175	23.3908	24.3215	24.0000	779.3520	609.8127	823.5259	812.0959
Namibia	1997	1.7661	1.7519	1.7581	1.7600	2476.6021	2816.4002	3996.8484	2340.2169
Namibia	1998	1.8065	1.8026	1.8099	1.8100	2510.5670	2764.4329	3925.6242	2411.8982
Namibia	1999	1.8467	1.8510	1.8573	1.8600	2496.8722	2674.8896	3805.1759	2333.5065
Namibia	2000	1.8934	1.8958	1.8980	1.9000	2560.8067	2802.3405	3937.4793	2798.5702
Namibia	2001	1.9351	1.9364	1.9310	1.9300	2701.2843	2964.2000	4173.6636	3031.9565
Namibia	2002	1.9607	1.9734	1.9577	1.9600	2623.8634	2794.6626	4013.4668	2913.6805
Namibia	2003	1.9834	2.0083	1.9805	1.9800	2798.5907	2931.5825	4188.6119	3022.5342
Namibia	2004	2.0066	2.0433	2.0027	2.0000	2821.7726	2937.4909	4209.6416	3008.1787
Namibia	2005	2.0284	2.0800	2.0270	2.0300	2806.4935	2778.5040	4042.2674	3084.2946
Namibia	2006	2.0491	2.1187	2.0539	2.0500	3033.2180	2872.2232	4260.7659	3464.2094
Namibia	2007	2.0690	2.1590	2.0832	2.0800	3201.5071	2961.9952	4134.1221	3570.9659
Namibia	2008	2.0887	2.2004	2.1157	2.1100	3384.3610	3133.8984	4566.1990	4046.3014
Namibia	2009	2.1087	2.2421	2.1524	2.1400	3635.2111	3332.5198	5280.3804	4339.2851
Namibia	2010	2.1285	2.2833	2.1936	2.1800	3573.1995	3091.5019	4891.0419	4342.8402
Niger	1997	9.8513	9.8359	10.0590	9.8500	376.8391	420.7359	583.2886	485.4615
Niger	1998	10.1957	10.1858	10.4327	10.2000	413.7160	451.7633	622.5816	520.1035
Niger	1999	10.5632	10.5482	10.8214	10.6000	419.0735	442.6940	611.2238	529.1864

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Niger	2000	10.9514	10.9224	11.2245	11.0000	390.7230	408.7168	553.4922	504.7671
Niger	2001	11.3622	11.3081	11.6423	11.4000	403.5241	416.9829	558.3429	511.9737
Niger	2002	11.7921	11.7062	12.0760	11.8000	410.4779	415.7792	556.1457	509.9222
Niger	2003	12.2393	12.1183	12.5267	12.3000	420.1801	416.9710	551.2561	540.6609
Niger	2004	12.7047	12.5469	12.9960	12.7000	416.0651	400.1352	542.7463	543.2252
Niger	2005	13.1889	12.9939	13.4854	13.2000	397.3490	385.1430	521.6381	496.2129
Niger	2006	13.6930	13.4601	13.9955	13.7000	396.8967	372.0953	497.8367	484.9191
Niger	2007	14.2147	13.9457	14.5276	14.2000	399.8122	368.3694	493.0139	489.9872
Niger	2008	14.7521	14.4500	15.0851	14.7000	405.5565	355.1482	496.5771	492.9146
Niger	2009	15.3063	14.9723	15.6722	15.3000	398.2854	344.1790	476.2370	502.2702
Niger	2010	15.8783	15.5120	16.2920	15.9000	381.7212	322.8791	442.8851	504.7480
Nigeria	1997	114.8620	115.2687	113.9751	114.0000	883.4739	951.0031	2237.5243	1190.8596
Nigeria	1998	117.5996	117.9834	116.8607	117.0000	865.3612	890.6380	2179.3262	978.0229
Nigeria	1999	120.3692	120.7844	119.8262	120.0000	778.2185	516.8951	1523.5736	953.3922
Nigeria	2000	123.1788	123.6885	122.8767	123.0000	789.1713	479.7675	1463.2776	1292.5538
Nigeria	2001	126.0143	126.7047	126.0149	126.0000	1163.2029	1294.5551	2550.5146	1911.3263
Nigeria	2002	128.8643	129.8324	129.2463	129.0000	1152.5545	819.6885	2497.0647	1551.6629
Nigeria	2003	131.7275	133.0671	132.5815	133.0000	1323.1790	1080.3465	2961.3015	1846.5767
Nigeria	2004	134.6045	136.3994	136.0333	136.0000	1205.6723	802.7564	2661.2038	1510.8348
Nigeria	2005	137.4951	139.8233	139.6113	140.0000	1147.1628	1096.6398	2583.6399	1293.4212
Nigeria	2006	140.3978	143.3389	143.3180	143.0000	877.6289	515.7795	1871.1673	888.8746
Nigeria	2007	143.3121	146.9515	147.1525	147.0000	1418.2675	1201.6915	3008.1392	1780.6656
Nigeria	2008	146.2553	150.6657	151.1157	151.0000	1146.9810	684.4326	2306.7424	1264.6145
Nigeria	2009	149.2291	154.4881	155.2071	155.0000	1490.1237	1329.2930	2971.7427	1725.9867
Nigeria	2010	152.2173	158.4232	159.4247	160.0000	1046.8845	1563.2239	2584.8837	2317.5031
Rawanda	1997	7.6474	6.2977	6.5061	6.4700	527.0437	679.0737	832.4592	762.6995
Rawanda	1998	8.0418	6.9441	7.0472	7.1700	527.1971	629.2611	795.7627	719.9804
Rawanda	1999	8.2224	7.5829	7.5851	7.8500	529.7545	573.0076	744.2497	636.0881
Rawanda	2000	8.3984	8.0983	8.0219	8.4000	522.5537	542.8920	743.0290	593.5518
Rawanda	2001	8.6110	8.4570	8.3291	8.7600	543.5977	523.3798	715.7722	612.0017
Rawanda	2002	8.8574	8.6964	8.5390	8.9900	599.7696	537.6296	746.9217	673.5302
Rawanda	2003	9.0985	8.8579	8.6865	9.1300	541.2923	473.4013	667.0200	571.7643
Rawanda	2004	9.3613	9.0097	8.8290	9.2500	558.9719	477.6673	682.3763	602.6190
Rawanda	2005	9.6111	9.2017	9.0082	9.4300	592.3446	500.2319	732.3896	645.7986
Rawanda	2006	9.8572	9.4414	9.2310	9.6600	660.8132	538.6282	754.1719	754.4600
Rawanda	2007	10.1411	9.7105	9.4811	9.9300	691.4604	546.6743	753.8739	797.1466
Rawanda	2008	10.4408	10.0041	9.7503	10.2000	703.3578	533.3481	813.2807	786.1939
Rawanda	2009	10.7463	10.3113	10.0246	10.5000	777.9567	592.8599	851.3089	882.1746
Rawanda	2010	11.0560	10.6240	10.2937	10.8000	814.6566	608.5472	860.2359	924.9807
Senegal	1997	8.8099	8.8127	9.1632	9.1600	983.7093	1408.7504	1555.5391	1114.5145
Senegal	1998	9.0371	9.0354	9.3869	9.3900	1031.0096	1430.4970	1620.5779	1191.4581
Senegal	1999	9.2528	9.2651	9.6176	9.6200	1053.5419	1390.0731	1623.7163	1226.1003
Senegal	2000	9.4693	9.5059	9.8606	9.8600	1061.6100	1288.3664	1546.1879	1234.4321
Senegal	2001	9.7162	9.7588	10.1181	10.1000	1084.3837	1272.5087	1565.9524	1237.4923
Senegal	2002	9.9724	10.0232	10.3895	10.4000	1103.9701	1233.0197	1553.9513	1271.5755
Senegal	2003	10.2401	10.2980	10.6733	10.7000	1135.3306	1229.9923	1576.1521	1338.0477
Senegal	2004	10.5191	10.5813	10.9670	11.0000	1152.6389	1198.0427	1563.6795	1329.3794
Senegal	2005	10.8041	10.8719	11.2690	11.3000	1178.5822	1165.9253	1557.7704	1349.4798
Senegal	2006	11.0961	11.1695	11.5784	11.6000	1200.9566	1159.5071	1531.1969	1373.1758
Senegal	2007	11.3943	11.4747	11.8972	11.9000	1230.4725	1159.7422	1519.4941	1411.4041
Senegal	2008	11.6983	11.7871	12.2297	12.2000	1232.9588	1133.5623	1528.8758	1429.0526

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Senegal	2009	12.0081	12.1069	12.5816	12.6000	1249.9814	1184.7015	1559.5470	1485.9380
Senegal	2010	12.3233	12.4337	12.9568	13.0000	1218.4960	1134.8843	1519.5369	1475.6719
Sierra Leone	1997	3.7652	3.9137	3.8435	3.9300	529.5834	631.9920	767.4869	397.4004
Sierra Leone	1998	3.7457	3.9537	3.8785	3.9600	504.9256	555.4420	700.3290	359.5068
Sierra Leone	1999	3.7356	4.0283	3.9488	4.0300	474.2981	472.9635	608.3051	286.2685
Sierra Leone	2000	3.8091	4.1431	4.0607	4.1400	566.0322	499.6370	662.7435	408.5436
Sierra Leone	2001	4.0434	4.3039	4.2202	4.3000	646.9125	575.1603	777.4733	690.9843
Sierra Leone	2002	4.2868	4.5055	4.4222	4.4900	722.7318	650.0603	891.0975	792.4524
Sierra Leone	2003	4.4657	4.7300	4.6477	4.7100	897.1845	647.8307	901.8275	804.2786
Sierra Leone	2004	4.6022	4.9521	4.8705	4.9300	841.4411	630.7337	897.5904	806.5083
Sierra Leone	2005	4.7081	5.1534	5.0713	5.1200	707.1095	608.3520	871.9292	784.6856
Sierra Leone	2006	4.8176	5.3274	5.2432	5.2800	557.8932	588.3890	845.9871	783.9201
Sierra Leone	2007	4.9183	5.4783	5.3911	5.4200	579.9024	609.2323	875.6626	819.0760
Sierra Leone	2008	5.0230	5.6121	5.5218	5.5300	545.0831	617.9232	891.9680	860.0452
Sierra Leone	2009	5.1321	5.7393	5.6472	5.6400	568.8404	657.0075	916.9879	934.9523
Sierra Leone	2010	5.2457	5.8675	5.7759	5.7500	553.4778	607.4812	768.9912	819.1534
South Africa	1997	43.3536	42.8734	42.9215	42.9000	4092.9837	4688.9871	6700.1520	4390.0862
South Africa	1998	43.9619	43.5162	43.5840	43.6000	4070.2935	4591.4831	6555.0369	4376.7007
South Africa	1999	44.5263	44.1373	44.2337	44.2000	4065.8754	4549.3985	6525.9428	4344.7289
South Africa	2000	45.0641	44.7604	44.8969	44.8000	4166.6676	4531.8428	6479.5189	4431.8484
South Africa	2001	45.5762	45.3896	45.5792	45.5000	4272.5307	4557.1379	6508.0992	4521.7151
South Africa	2002	46.0770	46.0154	46.2722	46.2000	4387.5353	4521.2943	6435.2780	4661.6087
South Africa	2003	46.5666	46.6314	46.9713	46.9000	4455.0779	4542.2191	6406.8707	4692.9901
South Africa	2004	47.0329	47.2267	47.6672	47.6000	4681.2025	4629.7022	6547.4304	4946.6871
South Africa	2005	47.4834	47.7928	48.3530	48.2000	4896.4917	4772.2477	6742.8513	5219.1038
South Africa	2006	47.9257	48.3309	49.0278	48.9000	5256.4922	4970.7130	6902.2647	5699.4310
South Africa	2007	48.3671	48.8425	49.6936	49.6000	5394.4778	5045.0458	7036.2952	5971.7318
South Africa	2008	48.7828	49.3194	50.3488	50.3000	5465.0761	5005.1610	6926.2846	6045.4039
South Africa	2009	49.0525	49.7515	50.9920	50.9000	5331.6635	4962.1972	6763.9073	5965.5182
South Africa	2010	49.1091	50.1328	51.6216	51.5000	5572.1047	5126.6916	6992.1898	6358.0435
Swaziland	1997	1.0611	1.0068	1.0068	1.0100	2634.9341	3730.9193	5677.0955	2991.1485
Swaziland	1998	1.0894	1.0287	1.0287	1.0300	2738.8692	3639.1257	5630.8898	3221.9930
Swaziland	1999	1.1171	1.0482	1.0482	1.0500	2783.2500	3544.1005	5610.5406	3304.0002
Swaziland	2000	1.1439	1.0638	1.0637	1.0600	2810.9684	3493.8482	5633.9709	3543.0564
Swaziland	2001	1.1695	1.0751	1.0748	1.0700	2677.6718	3239.7397	5410.9522	3413.6445
Swaziland	2002	1.1937	1.0828	1.0822	1.0800	2502.0101	3195.2188	5445.5130	3242.3480
Swaziland	2003	1.2164	1.0887	1.0879	1.0900	2423.4801	2715.6689	5179.5863	3203.5425
Swaziland	2004	1.2379	1.0955	1.0948	1.0900	2600.8994	2609.9655	5177.7736	3492.0587
Swaziland	2005	1.2590	1.1049	1.1046	1.1000	2682.9885	2932.7690	5186.8085	3637.4062
Swaziland	2006	1.2798	1.1176	1.1182	1.1200	2772.2641	3185.9313	4910.9596	3801.4985
Swaziland	2007	1.2999	1.1330	1.1349	1.1300	2812.7863	3513.7270	4799.9934	4392.1080
Swaziland	2008	1.3191	1.1503	1.1538	1.1500	3168.6195	3772.4085	4975.4331	4659.8257
Swaziland	2009	1.3372	1.1683	1.1735	1.1700	3266.0162	3925.5334	5027.8120	4714.0757
Swaziland	2010	1.3541	1.1861	1.1931	1.1900	3211.5008	3774.1370	5271.3431	4412.8188
Tanzania	1997	31.0927	30.9565	30.8978	31.0000	485.3509	648.0287	863.9318	453.6274
Tanzania	1998	31.9510	31.5247	31.4600	31.5000	514.4676	670.5884	915.1172	551.4213
Tanzania	1999	32.8080	32.3083	32.2463	32.3000	523.8275	655.3816	918.8753	563.8855
Tanzania	2000	33.7121	33.1222	33.0756	33.1000	517.5953	614.5944	881.5753	560.2392
Tanzania	2001	34.5672	33.9731	33.9551	34.0000	523.5906	590.0236	870.3353	573.4588
Tanzania	2002	35.3831	34.8505	34.8735	34.8000	541.4111	584.0245	883.9399	606.8490
Tanzania	2003	36.1988	35.7773	35.8552	35.7000	544.7495	549.9497	856.2090	602.0001

Table S7 Populations and Constant Price Means

Country	Year	Population (millions)				Estimated constant price means			
		PWT7	PWT8	PWT9	UQICD	PWT7	PWT8	PWT9	UQICD
Tanzania	2004	36.9900	36.7459	36.8943	36.7000	568.6470	538.7779	862.0370	636.8766
Tanzania	2005	37.7706	37.7580	37.9926	37.8000	620.2980	550.0180	907.1059	720.8171
Tanzania	2006	38.5685	38.7796	39.1168	38.8000	658.3582	539.4361	890.7511	746.6604
Tanzania	2007	39.3842	39.9288	40.3749	40.0000	685.1725	531.3598	877.2179	763.6170
Tanzania	2008	40.2132	41.0921	41.6590	41.2000	703.6359	537.3088	967.8219	774.0476
Tanzania	2009	41.0485	42.3113	42.9961	42.4000	713.4185	555.0285	1054.9679	768.8552
Tanzania	2010	41.8929	43.5882	44.3803	43.7000	770.2383	572.0759	1120.4880	821.5855
Uganda	1997	21.8610	22.1232	21.6795	22.1000	663.8176	623.8344	931.3176	579.6464
Uganda	1998	22.5021	22.7888	22.3368	22.8000	703.5571	641.6590	959.9170	641.5239
Uganda	1999	23.2277	23.4825	23.0264	23.5000	727.5629	647.7094	969.5015	642.0782
Uganda	2000	23.9558	24.2131	23.7576	24.3000	756.8197	650.2937	968.0489	705.1233
Uganda	2001	24.6900	24.9842	24.5347	25.1000	771.2815	678.0084	1007.1590	724.6055
Uganda	2002	25.4696	25.7944	25.3558	25.9000	766.7090	670.7939	994.7399	711.4917
Uganda	2003	26.3220	26.6416	26.2178	26.8000	762.0572	642.3173	953.0218	685.0365
Uganda	2004	27.2337	27.5216	27.1147	27.8000	767.0306	627.9892	932.0059	774.7304
Uganda	2005	28.1994	28.4312	28.0424	28.7000	783.2466	640.2656	949.4291	695.4978
Uganda	2006	29.2065	29.3703	29.0009	29.7000	852.6135	685.9423	1010.6794	752.9882
Uganda	2007	30.2626	30.3399	29.9920	30.7000	840.1856	664.3649	981.9144	744.4459
Uganda	2008	31.3680	31.3394	31.0144	31.8000	868.5951	676.7381	995.3127	688.6451
Uganda	2009	32.3696	32.3679	32.0671	32.9000	928.8298	731.7910	1146.5843	855.0848
Uganda	2010	33.3987	33.4247	33.1494	34.0000	905.9510	803.5768	1170.2117	936.5657
Zambia	1997	9.5155	9.4181	9.7637	9.3200	786.5317	1019.7064	1266.7535	809.8591
Zambia	1998	9.7808	9.6821	10.0344	9.5800	767.0687	929.1298	1232.1307	759.1199
Zambia	1999	10.0500	9.9451	10.3093	9.8400	739.9987	864.4292	1226.3183	671.8728
Zambia	2000	10.3452	10.2016	10.5852	10.1000	771.1090	888.1776	1226.1573	802.7697
Zambia	2001	10.6461	10.4498	10.8612	10.4000	653.3868	732.1378	1245.9874	792.1450
Zambia	2002	10.9170	10.6935	11.1400	10.6000	699.9841	740.7713	1188.0223	834.7692
Zambia	2003	11.1725	10.9383	11.4260	10.9000	672.2248	660.8848	969.2595	739.8468
Zambia	2004	11.4337	11.1924	11.7256	11.2000	796.0345	735.2310	1126.6624	814.8774
Zambia	2005	11.7104	11.4624	12.0436	11.5000	789.6518	702.2232	1047.0867	770.0252
Zambia	2006	12.0133	11.7501	12.3815	11.8000	921.1970	807.2830	1208.1444	969.1884
Zambia	2007	12.3411	12.0554	12.7387	12.1000	1087.8243	941.7554	1523.8831	1650.4448
Zambia	2008	12.6942	12.3796	13.1146	12.5000	1051.1006	872.0268	1258.5498	1451.1988
Zambia	2009	13.0607	12.7237	13.5078	12.8000	1108.8068	878.8232	1298.8801	1416.7286
Zambia	2010	13.4603	13.0886	13.9174	13.2000	1207.5865	1099.0723	1805.7464	1981.0947