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Working Paper Gender Wage Inequality and Economic Growth: Is there Really a Puzzle?

NRN Working Paper, NRN: The Austrian Center for Labor Economics and the Analysis of the Welfare State, No. 0908

Provided in Cooperation with:

NRN: The Austrian Center for Labor Economics and the Analysis of the Welfare State, Johannes Kepler University Linz

Suggested Citation: Schober, Thomas; Winter-Ebmer, Rudolf (2009) : Gender Wage Inequality and Economic Growth: Is there Really a Puzzle?, NRN Working Paper, NRN: The Austrian Center for Labor Economics and the Analysis of the Welfare State, No. 0908, Johannes Kepler University Linz, NRN - The Austrian Center for Labor Economics and the Analysis of the Welfare State, Linz

This Version is available at: https://hdl.handle.net/10419/115017

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Gender Wage Inequality and Economic Growth: Is there Really a Puzzle?

by

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July 2009

Supported by the Austrian Science Funds



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Gender Wage Inequality and Economic Growth: Is there Really a Puzzle?^{*}

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July 2009

Abstract:

Seguino (2000) shows that gender wage discrimination in export-oriented semi-industrialized countries might be fostering investment and growth in general. While the original analysis does not have internationally comparable wage discrimination data, we replicate the analysis using data from a meta-study on gender wage discrimination and do not find any evidence that more discrimination might further economic growth – on the contrary: if anything the impact of gender inequality is negative for growth. Standing up for more gender equality – also in terms of wages – is good for equity considerations and at least not negative for growth.

^{*}Thanks to Doris Weichselbaumer and Martina Zweimüller for help with the data and René Böheim and Martin Halla for comments. This research was supported by the Austrian FWF (NFN "Labor Economics and the Welfare State").

1. Introduction

In an influential paper¹ Seguino (2000) showed that gender wage inequality might be good for economic growth. Her hypothesis concerned semi-industrialized export-oriented countries: low wages for female workers in export industries might foster investment, exports and also growth of the economy in general. The analysis was taken up by Mitra-Kahn and Mitra-Kahn (2009), emphasizing her results and arguing that discrimination of females was particularly growth-promoting in early stages of development. These results are in strong contrast to studies showing convincingly that gender inequality in terms of education or access to jobs is detrimental to growth. While the study by Seguino (2000) may legitimate gender discrimination as being a positive factor for economic growth in the economy, Seguino (2000) herself is only questioning export-oriented growth and industrialization strategies of developing countries: "Yet evidence presented here suggests that gender inequality is a *casual* factor in investment and economic growth for the semi-industrialized countries in the sample used here" (emphasis added, p. 1224).

While the theory of Seguino (2000) relates to wage discrimination: i.e. paying lower wages to women with equal productivity, the data she has at her disposal are only aggregate wage gaps. We replicate the empirical analysis with internationally comparable gender wage discrimination data coming from a meta-regression on the international gender wage gap (Weichselbaumer, Winter-Ebmer, 2005) and cannot confirm her results: Using various definitions of the gender wage gap, none of the regressions show any positive impact of gender wage discrimination on economic growth.

We revise the discussion about gender inequality and growth in Section 2. Section 3 discusses our construction of gender wage discrimination measures, Section 4 describes the data used and Section 5 presents our results for the growth regressions. Section 6 concludes.

2. Gender inequality and economic growth

The relation between gender inequality and economic growth is complex and covers several plausible direct and indirect links. In the following, we give a short outline of previous work.

There is solid evidence that gender inequality in education is detrimental to growth. The theoretical literature suggests that gender inequality will reduce average human capital, thus harming economic growth. Given different talents of children, declining education to

¹ The article by Seguino (2000) was cited 132 times in Google Scholar and 19 times in the SSCI – among them several UN or World Bank reports.

equally-talented females must mean that marginal returns to educating girls must be higher than that of boys, which is inefficient (Knowles et al., 2002). While Barro and Lee (1994) found negative coefficients for female education in growth regressions, the subsequent literature showed that this result was due to the inclusion of some outliers (Dollar and Gatti, 1999) and multicollinearity between male and female school attainment (Klasen, 2002). Moreover, female education might have positive additional effects, such as reduced fertility, lower child mortality or higher education of the offspring, which by themselves are all fostering long-term growth perspectives of a country (Schultz, 1997, Galor and Weil, 1996, Lagerlöf, 2003).

Somewhat less robust are results concerning females' access to employment. Klasen and Lamanna (2008) investigate the growth implications of employment gaps. In a crosscountry study covering the time period 1960-2000 they point out the high costs of low female labour force participation for the Middle East and North Africa, which is found to be a major factor explaining growth differences with East Asia. Esteve-Volart (2009) shows for Indian regions that gender gaps in access to managerial positions and to employment more general distorts the optimal allocation of talent and reduces growth.

While there is a large amount of literature on unequal access of females to education, the labor market and other productive assets (such as land, credit, etc.), there is less literature on direct effects of gender wage differentials or discrimination on growth. One argument in favour of gender wage equality invokes market distortions because of wage discrimination. There are efficiency losses concerning the potential of an economy's workforce: If discriminated against, women might hesitate to participate in the labour market because their reservation wage is not met (Baldwin and Johnson, 1992). Furthermore, existing wage gaps could affect human capital investment negatively.

There is another way how gender aspects might influence household decisions: A number of studies show that resources devoted to children's wellbeing rise with mother's control over these resources (Sinha, Raju and Morrison (2007)). Wage gaps which deteriorate women's income position or discourage them from entering the labour market could negatively affect their bargaining power within the household. Therefore, human capital endowments of the next generation might suffer and restrain development. Thomas (1997), for instance, uses household survey data from Brazil containing information about labour and non-labour income. He finds that increased income for women is linked to a larger share of household budget used for household services, health and education and results in better outcomes of child health. Another indirect effect might operate via fertility (Galor and Weil,

1996): Fertility decisions of households are also influenced by relative wages of women. Opportunity costs of children rise with wages, leading to lower population growth and increased level of capital per worker – and, in turn, to higher growth.

Seguino (2000), on the other hand, argues with respect to international competitiveness: gender wage differentials may act as a stimulus to growth in semiindustrialized export-oriented economies. Lower relative wages in female-dominated manufacturing industries will make investment attractive because of high expected profitability; this will boost exports and economic growth. She backs this analysis with a macroeconomic growth model (Blecker and Seguino, 2002), where lower female wages relax the balance of payments constraint faced by developing countries that require technology imports to move up the industrial ladder. These considerations conform with the labor market analysis of Standing (1999), who argues that female labor force participation has risen in countries with export-led industrialization due to a pursuit towards lower wages to gain global competitiveness.

Seguino (2000) as well as Mitra-Kahn and Mitra-Kahn (2009) – using the same data – find supportive evidence for a small sample of semi-industrialized countries. The argument is partly supported by the results of Busse and Spielmann (2005), which indicate that countries with higher gender wage gaps have higher exports in labour-intensive goods. However, the authors explicitly doubt that this mechanism can lead to faster growth and emphasize that rather the export structure than total exports are affected. ²

3. Measures of wage discrimination

Following Seguino (2000), we analyse the period 1975-1995 where various developing countries successfully adopted export orientation strategies to pursue economic growth. Data sources and definitions of variables can be obtained from Table 1. Average values of the key variables are presented in Table 2.

The essential difference in our work is the source of information on gender wage gaps. Seguino (2000) relies on aggregate earnings data from the International Labour Organization (ILO). Gender wage gap studies require hourly wages, but hours worked were not recorded for some countries. Seguino corrected the earnings data for hours worked in the available cases (p. 1225). Using aggregate earnings or wage data is not appropriate in such an analysis

 $^{^2}$ Surprisingly, in another study Seguino and Floro (2003) show with data for 20 developing countries that females have higher savings rates; thus an increase in female wages will lead to higher aggregate savings – contradicting her main argument, because high savings ratios are generally good predictors of growth rates.

because the theoretical argument relates to wage discrimination: the female-dominated export industry³ is boosted if there is a gender wage gap for workers with the same productivity. ⁴

An estimate of gender-discrimination can only be constructed by using micro data, either by using a sex dummy from a wage regression, controlling for productive characteristics like education, training, job-experience etc., or an explicit Blinder-Oaxaca wage decomposition. In the latter, following Blinder (1973) and Oaxaca (1973), wages are estimated separately for individuals i of the different groups g (males m and females f):

$$W_{gi} = \beta_g X_{gi} + \varepsilon_{gi}, \tag{1}$$

where W_{gi} is the log wage and X_{gi} is a vector of control characteristics of an individual i of group g.

The total wage differential between men and women can then be decomposed into an explained part due to differences in characteristics and an unexplained residual. The difference in mean wages can be written as:

$$\overline{W_m} - \overline{W_f} = (\overline{X_m} - \overline{X_f})\hat{\beta}_m + (\hat{\beta}_m - \hat{\beta}_f)\overline{X_f} \equiv E + U , \qquad (2)$$

where \overline{W}_g and \overline{X}_g denote the mean log wages and control characteristics of group g and $\hat{\beta}_g$ represents the vector of estimated parameters from equation (1). While the first term stands for the effect of different productive characteristics (the endowment effect *E*), the second term represents the unexplained residual *U* which is due to differences in the estimated coefficients for both groups and is often referred to as discrimination effect.

Our wage discrimination data come from a meta-analysis of existing studies of Blinder-Oaxaca wage decompositions conducted by Weichselbaumer and Winter-Ebmer (2005).⁵ Meta-analysis is a helpful tool to compare empirical results coming from different data sets or being obtained with different econometric methods (Stanley, 2001). This technique is particularly suitable for the examination of gender wage differentials because the literature in this area is very standardized in the way the parameter of interest – the discrimination component – is usually estimated. Meta-analysis is collecting all details of the

³ Note that in principle gender wage discrimination data for the export sector only would be required; a restriction neither Seguino (2000) nor we can fulfil.

⁴ As one crude way to correct for different productivity, Seguino (2000) in another wage gap measure divides aggregate wages by mean educational attainment.

⁵ These data have also been used to explain international differences in gender wage gaps and the impact of competition and anti-discrimination laws at an international level (Zweimüller et al., 2008; Weichselbaumer and Winter-Ebmer, 2007).

existing studies and uses them in a meta-regression analysis to make the results comparable across studies (i.e. countries and time).

For the meta-analysis on gender wage differentials, all accessible published estimates for sex-discrimination were collected. In November 2000, Weichselbaumer and Winter-Ebmer searched the Economic Literature Index for any reference to: "(wage* or salar* or earning*) and (discrimination or differen*) and (sex or gender)". In total, 263 papers provided them with the respective estimates for differences in wages of men and women with identical characteristics in 62 countries and cover the time span from 1963 to 1997.

The meta-regression model takes the form:

$$R_{j} = \sum a_{k} Z_{kj} + \sum b_{i} t_{ji} + \sum d_{i} c_{lj} + \varepsilon_{j},$$
(3)
(j = 1, 2, ... J), (k = 1, 2, ... M), (l = 1, 2, ... L), (t=1, 2, ... T)

where R_j represents the "gender wage residual", i.e., the unexplained log wage differential, of study *j*, which can either be the coefficient of a gender dummy from a wage regression or the Blinder-Oaxaca unexplained residual U_j from (2), Z_{kj} are the *k* meta-independent variables, t_{jt} are time dummies and c_{lj} are a set of country dummies; a_k , b_t and d_l are parameters to be estimated.

To extract all the relevant characteristics of a paper and record them in the meta data set, each article was analyzed and carefully coded. The included meta-independent variables can be grouped into three categories: variables concerning the data selection, variables capturing the applied econometric method and variables specifying the type of control variables which were (not) included in the original wage regressions. Specifically, 14 variables for data set selection (e.g., data source (administrative statistics or survey data), data set restrictions to never-married individuals, minorities, etc.), nine variables for econometric methods (such as Blinder-Oaxaca, dummy variable approach, use of instrumental variables, Heckman sample selection, or panel data methods), 21 variables for inclusion of specific human capital control variables (e.g., experience, training, tenure, occupation) in the underlying log wage regressions plus a variable for the sex of the researcher were used.⁶

Such a meta-regression allows us to construct three internationally comparable estimates of gender wage gaps: The "*raw gap*" is the mean gender wage differential from the original studies, which does not control for any human capital differences between the sexes. The "*unexplained gap*" is the discrimination component estimated in the respective studies;

⁶ See Weichselbaumer and Winter-Ebmer (2005) for a more detailed description and for specification and robustness checks of the same general model that we use here.

this gap is controlling for different productivity characteristics – but in a way which is idiosyncratic to the data and econometric methods used in the study. Finally, our meta-regression analysis allows us to construct a *"meta residual"*: using predicted values from the meta-regression we can estimate what each paper would have reported if a standard method and data set had been used and make the results comparable. This provides us with internationally comparable gender wage residuals for a variety of countries which are better comparable as aggregate data.

We follow exactly the specification of Seguino (2000) and restrict our estimation to a limited number of explanatory variables.⁷ The function for the GDP growth rate (d log Y), can be written as

d log Y =
$$\alpha + \gamma_1 d \log K + \gamma_2$$
 human capital + γ_3 gender wage gap + u, (4)

where d log K is the growth rate of the capital stock measured as the growth rate of gross fixed capital formation, and "years of secondary education of the population aged 15 and over" is our proxy for human capital. The coefficients of primary interest are those for our three different measures of the gender wage gap.

4. Data

Seguino (2000) restricts her sample to 20 semi-industrialized countries which are characterized by export orientation and a large share of female employees in manufacturing industries. Due to availability problems for gender wage gaps compared to the ILO-database, we choose to construct three different samples for the regression analyses.

Sample A consists of the 16 countries in Seguino's original sample for which meta wage information is available⁸. In sample B we add low or middle income countries if they fulfil two criteria: Their exports to GDP ratio as well as the share of manufacturing in exports exceed those shares for the countries in the original Seguino sample. These additional 11 countries therefore extend the sample while they should be similar enough to the original countries to be consistent with Seguino's hypothesized mechanism.

⁷ For instance, Seguino (2000) does not include initial conditions (i.e., log (GDP) at the beginning of the period) in her regression.

⁸ We are losing Greece, Paraguay, Sri Lanka and Turkey. Estimations including the raw gender wage gap have fewer observations because of missing data.

Table 2 lists countries included in the different samples and the mentioned indicators. Export shares and structure vary substantially within the countries of sample A. Hong Kong stands out with the highest values in both categories, pointing out the countries' distinct export performance. With 9.2%, Brazil has the lowest average value of exports to GDP, Chile shows the lowest share of manufacturing exports with a share of 10.1% in total exports. Countries in sample B surpass these values, leading to a sample average of 21.5% in exports to GDP and 32.5% in manufacturing exports, compared to averages of 34.2% and 44.5% in sample A.

Sample C finally consists of countries from all income classes where meta wage information is available, driving the sample size up to 54 countries.⁹

5. Results

Our first results in Table 3 present growth regressions for the period 1975-1995 based on a cross-section of countries. Whereas the number of countries is rather small in Sample A, we have more countries in Samples B and C. Column (1) presents Seguino's standard model without wage inequality, while in Columns (2) to (4) we add our different measures for gender wage gaps one by one. The estimated models are largely consistent with established results in the literature: investment has a large positive effect on cross-country growth rates, human capital is in general positive, but due to the small sample size not significant. When we use the (small) Sample A, all the estimates with respect to gender wage differentials are practically zero: low coefficients and low t-statistics. Using our preferred Sample B, which does fulfil all the requirements from Seguino (2000) all coefficients are even negative (!), the same as in Sample C. For our preferred gender wage gap measure – the "meta wage residual" which provides the most internationally comparable wage discrimination estimate – we even get marginally significant negative results. So with due caution, we can say, that more discrimination is definitely not related to higher growth rates; if anything, it tends to reduce growth rates somewhat.

The results in Table 4 show results using five-year average growth rates with a fixed effect panel regression. These results are very similar to the ones using only cross-sectional data. Here we find all nine coefficients for the gender wage estimates to be negative and

⁹ The construction of internationally comparable gender wage gaps is also possible using micro data from the International Social Survey Programme (ISSP). Unfortunately, these data mainly cover OECD countries, which are not appropriate for assessing the gender discrimination-growth hypothesis in export-oriented developing countries. Nonetheless, using these data for 19 (period 1975-1995) or 24 (period 1985-2000) countries, we did not find any relation between gender wage differentials and growth (results are available on request).

insignificant. To summarize, none of the results – and also no with more extended growth models – show positive and significant relations between more discrimination of females and higher growth. 10

6. Conclusion

The relationship between gender (in)equality and economic development has been discussed quite controversially. There is general agreement that keeping women away from education and the labor market in general is restricting the pool of talent and thus detrimental to development and growth. But there are also studies showing that export-led growth in semi-developed countries could be fostered by cheap female labor and gender wage discrimination, which is disturbing from an equity point of view. As previous studies did not have appropriate gender wage discrimination data at their disposal, they had to rely on aggregate gender wage gaps where different productivity of males and females cannot be accounted for. Once we use internationally comparable data for gender wage discrimination we do not find any evidence that more discrimination might further economic growth – on the contrary: if anything the impact of gender inequality is negative for growth. Standing up for more gender equality – also in terms of wages – is good for equity considerations and at least not negative for growth.

¹⁰ In the appendix we show extended regressions including initial conditions (log of GDP per capita), life expectancy, as well as an openness indicator; the impact of our various measures of the gender wage gap is in most cases negative and only once statistically significant – again with a negative sign.

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Table 1: Variable description and data sources

Variable	Description	Data source
Raw gender wage gap	Mean gender wage differential from	Weichselbaumer and Winter-
	the original studies	Ebmer (2005)
Unexplained gender wage gap	Discrimination component estimated in the original studies	()
Meta wage residual	Fitted values of the meta-regression	٤ ٢
Human capital	Years of secondary education of the population aged 15 and over	Barro and Lee (2000)
d log K	Growth rate of gross fixed capital formation	World Development Indicators 2004 and Taiwan Statistical Data Book 2008
GDP growth	Average growth rate of GDP	۷۶ د ک
Exports/GDP	Exports of goods and services in % of GDP	.,
Manufactures exports	Manufactures exports % of merchandise exports	.,
Life expectancy	Life expectancy at birth	٤٦
Openness	Exports plus Imports divided by GDP	Penn World Tables Version 6.2
log(GDP)	Natural log of real GDP per capita	٤٦

$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Country		Manufactures			Gender wage gaps	8
Countries in Sample A: p Brazi 0.476 0.452 0.0 Chile 26.8 10.1 1.53 0.221 0.250 0 Colombia 15.9 23.1 1.35 0.222 0.115 0 Costa Rica 33.4 24.7 1.09 0.667 0.185 0 Cyprus 47.8 53.0 2.19 0.592 0.370 0 H Salvador 24.5 3.22 0.45 0.370 0.270 0 Hong Kong, China 109.5 95.4 3.24 0.174 0.135 0 Indonesia 25.7 19.1 0.64 801 0.540 0 Malaysia 60.6 63.57 1.42 0.402 0.228 0 Meliopines 25.1 29.8 1.40 0.227 0.373 0 Polippines 25.1 29.8 1.40 0.225 0.228 0 Taiana 1.27 65.7		Exports/GDP	exports(%)	HK	Raw	Unexplained	Meta resid
Brazil 9.2 43.2 0.67 0.476 0.452 0 Colombia 15.9 23.1 1.35 0.221 0.15 0 Colombia 15.9 23.1 1.35 0.222 0.15 0 Cyprus 47.8 53.0 2.19 0.592 0.370 0 El Salvador 24.3 3.22 0.45 0.370 0.270 0 Indonesia 25.7 19.1 0.64 0.801 0.544 0.05 Malaysia 60.6 35.7 1.42 0.402 0.250 0 Maiaysia 60.6 35.7 1.42 0.402 0.250 0 Optogal 26.3 75.7 1.8 0.227 0.33 0 Optogal 26.3 75.7 1.8 0.225 0.228 0 Singapore 58.1 1.93 0.400 0 0 Taiwan 2.40 0.425 0.228 0.219 0 Additional Countries in sample E: C 0 0.354 0.266	Countries in Sample A:						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Brazil	9.2	43.2	0.67	0.476	0.452	0.451
Colombia 15.9 23.1 1.35 0.222 0.15 0 Costa Rica 33.4 24.7 1.09 0.067 0.185 0 Cypus 47.8 53.0 2.19 0.592 0.370 0 El Salvador 24.5 32.2 0.45 0.370 0.270 0 Indonesia 25.7 19.1 0.64 0.801 0.540 0 Malaysia 60.6 35.7 1.42 0.402 0.250 0 Malaysia 60.6 35.7 1.42 0.402 0.228 0 Philippines 25.1 29.8 1.40 0.227 0.373 0 Ortrugal 26.3 75.7 1.18 0.223 0.185 0 Singapore 58.1 193 0.440 0 Taiwan 2.40 0.425 0.228 0 Taiwan 2.40 0.425 0.228 0 Caternala 11.3 69.7 1.46 0.225 0.219 0 Additional Countries in sample B: China 11.3 69.7 1.46 0.225 0.258 0 Nicaragen 28.1 10.6 0.46 0.478 0.170 0 Panama 39.3 13.3 1.62 0.221 0.184 0 Kenya 28.1 16.6 0.46 0.478 0.170 0 Panama 39.3 13.3 1.62 0.221 0.184 0 Vicaragen 23.4 11.1 0.62 0.863 0.631 0 Pakistan 12.7 65.7 1.06 0.354 0.266 0 Panama 39.3 13.3 1.62 0.221 0.189 0 Parama 39.3 13.3 1.62 0.221 0.180 0 Parama 39.3 13.3 1.62 0.221 0.021 0 Cadditional Countries in sample C: Additional Countries in sample C: Agentia 4.8 12.5 0.14 0.073 0 Daubados 57.1 60.1 2.97 0.205 0.211 0 Daubados 57.1 60.1 2.97 0.205 0.210 0 Daubados 57.1 60.1 2.97 0.205 0.210 0 Daubados 57.1 60.1 2.97 0.205 0.211 0 Daubados 57.1 60.1 2.97 0.205 0.210 0 Daubados	Chile	26.8	10.1	1.53	0.221	0.250	0.253
Costa Rica 33.4 247 1.09 0.067 0.185 0 Cyprus 47.8 53.0 2.19 0.592 0.370 0 El Salvador 24.5 32.2 0.45 0.370 0.270 0 Hong Kong, China 109.5 95.4 3.24 0.174 0.135 0 Norea, Rep. 31.6 90.5 3.02 0.005 0.168 0 Malaysia 60.6 35.7 1.42 0.402 0.250 0 Mexico 14.7 36.7 1.27 0.224 0.133 0 Portugal 26.3 75.7 1.18 0.223 0.185 0 Singapore 58.1 93 0.040 0 Taiwan 2.40 0.425 0.228 0 Thailand 27.2 40.8 0.65 0.328 0.219 0 Additional Countries in sample B: China 18.0 24.6 0.45 0.370 0.184 0 Kerya 28.1 16.6 0.46 0.478 0.770 0.184 0 Kerya 28.1 16.6 0.46 0.478 0.631 0 Nearagua 28.1 16.6 0.46 0.478 0.631 0 Partura 13.3 1.62 0.221 0.184 0 Partura 28.1 16.6 0.46 0.478 0.631 0 Partura 29.3 13.3 1.62 0.224 0.023 0 Partura 16.3 13.8 1.50 0.246 0.223 0 South Africa 27.4 29.2 0.84 0.284 0.511 0 Partura 16.3 13.8 1.50 0.246 0.223 0 South Africa 27.4 29.2 0.84 0.284 0.511 0 Ordingal 20.6 37.8 1.83 0.295 0.201 0 Additional Countries in sample C: Additional Countries in sample C: Additional Countries in sample C: Additional 20.4 3.5 0.120 0.473 0.380 0 Canacemala 8.3 25.9 1.38 0.466 0.329 0 Ouruguay 20.6 37.8 1.83 0.295 0.201 0 Additional 24.4 85.7 3.73 0.246 0.221 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 6.9 6.00 0.78 0.372 0.240 0 Bolivia 0.18 0.106 0 Bordand 52.8 6.1.1 2.29 0	Colombia	15.9	23.1	1.35	0.222	0.115	0.107
$\begin{array}{c} \mbox{Cypnis} & 47.8 & 53.0 & 2.19 & 0.992 & 0.370 & 0 & 0 \\ \mbox{Evaluation} & 24.5 & 33.2 & 0.45 & 0.370 & 0.270 & 0 \\ \mbox{Hong Kong, China} & 109.5 & 95.4 & 3.24 & 0.174 & 0.135 & 0 \\ \mbox{Indonesia} & 25.7 & 19.1 & 0.64 & 0.801 & 0.540 & 0 \\ \mbox{Malaysia} & 60.6 & 35.7 & 1.42 & 0.402 & 0.250 & 0 \\ \mbox{Malaysia} & 60.6 & 35.7 & 1.42 & 0.402 & 0.250 & 0 \\ \mbox{Mexico} & 14.7 & 36.7 & 1.27 & 0.224 & 0.133 & 0 \\ \mbox{Portugal} & 26.3 & 75.7 & 1.18 & 0.223 & 0.185 & 0 \\ \mbox{Disgapore} & 58.1 & 193 & 0.400 & 0 \\ \mbox{Tawan} & 2.40 & 0.425 & 0.228 & 0.040 & 0 \\ \mbox{Tawan} & 2.40 & 0.425 & 0.228 & 0 \\ \mbox{Catemala} & 13.3 & 69.7 & 1.46 & 0.325 & 0.258 & 0 \\ \mbox{Guatemala} & 18.0 & 24.6 & 0.45 & 0.370 & 0.184 & 0 \\ \mbox{Guatemala} & 18.0 & 24.6 & 0.45 & 0.370 & 0.184 & 0 \\ \mbox{Nicaragua} & 23.4 & 11.1 & 0.62 & 0.863 & 0.631 & 0 \\ \mbox{Nicaragua} & 23.4 & 11.1 & 0.62 & 0.863 & 0.631 & 0 \\ \mbox{Parkstan} & 12.7 & 65.7 & 1.06 & 0.354 & 0.226 & 0 \\ \mbox{Parkstan} & 12.7 & 65.7 & 1.06 & 0.354 & 0.226 & 0 \\ \mbox{Parkstan} & 12.7 & 65.7 & 1.06 & 0.354 & 0.266 & 0 \\ \mbox{Parkstan} & 12.7 & 65.7 & 1.06 & 0.354 & 0.266 & 0 \\ \mbox{Parkstan} & 12.7 & 65.7 & 1.06 & 0.354 & 0.266 & 0 \\ \mbox{Parkstan} & 15.9 & 0.24 & 0.711 & 0 & 0 \\ \mbox{South Africa} & 27.4 & 29.2 & 0.14 & 0.073 & 0 \\ \mbox{Uruguay} & 20.6 & 37.8 & 1.83 & 0.295 & 0.201 & 0 \\ \mbox{Additional Countries in sample C:} & - \\ \mbox{Additional 23.1 & 5.0 & 1.20 & 0.473 & 0.380 & 0 \\ \mbox{Austria} & 30.3 & 9.3 & 0.60 & 0.211 & 0.293 & 0 \\ \mbox{Austria} & 30.3 & 9.3 & 0.60 & 0.211 & 0.293 & 0 \\ \mbox{Austria} & 30.3 & 9.3 & 0.60 & 0.211 & 0.293 & 0 \\ \mbox{Austria} & 30.3 & 9.3 & 0.60 & 0.211 & 0.293 & 0 \\ \mbox{Austria} & 5.7 & 2.69 & 0.664 & 0.404 & 0 \\ \mbox{Austria} & 30.3 & 9.3 & 0.60 & 0.211 & 0.295 & 0.201 & 0 \\ \mbox{Austria} & 5.7 & 2.69 &$	Costa Rica	33.4	24.7	1.09	0.067	0.185	0.184
Él Salvador 24.5 32.2 0.45 0.370 0.270 0 Hong Kong, China 109.5 95.4 3.24 0.174 0.135 0 Indonesia 25.7 19.1 0.64 0.801 0.540 0 Korca, Rep. 31.6 90.5 3.02 0.605 0.168 0 Mexico 14.7 36.7 1.27 0.224 0.133 0 Portugal 26.3 75.7 1.18 0.223 0.185 0 Singapore 58.1 19.3 0.400 0 1awan 240 0.425 0.228 0 Thailand 27.2 40.8 0.65 0.370 0.184 0 0 Guatemala 18.0 24.6 0.45 0.370 0.184 0 0 Nicaragua 23.4 11.1 0.62 0.863 0.661 0 0 Panama 39.3 13.3 1.62 0.221 0.184 0 0 Pacaragua 23.4 11.1 0.62 0.863 </td <td>Cyprus</td> <td>47.8</td> <td>53.0</td> <td>2.19</td> <td>0.592</td> <td>0.370</td> <td>0.309</td>	Cyprus	47.8	53.0	2.19	0.592	0.370	0.309
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	El Salvador	24.5	32.2	0.45	0.370	0.270	0.276
	Hong Kong, China	109.5	95.4	3.24	0.174	0.135	0.135
Korea, Rep. 31.6 90.5 3.02 0.605 0.168 0 Malaysia 60.6 35.7 1.42 0.402 0.250 0 Mexico 14.7 36.7 1.27 0.224 0.133 0 Philippines 25.1 29.8 1.40 0.227 0.373 0 Optugal 26.3 75.7 1.18 0.223 0.185 0 Taiwan 240 0.425 0.228 0 0 228 0 Additional Countries in sample B:	Indonesia	25.7	19.1	0.64	0.801	0.540	0.540
Malayia 60.6 35.7 1.42 0.402 0.250 0 Mexico 14.7 36.7 1.27 0.224 0.133 0 Portugal 26.3 75.7 1.18 0.227 0.373 0 Singapore 58.1 1.93 0.040 0 0 0 Taiwan 2.40 0.425 0.228 0 0 0 0 Additional Countries in sample B: C C 0.55 0.258 0 0 China 11.3 69.7 1.46 0.225 0.258 0 0 Kenya 28.1 16.6 0.46 0.478 0.170 0 0 Nicaragua 23.4 11.1 0.62 0.863 0.631 0 0 Panama 39.3 13.3 1.50 0.246 0.223 0 0 Panama 39.3 13.3 1.50 0.246 0.223 0 0 South Africa 27.4 29.2 0.84 0.284 0.511 0	Korea, Rep.	31.6	90.5	3.02	0.605	0.168	0.161
Mexico 14.7 36.7 1.27 0.224 0.133 0 Philippines 25.1 29.8 1.40 0.227 0.373 0 Singapore 58.1 1.93 0.040 0 Taivan 2.40 0.425 0.228 0 Thailand 27.2 40.8 0.65 0.328 0.219 0 Additional Countries in sample B: 0.46 0.45 0.370 0.184 0 Guatemala 18.0 24.6 0.46 0.478 0.170 0 0 Nicaragua 23.4 11.6 0.46 0.478 0.225 0.258 0 Paikistan 12.7 65.7 1.06 0.354 0.266 0 0 Paikistan 12.7 65.7 1.06 0.354 0.266 0 0 Paikistan 12.7 63.4 1.27 0.222 0.345 0 0 Poland 24.5 63.4 1.27 0.202 0.345 0 0 Outad	Malavsia	60.6	35.7	1.42	0.402	0.250	0.254
Philippines 25.1 29.8 1.40 0.227 0.373 0 Portugal 26.3 75.7 1.18 0.223 0.040 0 Taiwan 2.40 0.425 0.228 0 Thailand 27.2 40.8 0.65 0.328 0.219 0 Additional Countries in sample B: C C 0.65 0.328 0.219 0 China 11.3 69.7 1.46 0.225 0.258 0 Guatemala 18.0 24.6 0.45 0.370 0.184 0 Kenya 28.1 16.6 0.45 0.370 0.184 0 Paiama 39.3 13.3 1.62 0.221 0.189 0 Paiama 39.3 13.8 1.50 0.246 0.223 0 Peru 16.3 13.8 1.50 0.246 0.231 0 South Africa 27.4 29.2 0.84 0.511 0 Tarzania 14.8 12.5 0.14 0.073 0 <td>Mexico</td> <td>14.7</td> <td>36.7</td> <td>1.27</td> <td>0.224</td> <td>0.133</td> <td>0.122</td>	Mexico	14.7	36.7	1.27	0.224	0.133	0.122
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Philippines	25.1	29.8	1 40	0.227	0.373	0.373
Normal10.910.90.12.90.1400Taiwan2.400.4250.2280Thailand2.7.240.80.650.3280.2190Additional Countries in sample B: China11.369.71.460.2250.2580Guatemala18.024.60.450.3700.1840Nicaragua23.411.10.620.8630.6310Panama39.313.31.620.2210.1890Panama39.313.31.620.2210.1890Peru16.313.81.500.2460.2230Poland24.563.41.270.2920.3450Ourguay20.637.81.830.2950.2010Austria14.812.50.140.0730Austria15.920.93.130.1980.1270Austria36.085.73.730.2460.2510Austria36.085.73.730.2460.2510Barbados57.160.12.970.2050.2110Denmark33.357.53.190.2000.1060Canada26.856.13.950.2830.2120Denmark33.357.53.190.2000.1060Leador26.42.81.400.2580.1700Jarbados<	Portugal	26.3	29.0 75.7	1.10	0.227	0.185	0.185
Angends1.131.2400.4250.2280Thaiwan27.240.80.650.3280.2190Additional Countries in sample B:China11.369.71.460.2250.2580Guatemala18.024.60.450.3700.1840Kenya28.116.60.460.4780.1700Nicaragua23.411.10.620.8630.6310Pakistan12.765.71.060.3540.2660Panama39.313.31.620.2210.1890Poland24.563.41.270.2920.3450South Africa27.429.20.840.2840.5110Uruguay20.637.81.830.2950.2010Additional Countries in sample C:Argentina8.325.91.380.4660.3290Australia15.920.93.130.1980.1270Barbados57.160.12.970.2050.2110Bolivia23.15.01.200.4730.3800Canada26.856.13.950.2830.2120Berlados57.160.12.970.2050.2110Guatemala15.92.00.4730.3800Guatemala26.856.13.950.2830.2120 <tr< td=""><td>Singanore</td><td>20.5</td><td>58.1</td><td>1.93</td><td>0.225</td><td>0.040</td><td>0.040</td></tr<>	Singanore	20.5	58.1	1.93	0.225	0.040	0.040
Invalid 2.70 0.72 0.20 0.72 Additional Countries in sample B: China 11.3 69.7 1.46 0.225 0.258 0 Guatemala 18.0 24.6 0.45 0.370 0.184 0 Nicaragua 23.4 11.1 0.62 0.863 0.631 0 Pakistan 12.7 65.7 1.06 0.354 0.266 0 Panama 39.3 13.3 1.62 0.221 0.189 0 Peru 16.3 13.8 1.50 0.246 0.223 0 South Africa 27.4 29.2 0.84 0.284 0.511 0 Guatamia 14.8 12.5 0.14 0.073 0 0 Austria 15.9 20.9 3.13 0.198 0.127 0 Austria 36.0 857 3.73 0.246 0.251 0 Chinaal Countries in sample C: Argentina 3.60 85.7 3.73 0.246 0.251 0 Bolivia 2	Taiwan		50.1	2 40	0.425	0.040	0.040
Hallahu 21.2 40.3 0.03 0.223 0.215 0.215 0 Additional Countries in sample B:China11.3 69.7 1.46 0.225 0.258 0 Guatemala18.0 24.6 0.45 0.370 0.184 0 Kenya28.1 16.6 0.46 0.478 0.170 0 Pakistan12.7 65.7 1.06 0.354 0.266 0 Panama39.3 13.3 1.62 0.246 0.223 0 Peru16.3 13.8 1.50 0.246 0.223 0 Poland 24.5 63.4 1.27 0.292 0.345 0 South Africa 27.4 29.2 0.84 0.284 0.511 0 Uruguay 20.6 37.8 1.83 0.295 0.201 0 Additional Countries in sample C:Argentina 8.3 25.9 1.38 0.466 0.329 0 Australia 15.9 20.9 3.13 0.198 0.127 0 Australia 15.9 20.9 3.13 0.198 0.127 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Barbados 57.1 60.1 2.97 0.265 0.212 0.211 Denmark 33.3 57.5 3.19 0.200 0.106 0 Canada 26.8 56.1 3.95 0.283 0.212 <	Theiland	27.2	40.8	2.40	0.328	0.228	0.228
Additional Countries in sample B:China11.369.71.460.2250.2580Guatemala18.024.60.450.3700.1840Kenya28.116.60.460.4780.1700Nicaragua23.411.10.620.8630.6310Pakistan12.765.71.060.3540.2660Panama39.313.31.620.2210.1890Peru16.313.81.500.2460.2230Poland24.563.41.270.2920.3450South Africa27.429.20.840.2840.5110Uruguay20.637.81.830.2950.2010Additional Countries in sample C:Argentina8.325.91.380.4660.3290Australia15.920.93.130.1980.1270Australia35.73.730.2460.2510Barbados57.160.12.970.2050.2110Barbados57.53.190.2000.1060Caudada26.856.13.950.2830.2120Barbados57.53.190.3220.2110Barbados57.53.190.3220.2120Harbados5.753.190.3220.2120India6.962.00.78	Thananu	21.2	40.8	0.05	0.528	0.219	0.219
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Additional Countries in	sample B:					
Guatemala18.024.60.450.3700.1840Kenya28.116.60.460.4780.1700Nicaragua23.411.10.620.8630.6310Pakistan12.765.71.060.3540.2660Panama39.313.31.620.2210.1890Peru16.313.81.500.2460.2230Poland24.563.41.270.2920.3450South Africa27.429.20.840.2840.5110Tanzania14.812.50.140.0730Uruguay20.637.81.830.2950.2010Additional Countries in sample C:Argentina8.325.91.380.4660.3290Austria36.085.73.730.2460.2510Barbados57.160.12.970.2050.2110Bolivia23.15.01.200.4730.3800Canada26.856.13.950.2830.2120Denmark33.357.53.190.2000.1060Guador26.42.81.400.2580.1800Germany22.486.85.190.3220.2120India6.962.00.780.3720.2400India5.554.82.670.3	China	11.3	69.7	1.46	0.225	0.258	0.253
And 2 No 0.10 0.10 0.10 0.10 Nicaragua23.411.10.620.8630.6310Pakistan12.765.71.060.3540.2660Panama39.313.31.620.2210.1890Peru16.313.81.500.2460.2230Poland24.563.41.270.2920.3450South Africa27.429.20.840.2840.5110Tanzania14.812.50.140.0730Uruguay20.637.81.830.2950.2010Additional Countries in sample C:Argentina8.325.91.380.4660.3290Australia15.920.93.130.1980.1270Barbados57.160.12.970.2050.2110Bolivia23.15.01.200.4730.3800Canada26.856.13.950.2830.2120Denmark33.357.53.190.2000.1060Ecuador26.42.81.400.2580.1800Germany22.486.85.190.3220.2120Hungary37.265.41.240.3690.3540India6.962.00.780.3720.2400Nontras30.39.30.600.21	Guatemala	18.0	24.6	0.45	0.370	0.184	0.184
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Kenva	28.1	16.6	0.46	0.478	0.170	0.146
Actingati 2.7 1.1 0.02 0.035 0.035 0.031 0 Panistan 12.7 65.7 1.06 0.354 0.266 0 Panama 39.3 13.3 1.62 0.221 0.189 0 Peru 16.3 13.8 1.50 0.246 0.223 0 Poland 24.5 63.4 1.27 0.292 0.345 0 South Africa 27.4 29.2 0.84 0.284 0.511 0 Tanzania 14.8 12.5 0.14 0.073 0 Uruguay 20.6 37.8 1.83 0.295 0.201 Additional Countries in sample C:Argentina 8.3 25.9 1.38 0.466 0.329 0 Australia 15.9 20.9 3.13 0.198 0.127 0 Austrai 36.0 85.7 3.73 0.246 0.251 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Barbados 57.1 60.1 2.97 0.283 0.212 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Denmark 33.3 57.5 3.19 0.200 0.106 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Honduras 30.3 9.3 0.60 0.211 0.293 0 Italia 6.9 62.0 0	Nicaragua	23.4	11.1	0.10	0.863	0.631	0.631
Antikuli12.702.11.600.2010.1000Panama39.313.31.620.2210.1890Peru16.313.81.500.2460.2230Poland24.563.41.270.2920.3450South Africa27.429.20.840.2840.5110Tanzania14.812.50.140.0730Uruguay20.637.81.830.2950.2010Additional Countries in sample C:Argentina8.325.91.380.4660.3290Austria36.085.73.730.2460.2510Barbados57.160.12.970.2050.2110Bolivia23.15.01.200.4730.3800Canada26.856.13.950.2830.2120Denmark33.357.53.190.2000.1060Ecuador26.42.81.400.2580.1800Germany22.486.85.190.3220.2120Hundars30.39.30.600.2110.2930Ireland52.861.12.290.1850.1700Ireland52.554.82.670.3740.1360Japan11.895.72.690.6640.4040New Zealand28.421.23.03<	Pakistan	12.7	65.7	1.06	0.354	0.051	0.051
Initial 3.5 $1.5.5$ 1.62 0.221 0.163 0.731 Peru16.3 13.8 1.50 0.246 0.223 0 Poland 24.5 63.4 1.27 0.292 0.345 0 South Africa 27.4 29.2 0.84 0.284 0.511 0 Uruguay 20.6 37.8 1.83 0.295 0.201 0 Additional Countries in sample C:Argentina 8.3 25.9 1.38 0.466 0.329 0 Austraia 36.0 85.7 3.73 0.246 0.251 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Honduras 30.3 9.3 0.60 0.211 0.293 0 Hunduras 30.3 9.3 0.60 0.211 0.293 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 India 6.9 62.0 0.78 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 New Zealand 28.4 2	Danama	30.3	13.3	1.60	0.221	0.189	0.180
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Deru	16.3	13.5	1.02	0.221	0.132	0.107
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Poland	24.5	63.4	1.30	0.240	0.225	0.220
Soun Artica 27.4 29.2 0.04 0.24 0.231 0 Jurguay 20.6 37.8 1.83 0.295 0.201 0 Additional Countries in sample C:Argentina 8.3 25.9 1.38 0.466 0.329 0 Australia 15.9 20.9 3.13 0.198 0.127 0 Austria 36.0 85.7 3.73 0.246 0.251 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Denmark 33.3 57.5 3.19 0.200 0.106 0 Ecuador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Iapan 11.8 95.7 2.69 0.664 0.404 0 New Zealand 28.4 21.2 30.3 0.188 0.196 0 New Zealand 28.4 21.2 30.3 0.188 0.196 0 Spain 17.1 $72.$	South Africa	24.3	20.2	0.84	0.292	0.545	0.545
Intrained Intrace 12.5 0.14 0.075 0 Additional Countries in sample C: Argentina8.3 25.9 1.38 0.295 0.201 0 Australia 15.9 20.9 3.13 0.198 0.127 0 Australia 36.0 85.7 3.73 0.246 0.251 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Denmark 33.3 57.5 3.19 0.200 0.106 0 Ecuador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 Spain 17.1 72.4 1.60 0.256 0.207 0.56 Spain 17.1 72.4 1.60 0.256 0.207 0.56 Spain 17.1 72.4 1.60 0.256 </td <td>South Allica</td> <td>27.4</td> <td>29.2</td> <td>0.84</td> <td>0.284</td> <td>0.311</td> <td>0.311</td>	South Allica	27.4	29.2	0.84	0.284	0.311	0.311
Oruguay20.6 37.8 1.83 0.293 0.201 0 Additional Countries in sample C:Argentina 8.3 25.9 1.38 0.466 0.329 0 Austraia 15.9 20.9 3.13 0.198 0.127 0 Austria 36.0 85.7 3.73 0.246 0.251 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Denmark 33.3 57.5 3.19 0.200 0.106 0 Ecuador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Honduras 30.3 9.3 0.660 0.211 0.293 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0.108 Netherlands 52.5 54.8 2.67 0.374 0.136 0.108 Norway 38.6 37.0 2.96 0.237 0.185 0.168 Norway 38.6 3.69 0.162 0.118 0.296 0.207 0.237 Sudan <td>Tanzania Umoroda</td> <td>14.8</td> <td>12.5</td> <td>0.14</td> <td>0.205</td> <td>0.073</td> <td>0.062</td>	Tanzania Umoroda	14.8	12.5	0.14	0.205	0.073	0.062
Additional Countries in sample C:Argentina 8.3 25.9 1.38 0.466 0.329 0 Australia 15.9 20.9 3.13 0.198 0.127 0 Austria 36.0 85.7 3.73 0.246 0.251 0 Barbados 57.1 60.1 2.97 0.205 0.211 0 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Denmark 33.3 57.5 3.19 0.200 0.106 0 Ecuador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Honduras 30.3 9.3 0.60 0.211 0.293 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Ispan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Sudan 8.9 0.9 0.32 0.111 0.296 0.296 Sweden 30.1 <t< td=""><td>Oruguay</td><td>20.0</td><td>57.8</td><td>1.85</td><td>0.293</td><td>0.201</td><td>0.201</td></t<>	Oruguay	20.0	57.8	1.85	0.293	0.201	0.201
Argentina8.325.91.380.4660.3290Australia15.920.93.130.1980.1270Australia36.085.73.730.2460.2510Barbados57.160.12.970.2050.2110Bolivia23.15.01.200.4730.3800Canada26.856.13.950.2830.2120Denmark33.357.53.190.2000.1060Ecuador26.42.81.400.2580.1800Germany22.486.85.190.3220.2120Honduras30.39.30.600.2110.2930Hungary37.265.41.240.3690.3540India6.962.00.780.3720.2400Ireland52.861.12.290.1850.1700Italy21.485.72.100.1800.1080Japan11.895.72.690.6640.4040New Zealand28.421.23.030.1880.1960Newz38.637.02.960.2370.1850Spain17.172.41.600.2560.2070Swiden30.180.83.690.1620.1180Swiden30.180.83.690.1620.11800	Additional Countries in	sample C:					
Australia15.920.93.130.1980.1270Australia36.0 85.7 3.73 0.246 0.251 0Barbados 57.1 60.1 2.97 0.205 0.211 0Bolivia23.1 5.0 1.20 0.473 0.380 0Canada 26.8 56.1 3.95 0.283 0.212 0Denmark33.3 57.5 3.19 0.200 0.106 0Ecuador 26.4 2.8 1.40 0.258 0.180 0Germany 22.4 86.8 5.19 0.322 0.212 0Honduras 30.3 9.3 0.60 0.211 0.293 0Hungary 37.2 65.4 1.24 0.369 0.354 0Ireland 52.8 61.1 2.29 0.185 0.170 0Italy 21.4 85.7 2.10 0.180 0.108 0Japan 11.8 95.7 2.69 0.664 0.404 0New Zealand 28.4 21.2 3.03 0.188 0.196 0Norway 38.6 37.0 2.96 0.237 0.185 0Syain 17.1 72.4 1.60 0.256 0.207 0Swiden 30.1 80.8 3.69 0.162 0.118 0Swiden 34.9 92.2 4.16 0.333 0.312 0Swiden 30.1 8	Argentina	83	25.9	1 38	0 466	0 329	0 329
Austria36.085.73.730.2460.2510Barbados57.160.12.970.2050.2110Bolivia23.15.01.200.4730.3800Canada26.856.13.950.2830.2120Denmark33.357.53.190.2000.1060Ecuador26.42.81.400.2580.1800Germany22.486.85.190.3220.2120Honduras30.39.30.600.2110.2930Hungary37.265.41.240.3690.3540India6.962.00.780.3720.2400Ireland52.861.12.290.1850.1700Italy21.485.72.100.1800.1080Japan11.895.72.690.6640.4040New Zealand28.421.23.030.1880.1960Norway38.637.02.960.2370.1850Spain17.172.41.600.2560.2070Switzerland34.992.24.160.3430.1990Switzerland34.992.24.160.3430.1990Trinida and Tobago42.217.91.980.1680.3410United Kingdom26.174.82.160.2670.188	Australia	15.9	20.9	3 13	0.198	0.127	0.145
Audula50.060.15.060.16	Austria	36.0	85.7	3 73	0.190	0.251	0.115
Balados 37.1 30.1 2.77 0.203 0.211 0.203 Bolivia 23.1 5.0 1.20 0.473 0.380 0 Canada 26.8 56.1 3.95 0.283 0.212 0 Denmark 33.3 57.5 3.19 0.200 0.106 0 Ecuador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Honduras 30.3 9.3 0.60 0.211 0.293 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Spain 17.1 72.4 1.60 0.256 0.207 0 Swidzen 30.1 80.8 3.69 0.162 0.118 0 Swidzen 30.1 80.8 3.69 0.162 0.118 0 Unida and Tobago 42.2 17.9 1.98 0.168 0.341 <td>Barbados</td> <td>57.1</td> <td>60.1</td> <td>2 97</td> <td>0.240</td> <td>0.231</td> <td>0.200</td>	Barbados	57.1	60.1	2 97	0.240	0.231	0.200
Bonda25.15.01.20 0.473 0.380 0 Canada26.856.13.95 0.283 0.212 0 Denmark33.357.5 3.19 0.200 0.106 0 Ecuador26.42.8 1.40 0.258 0.180 0 Germany22.486.8 5.19 0.322 0.212 0 Honduras30.3 9.3 0.60 0.211 0.293 0 Hungary37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland52.8 61.1 2.29 0.185 0.170 0 Italy21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Spain 17.1 72.4 1.60 0.256 0.207 0 Sudan 8.9 0.9 0.32 0.111 0.296 0 Switzerland 34.9 92.2 4.16 0.343 0.199 0 Trinidad and Tobago 42.2 17.9 1.98 0.168 0.341 0 United Kingdom 26.1 74.8 2.16 0.267 0.188 0 <td>Bolizia</td> <td>23.1</td> <td>5.0</td> <td>1.20</td> <td>0.203</td> <td>0.211</td> <td>0.211</td>	Bolizia	23.1	5.0	1.20	0.203	0.211	0.211
Canada20.6 30.1 3.75 0.285 0.212 0 Denmark 33.3 57.5 3.19 0.200 0.106 0 Ecuador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Honduras 30.3 9.3 0.60 0.211 0.293 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0.50 Spain 17.1 72.4 1.60 0.256 0.207 0.50 Swiden 30.1 80.8 3.69 0.162 0.118 0.50 Swiden 34.9 92.2 4.16 0.343 0.199 0.50 Swiden 30.1 80.8 3.69 0.168 0.341 0.199 0.102 United Kingdom 26.1 74.8 2.16	Canada	25.1	56.1	2.05	0.473	0.380	0.380
Definitian 35.3 37.3 3.19 0.200 0.100 0 Ecuador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Honduras 30.3 9.3 0.60 0.211 0.293 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Spain 17.1 72.4 1.60 0.256 0.207 0 Sweden 30.1 80.8 3.69 0.162 0.118 0 Switzerland 34.9 92.2 4.16 0.343 0.199 0 United Kingdom 26.1 74.8 2.16 0.267 0.188 0	Danmarlı	20.8	57.5	3.93	0.285	0.212	0.214
Heridador 26.4 2.8 1.40 0.258 0.180 0 Germany 22.4 86.8 5.19 0.322 0.212 0 Honduras 30.3 9.3 0.60 0.211 0.293 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Spain 17.1 72.4 1.60 0.256 0.207 0 Sudan 8.9 0.9 0.32 0.111 0.296 0 Sweden 30.1 80.8 3.69 0.162 0.118 0 Switzerland 34.9 92.2 4.16 0.343 0.199 0 Uganda 10.9 1.4 0.28 0.331 0.312 0	Deninark E sus dan	33.3	37.3	5.19	0.200	0.100	0.093
Germany 22.4 86.8 5.19 0.322 0.212 0.212 0.211 Honduras 30.3 9.3 0.60 0.211 0.293 0.212 0.211 Hungary 37.2 65.4 1.24 0.369 0.354 0.211 India 6.9 62.0 0.78 0.372 0.240 0.211 Ireland 52.8 61.1 2.29 0.185 0.170 0.211 Italy 21.4 85.7 2.10 0.180 0.108 0.211 Japan 11.8 95.7 2.69 0.664 0.404 0.404 Netherlands 52.5 54.8 2.67 0.374 0.136 0.211 New Zealand 28.4 21.2 3.03 0.188 0.196 0.211 Norway 38.6 37.0 2.96 0.237 0.185 0.207 Spain 17.1 72.4 1.60 0.256 0.207 0.207 Sweden 30.1 80.8 3.69 0.162 0.118 0.296 Switzerland 34.9 92.2 4.16 0.343 0.199 0.296 Uganda 10.9 1.4 0.28 0.331 0.312 0.312	Ecuador	20.4	2.8	1.40	0.258	0.180	0.180
Honduras 30.3 9.3 0.60 0.211 0.293 0 Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0.50 Spain 17.1 72.4 1.60 0.256 0.207 0.50 Sudan 8.9 0.9 0.322 0.111 0.296 0.237 0.185 Sweden 30.1 80.8 3.69 0.162 0.118 0.526 Switzerland 34.9 92.2 4.16 0.343 0.199 0.526 Uganda 10.9 1.4 0.28 0.331 0.312 0.312	Germany	22.4	86.8	5.19	0.322	0.212	0.221
Hungary 37.2 65.4 1.24 0.369 0.354 0 India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0.5 Spain 17.1 72.4 1.60 0.256 0.207 0.5 Sudan 8.9 0.9 0.32 0.111 0.296 0.237 0.185 Sweden 30.1 80.8 3.69 0.162 0.118 0.5 Switzerland 34.9 92.2 4.16 0.343 0.199 0.5 Uganda 10.9 1.4 0.28 0.331 0.312 0.512	Honduras	30.3	9.3	0.60	0.211	0.293	0.296
India 6.9 62.0 0.78 0.372 0.240 0 Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Spain 17.1 72.4 1.60 0.256 0.207 0.5 Sudan 8.9 0.9 0.32 0.111 0.296 0.526 Sweden 30.1 80.8 3.69 0.162 0.118 0.5 Switzerland 34.9 92.2 4.16 0.343 0.199 0.5 Uganda 10.9 1.4 0.28 0.331 0.312 0.512	Hungary	37.2	65.4	1.24	0.369	0.354	0.354
Ireland 52.8 61.1 2.29 0.185 0.170 0 Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Spain 17.1 72.4 1.60 0.256 0.207 0.5 Sudan 8.9 0.9 0.32 0.111 0.296 0.237 0.185 Sweden 30.1 80.8 3.69 0.162 0.118 0.5 Switzerland 34.9 92.2 4.16 0.343 0.199 0.5 Uganda 10.9 1.4 0.28 0.331 0.312 0.512 United Kingdom 26.1 74.8 2.16 0.267 0.188 0.56	India	6.9	62.0	0.78	0.372	0.240	0.259
Italy 21.4 85.7 2.10 0.180 0.108 0 Japan 11.8 95.7 2.69 0.664 0.404 0 Netherlands 52.5 54.8 2.67 0.374 0.136 0 New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Spain 17.1 72.4 1.60 0.256 0.207 0 Sudan 8.9 0.9 0.32 0.111 0.296 0.237 Sweden 30.1 80.8 3.69 0.162 0.118 0.9 Switzerland 34.9 92.2 4.16 0.343 0.199 0.118 Uganda 10.9 1.4 0.28 0.331 0.312 0.118	Ireland	52.8	61.1	2.29	0.185	0.170	0.161
Japan11.895.72.690.6640.4040Netherlands52.554.82.670.3740.1360New Zealand28.421.23.030.1880.1960Norway38.637.02.960.2370.1850Spain17.172.41.600.2560.2070Sudan8.90.90.320.1110.2960.Sweden30.180.83.690.1620.1180.Switzerland34.992.24.160.3430.1990.Trinidad and Tobago42.217.91.980.1680.3410.Uganda10.91.40.280.3310.3120.	Italy	21.4	85.7	2.10	0.180	0.108	0.091
Netherlands52.554.82.670.3740.1360New Zealand28.421.23.030.1880.1960Norway38.637.02.960.2370.1850Spain17.172.41.600.2560.2070Sudan8.90.90.320.1110.2960Sweden30.180.83.690.1620.1180Switzerland34.992.24.160.3430.1990Trinidad and Tobago42.217.91.980.1680.3410Uganda10.91.40.280.3310.3120United Kingdom26.174.82.160.2670.1880	Japan	11.8	95.7	2.69	0.664	0.404	0.395
New Zealand 28.4 21.2 3.03 0.188 0.196 0 Norway 38.6 37.0 2.96 0.237 0.185 0 Spain 17.1 72.4 1.60 0.256 0.207 0 Sudan 8.9 0.9 0.32 0.111 0.296 0 Sweden 30.1 80.8 3.69 0.162 0.118 0 Switzerland 34.9 92.2 4.16 0.343 0.199 0 Trinidad and Tobago 42.2 17.9 1.98 0.168 0.341 0 Uganda 10.9 1.4 0.28 0.331 0.312 0	Netherlands	52.5	54.8	2.67	0.374	0.136	0.136
Norway38.637.02.960.2370.1850Spain17.172.41.600.2560.2070Sudan8.90.90.320.1110.2960Sweden30.180.83.690.1620.1180Switzerland34.992.24.160.3430.1990Trinidad and Tobago42.217.91.980.1680.3410Uganda10.91.40.280.3310.3120United Kingdom26.174.82.160.2670.1880	New Zealand	28.4	21.2	3.03	0.188	0.196	0.196
Spain17.172.41.600.2560.2070Sudan8.90.90.320.1110.2960Sweden30.180.83.690.1620.1180Switzerland34.992.24.160.3430.1990Trinidad and Tobago42.217.91.980.1680.3410Uganda10.91.40.280.3310.3120United Kingdom26.174.82.160.2670.1880	Norway	38.6	37.0	2.96	0.237	0.185	0.203
Sudan8.90.90.320.1110.2960Sweden30.180.83.690.1620.1180Switzerland34.992.24.160.3430.1990Trinidad and Tobago42.217.91.980.1680.3410.Uganda10.91.40.280.3310.3120.United Kingdom26.174.82.160.2670.1880.	Spain	17.1	72.4	1.60	0.256	0.207	0.184
Sweden30.180.83.690.1620.1180Switzerland34.992.24.160.3430.1990Trinidad and Tobago42.217.91.980.1680.3410Uganda10.91.40.280.3310.3120United Kingdom26.174.82.160.2670.1880	Sudan	8.9	0.9	0.32	0.111	0.296	0.296
Switzerland34.992.24.160.3430.1990Trinidad and Tobago42.217.91.980.1680.3410Uganda10.91.40.280.3310.3120United Kingdom26.174.82.160.2670.1880	Sweden	30.1	80.8	3.69	0.162	0.118	0.122
Trinidad and Tobago42.217.91.980.1680.3410Uganda10.91.40.280.3310.3120.United Kingdom26.174.82.160.2670.1880.	Switzerland	34.9	92.2	4.16	0.343	0.199	0.231
Uganda 10.9 1.4 0.28 0.331 0.312 0 United Kingdom 26.1 74.8 2.16 0.267 0.188 0	Trinidad and Tobago	42.2	17.9	1.98	0.168	0.341	0.341
United Kingdom 26.1 74.8 2.16 0.267 0.188 0.	Uganda	10.9	14	0.28	0 331	0.312	0 296
	United Kingdom	26.1	74.8	2.16	0.267	0.188	0.179
United States 8.9 60.0 4.40 0.323 0.182 0	United States	<u>20.1</u> 80	60.0	<u>4</u> 49	0 323	0.187	0.170
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Venezuela DD	26.2	60	T. 77	0.323	0.102	0.1/3

 Table 3: Gender wage gap and economic growth (cross section)

Sample A	(1)	(2)	(3)	(4)
d log K	0.568***	0.514***	0.565***	0.567***
-	(0.103)	(0.141)	(0.106)	(0.120)
Human capital	0.006	0.006	0.006	0.006
-	(0.003)	(0.005)	(0.004)	(0.004)
Raw gap		0.016		
• •		(0.015)		
Unexplained gap			0.009	
			(0.026)	
Meta residual				0.002
				(0.031)
Constant	0.006	0.002	0.003	0.005
	(0.010)	(0.009)	(0.010)	(0.011)
Observations	16	15	16	16
R-squared	0.783	0.826	0.785	0.783

Sample B	(1)	(2)	(3)	(4)
d log K	0.503***	0.544***	0.518***	0.527***
-	(0.124)	(0.156)	(0.133)	(0.135)
Human capital	0.005	0.004	0.002	0.001
	(0.005)	(0.005)	(0.005)	(0.005)
Raw gap		-0.009		
		(0.032)		
Unexplained gap			-0.040	
			(0.032)	
Meta residual				-0.048
				(0.032)
Constant	0.008	0.008	0.021**	0.024**
	(0.008)	(0.009)	(0.009)	(0.009)
Observations	27	25	27	27
R-squared	0.554	0.571	0.598	0.609
Sample C	(1)	(2)	(3)	(4)
d log K	0.523***	0.538***	0.523***	0.526***
	(0.072)	(0.088)	(0.074)	(0.075)
Human capital	0.000	0.000	-0.001	-0.001
	(0.002)	(0.001)	(0.001)	(0.001)
Raw gap		-0.015		
		(0.023)		
Unexplained gap			-0.038	
			(0.025)	
Meta residual				-0.045*
				(0.025)
Constant	0.013**	0.016**	0.025***	0.027***
	(0.005)	(0.007)	(0.007)	(0.007)
Observations	54	52	54	54
R-squared	0.595	0.607	0.633	0.644

Robust t-statistics in parentheses *** p<0.01, ** p<0.05, * p<0.1

Sample A	(1)	(2)	(3)	(4)
d log K	0.262***	0.249***	0.256***	0.263***
•	(4.702)	(4.481)	(4.521)	(4.361)
Human capital	-0.007	-0.007	-0.006	-0.007
	(-1.131)	(-1.196)	(-0.978)	(-1.098)
Raw gap		-0.002		
		(-0.0606)		
Unexplained gap			-0.035	
			(-0.887)	
Meta residual				-0.003
				(-0.0335)
Constant	0.053***	0.056**	0.060***	0.053**
	(4.242)	(2.894)	(4.001)	(2.120)
Observations	35	32	35	35
R-squared	0.594	0.637	0.613	0.594
Sample B	(1)	(2)	(3)	(4)
d log K	0.260***	0.253***	0.261***	0.266***
	(5.584)	(5.094)	(5.642)	(5.404)
Human capital	-0.006	-0.007	-0.004	-0.006
D	(-1.270)	(-1.143)	(-0.838)	(-1.259)
Raw gap		-0.018		
TT 1 ' 1		(-0.622)	0.025	
Unexplained gap			-0.025	
			(-1.120)	0.024
Meta residual				-0.034
	0.04(***	0 05 1444	0.040***	(-0.465)
Constant	0.046***	0.054***	0.049^{***}	0.054**
Olympic times	(5.045)	(3.282)	(5.179)	(2.761)
Observations	51	40	51	51
K-squared	0.007	0.019	0.028	0.011
Sample C	(1)	(2)	(3)	(4)
d log K	0.277***	0.269***	0.277***	0.279***
	(9.025)	(8.491)	(9.040)	(8.885)
Human capital	-0.002	-0.002	-0.002	-0.002
	(-0.808)	(-0.581)	(-0.633)	(-0.780)
Raw gap	(-0.003	((
		(-0.225)		
Unexplained gap		(-0.013	
			(-1.044)	
Meta residual				-0.010
				(-0.369)
Constant	0.031***	0.030***	0.033***	0.033***
	(4.745)	(3.403)	(4.839)	(3.756)
Observations	110	104	110	110
R-squared	0.605	0.602	0.613	0.606

 Table 4: Gender wage gap and economic growth (panel estimations using five-year periods)

Robust t-statistics in parentheses *** p<0.01, ** p<0.05, * p<0.1

Appendix

Table 5: Gender wage gap and economic growth – extended model (cross section)

Sample A	(1)	(2)	(3)	(4)
d log K	0.456	0.438*	0.584*	0.535
	(1.463)	(1.982)	(1.902)	(1.698)
Human capital	0.001	0.000	0.000	0.001
log(gdn)	(0.241) 0.012	(0.0474)	(0.0271)	(0.119)
log(gup)	(-0.563)	(-0.453)	(-0.0552)	(-0.184)
Life expectancy	0.001	0.001	0.001	0.001
1 · · · · · · · · · · · · · · · · · · ·	(1.186)	(1.295)	(1.019)	(1.163)
Openness	0.009	0.006	0.007	0.008
	(1.696)	(0.666)	(1.344)	(1.383)
Raw gap		0.029		
TT 1		(1.394)	0.024	
Unexplained gap			(1.192)	
Meta residual			(1.192)	0.030
Wieta Testadai				(0.920)
Observations	16	15	16	16
R-squared	0.842	0.869	0.865	0.855
-				
Sample B	(1)	(2)	(3)	(4)
d log K	0.307**	0.254*	0.311**	0.322**
C	(2.182)	(1.737)	(2.101)	(2.175)
Human capital	0.009	0.011	0.009	0.008
	(1.462)	(1.515)	(1.421)	(1.362)
log(gdp)	-0.020***	-0.024***	-0.020***	-0.019***
T : C	(-3.440)	(-4.366)	(-4.117)	(-4.147)
Life expectancy	(1.044)	0.001	(1.072)	0.001
Openness	0.010*	0.004	0.010*	0.009*
openness	(2.044)	(0.377)	(1.993)	(1.918)
Raw gap	(2.011)	0.001	(1.570)	(1.910)
		(0.0284)		
Unexplained gap			-0.002	
			(-0.0795)	
Meta residual				-0.008
Observations	27	25	27	(-0.278)
Doservations Requered	27	25 0.727	27	0.728
K-squared	0.727	0.737	0.727	0.728
Seconda C	(1)		(2)	
d log K	0.312***	(2)	(3)	(4)
u log it	(3.899)	(3.594)	(4.076)	(4.252)
Human capital	0.005**	0.006***	0.005***	0.005***
1	(2.578)	(2.841)	(2.817)	(2.750)
log(gdp)	-0.020***	-0.023***	-0.019***	-0.018***
	(-4.059)	(-4.964)	(-4.651)	(-4.635)
Life expectancy	0.001**	0.001**	0.001**	0.001**
0	(2.205)	(2.624)	(2.251)	(2.124)
Openness	(2,220)	(0.518)	0.008 * *	0.008 * *
Raw gan	(2.220)	0.000	(2.139)	(2.080)
Raw gap		(0.0259)		
Unexplained gap		(0.020))	-0.007	
1 O-T			(-0.371)	
Meta residual			· /	-0.015
				(-0.717)
Observations	54	52	54	54
R-squared	0.748	0.753	0.749	0.752

Robust t-statistics in parentheses, *** p<0.01, ** p<0.05, * p<0.1

Sample A	(1)	(2)	(3)	(4)
d log K	0.266***	0.255***	0.261***	0.273***
-	(4.808)	(4.623)	(4.611)	(4.671)
Human capital	-0.003	-0.001	-0.004	-0.003
	(-0.171)	(-0.0831)	(-0.209)	(-0.180)
log(gdp)	-0.018	-0.012	-0.015	-0.019
	(-0.700)	(-0.439)	(-0.556)	(-0.732)
Life expectancy	0.003	0.001	0.003	0.003
× 2	(1.560)	(0.646)	(1.386)	(1.609)
Openness	-0.025*	-0.024	-0.025	-0.026
	(-1.846)	(-1.430)	(-1.673)	(-1.631)
Raw gap		0.006	. ,	. ,
01		(0.119)		
Unexplained gap			-0.021	
			(-0.800)	
Meta residual			. ,	-0.045
				(-0.508)
Observations	35	32	35	35
R-squared	0.701	0.708	0.707	0.706

Table 6: Gender	wage gap and econor	nic growth – extend	ded model (pane)	l estimations using	g five-year
periods)					

Sample B	(1)	(2)	(3)	(4)
d log K	0.246***	0.251***	0.250***	0.255***
-	(5.445)	(4.727)	(5.641)	(5.026)
Human capital	-0.008	-0.000	-0.004	-0.008
	(-0.661)	(-0.0183)	(-0.357)	(-0.685)
log(gdp)	-0.007	-0.009	-0.007	-0.007
	(-0.313)	(-0.341)	(-0.358)	(-0.304)
Life expectancy	0.002	0.001	0.002	0.002
	(1.296)	(0.348)	(1.181)	(1.294)
Openness	-0.020	-0.021	-0.022	-0.020
	(-1.277)	(-1.047)	(-1.337)	(-1.118)
Raw gap		-0.015		
		(-0.344)		
Unexplained gap			-0.027**	
			(-2.216)	
Meta residual				-0.051
				(-0.631)
Observations	51	46	51	51
R-squared	0.673	0.673	0.698	0.681

Sample C	(1)	(2)	(3)	(4)
d log K	0.266***	0.263***	0.267***	0.268***
	(9.232)	(8.284)	(9.188)	(8.822)
Human capital	0.000	0.001	0.000	0.000
	(0.107)	(0.435)	(0.0565)	(0.0957)
log(gdp)	-0.016	-0.013	-0.015	-0.016
	(-1.221)	(-0.944)	(-1.088)	(-1.193)
Life expectancy	0.001	0.001	0.001	0.001
	(1.184)	(0.781)	(1.241)	(1.188)
Openness	-0.016	-0.016	-0.017	-0.016
	(-1.118)	(-0.974)	(-1.150)	(-1.081)
Raw gap		-0.002		
		(-0.136)		
Unexplained gap			-0.013	
			(-1.339)	
Meta residual				-0.015
				(-0.529)
Observations	110	104	110	110
R-squared	0.651	0.641	0.658	0.652

Robust t-statistics in parentheses, *** p<0.01, ** p<0.05, * p<0.1