

Summary Report (2015, English)

1. Introduction

Hello! This is “What Percent Male Are You?” by Mike. This project is an action to ask how much differently we are paid by sex and find out a rough figure of the question. Basically, it is an application of the concept of the widely-known Gini Coefficient which indicates a nation’s degree of inequality of income dispersion. It also collected GNI (Gross National Income) by sex for further estimation and GDP (Gross Domestic Production) per capita for reference.

In advance, I would like to state its limits. Above all, the estimation is not 100% accurate. Since it is not possible to use world-wide income share data measured in a single method, it uses one of widely-know estimation methods, which will be explained later. That is, it cannot be said that the estimated models are real ones, and the statistical confidence cannot be provided.

Finally, I want to say that it is also limited in dividing groups. It only divides people into female and male, mainly because I cannot find data divided differently, and assumed that the binary division is enough to say that world-wide income inequality in sexes.

1.A. Data Sources

Totally, four types of data are collected: Gini Coefficient, GNI per capita, population and GDP per Capita. GNI per capita and population are collected in three groups: female, male, and both sexes. For reference, GNI is re-calculated from GNI per capita and population. The population for both sexes is sum of female and male population. Data used are mainly collected from Human Development Report of UNDP.

Specifically,

- Gini Coefficient
 - UNDP (Income Gini Coefficient, 2013)
<http://hdr.undp.org/en/content/income-gini-coefficient>

- OECD (Income Distribution Database, 2009-2014)
<http://www.oecd.org/social/income-distribution-database.htm>
 - * Used when the value is not available in UNDP
- GNI per capita
 - UNDP (Estimated GNI per capita (PPP), female (Constant 2011 PPP\$), 2013)
<http://hdr.undp.org/en/content/estimated-gni-capita-ppp-female-constant-2011-ppp>
 - UNDP (Estimated GNI per capita (PPP), male (Constant 2011 PPP\$), 2013)
<http://hdr.undp.org/en/content/estimated-gni-capita-ppp-male-constant-2011-ppp>
 - UNDP (GNI per capita in PPP terms (constant 2011 PPP\$), 2013)
<http://hdr.undp.org/en/content/gni-capita-ppp-terms-constant-2011-ppp>
- Population (not directly used)
 - UNDP (Population, female (thousands), 2013)
<http://hdr.undp.org/en/content/population-female-thousands>
 - UNDP (Population, male (thousands), 2013)
<http://hdr.undp.org/en/content/population-male-thousands>
- GDP per capita (reference data)
 - UNDP (GDP per capita (2011 PPP\$), 2012)
<http://hdr.undp.org/en/content/gdp-per-capita-2011-ppp>

2. Data Tables

2.1. GINI Coefficient, GDP per Capita (Currency: 2011 Constant PPP\$)

Country	Gini Coefficient	Year Valid	Source	GDP per Capita, 2012	Source
Afghanistan	0.278	2013	UNDP	1,892	UNDP
Albania	0.345	2013	UNDP	9,243	UNDP
Angola	0.427	2013	UNDP	7,346	UNDP
Argentina	0.445	2013	UNDP	14,725	UN Data
Armenia	0.313	2013	UNDP	7,291	UNDP
Australia	0.330	2011	OECD	42,278	UNDP
Austria	0.292	2013	UNDP	43,139	UNDP
Azerbaijan	0.337	2013	UNDP	15,888	UNDP
Bangladesh	0.321	2013	UNDP	2,364	UNDP
Belarus	0.265	2013	UNDP	16,868	UNDP
Belgium	0.330	2013	UNDP	39,498	UNDP
Belize	0.531	2013	UNDP	8,438	UNDP
Benin	0.386	2013	UNDP	1,687	UNDP
Bhutan	0.381	2013	UNDP	7,490	UNDP
Bolivia	0.563	2013	UNDP	5,650	UNDP
Bosnia and Herzegovina	0.362	2013	UNDP	9,184	UNDP
Brazil	0.547	2013	UNDP	14,301	UNDP
Bulgaria	0.282	2013	UNDP	15,738	UNDP
Burkina Faso	0.398	2013	UNDP	1,528	UNDP
Burundi	0.333	2013	UNDP	737	UNDP
Cambodia	0.360	2013	UNDP	2,789	UNDP
Cameroon	0.389	2013	UNDP	2,551	UNDP
Canada	0.326	2013	UNDP	40,588	UNDP
Cape Verde	0.505	2013	UNDP	6,311	UNDP
Central African Rep.	0.563	2013	UNDP	964	UNDP
Chad	0.398	2013	UNDP	2,003	UNDP
Chile	0.521	2013	UNDP	21,099	UNDP
China	0.421	2013	UNDP	10,771	UNDP
Colombia	0.559	2013	UNDP	11,687	UNDP
Comoros	0.643	2013	UNDP	1,493	UNDP
Congo	0.473	2013	UNDP	5,631	UNDP
Costa Rica	0.507	2013	UNDP	13,091	UNDP
Côte d'Ivoire	0.415	2013	UNDP	2,747	UNDP
Croatia	0.337	2013	UNDP	19,946	UNDP
Czech Rep.	0.260	2011	OECD	26,733	UNDP
Denmark	0.250	2012	OECD	41,524	UNDP
Djibouti	0.400	2013	UNDP	1,575	UN Data
Dominican Rep.	0.472	2013	UNDP	11,016	UNDP
Ecuador	0.493	2013	UNDP	9,900	UNDP
Egypt	0.308	2013	UNDP	10,685	UNDP
El Salvador	0.483	2013	UNDP	7,445	UNDP
Estonia	0.360	2013	UNDP	24,195	UNDP
Ethiopia	0.336	2013	UNDP	1,218	UNDP
Fiji	0.428	2013	UNDP	7,552	UNDP
Finland	0.260	2013	OECD	38,104	UNDP
France	0.310	2012	OECD	36,074	UNDP
Gabon	0.415	2013	UNDP	17,997	UNDP
Gambia	0.473	2013	UNDP	1,565	UNDP
Georgia	0.421	2013	UNDP	6,691	UNDP
Germany	0.283	2013	UNDP	41,966	UNDP
Ghana	0.428	2013	UNDP	3,638	UNDP
Greece	0.343	2013	UNDP	25,391	UNDP
Guatemala	0.559	2013	UNDP	6,990	UNDP
Guinea	0.394	2013	UNDP	1,216	UNDP
Guinea-Bissau	0.355	2013	UNDP	1,164	UNDP
Haiti	0.592	2013	UNDP	1,575	UNDP
Honduras	0.570	2013	UNDP	4,423	UNDP
Hungary	0.290	2014	OECD	22,146	UNDP

Country	Gini Coefficient	Year Valid	Source	GDP per Capita, 2012	Source
Iceland	0.260	2012	OECD	38,553	UNDP
India	0.339	2013	UNDP	5,050	UNDP
Indonesia	0.381	2013	UNDP	8,856	UNDP
Iran	0.383	2013	UNDP	15,461	UNDP
Iraq	0.309	2013	UNDP	14,527	UNDP
Ireland	0.343	2013	UNDP	42,919	UNDP
Israel	0.392	2013	UNDP	30,600	UNDP
Italy	0.360	2013	UNDP	33,668	UNDP
Jamaica	0.455	2013	UNDP	8,421	UNDP
Japan	0.340	2009	OECD	35,006	UNDP
Jordan	0.354	2013	UNDP	11,340	UNDP
Kazakhstan	0.290	2013	UNDP	21,506	UNDP
Kenya	0.477	2013	UNDP	2,109	UNDP
Korea, Rep.	0.300	2013	OECD	29,495	UNDP
Kyrgyzstan	0.334	2013	UNDP	2,847	UNDP
Lao PDR	0.367	2013	UNDP	4,388	UNDP
Latvia	0.348	2013	UNDP	21,229	UNDP
Lesotho	0.525	2013	UNDP	2,368	UNDP
Liberia	0.382	2013	UNDP	782	UNDP
Lithuania	0.376	2013	UNDP	23,554	UNDP
Luxembourg	0.308	2013	UNDP	86,587	UNDP
Macedonia, FYR	0.436	2013	UNDP	11,708	UNDP
Madagascar	0.441	2013	UNDP	1,378	UNDP
Malawi	0.439	2013	UNDP	739	UNDP
Malaysia	0.462	2013	UNDP	21,897	UNDP
Maldives	0.374	2013	UNDP	11,270	UNDP
Mali	0.330	2013	UNDP	1,607	UNDP
Mauritania	0.405	2013	UNDP	2,938	UNDP
Mexico	0.472	2013	UNDP	16,144	UNDP
Moldova, Rep.	0.330	2013	UNDP	4,146	UNDP
Mongolia	0.365	2013	UNDP	8,288	UNDP
Morocco	0.409	2013	UNDP	6,878	UNDP
Mozambique	0.457	2013	UNDP	971	UNDP
Namibia	0.639	2013	UNDP	9,136	UNDP
Nepal	0.328	2013	UNDP	2,131	UNDP
Netherlands	0.280	2013	OECD	42,453	UNDP
New Zealand	0.330	2012	OECD	32,360	UNDP
Nicaragua	0.405	2013	UNDP	4,254	UNDP
Niger	0.346	2013	UNDP	884	UNDP
Nigeria	0.488	2013	UNDP	5,440	UNDP
Norway	0.258	2013	UNDP	62,858	UNDP
Pakistan	0.300	2013	UNDP	4,360	UNDP
Palestine, State of	0.355	2013	UNDP	-	UNDP
Panama	0.519	2013	UNDP	16,655	UNDP
Paraguay	0.524	2013	UNDP	7,215	UNDP
Peru	0.481	2013	UNDP	11,603	UNDP
Philippines	0.430	2013	UNDP	6,005	UNDP
Poland	0.327	2013	UNDP	22,143	UNDP
Portugal	0.340	2012	OECD	25,096	UNDP
Qatar	0.411	2013	UNDP	133,713	UNDP
Romania	0.274	2013	UNDP	17,234	UNDP
Russian Federation	0.401	2013	UNDP	23,184	UNDP
Rwanda	0.508	2013	UNDP	1,379	UNDP
Sao Tome and Principe	0.508	2013	UNDP	2,837	UNDP
Senegal	0.403	2013	UNDP	2,174	UNDP
Sierra Leone	0.354	2013	UNDP	1,586	UNDP
Slovakia	0.260	2013	UNDP	25,537	UNDP
Slovenia	0.312	2013	UNDP	27,394	UNDP
South Africa	0.631	2013	UNDP	11,989	UNDP
Spain	0.347	2013	UNDP	31,198	UNDP
Sri Lanka	0.364	2013	UNDP	8,862	UNDP

Country	Gini Coefficient	Year Valid	Source	GDP per Capita, 2012	Source
Sudan	0.353	2013	UNDP	3,370	UNDP
Suriname	0.529	2013	UNDP	15,174	UNDP
Swaziland	0.515	2013	UNDP	5,912	UNDP
Sweden	0.250	2013	UNDP	41,840	UNDP
Switzerland	0.337	2013	UNDP	51,293	UNDP
Syrian Arab Republic	0.358	2013	UNDP	1,896	UN Data
Tajikistan	0.308	2013	UNDP	2,320	UNDP
Tanzania, UR	0.376	2013	UNDP	1,654	UNDP
Thailand	0.394	2013	UNDP	13,586	UNDP
Togo	0.393	2013	UNDP	1,286	UNDP
Tunisia	0.361	2013	UNDP	10,612	UNDP
Turkey	0.400	2013	UNDP	18,167	UNDP
Uganda	0.443	2013	UNDP	1,334	UNDP
Ukraine	0.256	2013	UNDP	8,332	UNDP
United Kingdom	0.360	2013	UNDP	34,694	UNDP
United States	0.400	2013	OECD	50,859	UNDP
Uruguay	0.453	2013	UNDP	17,966	UNDP
Uzbekistan	0.367	2013	UNDP	4,705	UNDP
Venezuela, BR	0.448	2013	UNDP	17,642	UNDP
Viet Nam	0.356	2013	UNDP	4,912	UNDP
Yemen	0.377	2013	UNDP	3,996	UNDP
Zambia	0.575	2013	UNDP	2,990	UNDP
Average	0.395			15,280	
Maximum	0.643			133,713	
Minimum	0.250			737	

2.2. GNI per Capita, Difference, Ratio (Currency: 2011 Constant PPP\$)

Country	GNIpC, female	GNIpC, male	GNIpC, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
Afghanistan	503	3,265	1,904	-2,762	-1,401	1,361	15.41%	26.42%	171.48%
Albania	6,704	11,734	9,225	-5,030	-2,521	2,509	57.13%	72.67%	127.20%
Angola	5,080	7,587	6,323	-2,507	-1,243	1,264	66.96%	80.34%	119.99%
Argentina	11,975	22,849	17,297	-10,874	-5,322	5,552	52.41%	69.23%	132.10%
Armenia	5,486	10,282	7,952	-4,796	-2,466	2,330	53.36%	68.99%	129.30%
Australia	35,541	47,563	41,524	-12,022	-5,983	6,039	74.72%	85.59%	114.54%
Austria	25,170	61,543	42,930	-36,373	-17,760	18,613	40.90%	58.63%	143.36%
Azerbaijan	10,968	20,541	15,725	-9,573	-4,757	4,816	53.40%	69.75%	130.63%
Bangladesh	1,928	3,480	2,713	-1,552	-785	767	55.40%	71.07%	128.27%
Belarus	12,655	20,730	16,403	-8,075	-3,748	4,327	61.05%	77.15%	126.38%
Belgium	30,213	49,077	39,471	-18,864	-9,258	9,606	61.56%	76.54%	124.34%
Belize	6,163	12,571	9,364	-6,408	-3,201	3,207	49.03%	65.82%	134.25%
Benin	1,455	1,999	1,726	-544	-271	273	72.79%	84.30%	115.82%
Bhutan	5,419	7,942	6,775	-2,523	-1,356	1,167	68.23%	79.99%	117.23%
Bolivia	4,406	6,701	5,552	-2,295	-1,146	1,149	65.75%	79.36%	120.70%
Bosnia and Herzegovina	6,381	12,628	9,431	-6,247	-3,050	3,197	50.53%	67.66%	133.90%
Brazil	10,851	17,813	14,275	-6,962	-3,424	3,538	60.92%	76.01%	124.78%
Bulgaria	12,539	18,430	15,402	-5,891	-2,863	3,028	68.04%	81.41%	119.66%
Burkina Faso	1,335	1,871	1,602	-536	-267	269	71.35%	83.33%	116.79%
Burundi	685	815	749	-130	-64	66	84.05%	91.46%	108.81%
Cambodia	2,410	3,220	2,805	-810	-395	415	74.84%	85.92%	114.80%
Cameroon	2,062	3,052	2,557	-990	-495	495	67.56%	80.64%	119.36%
Canada	34,612	49,272	41,887	-14,660	-7,275	7,385	70.25%	82.63%	117.63%
Cape Verde	4,266	8,480	6,365	-4,214	-2,099	2,115	50.31%	67.02%	133.23%
Central African Rep.	482	698	588	-216	-106	110	69.05%	81.97%	118.71%
Chad	1,289	1,953	1,622	-664	-333	331	66.00%	79.47%	120.41%
Chile	14,339	27,410	20,804	-13,071	-6,465	6,606	52.31%	68.92%	131.75%
China	9,288	13,512	11,477	-4,224	-2,189	2,035	68.74%	80.93%	117.73%
Colombia	7,698	15,485	11,527	-7,787	-3,829	3,958	49.71%	66.78%	134.34%
Comoros	798	2,201	1,505	-1,403	-707	696	36.26%	53.02%	146.25%
Congo	4,222	5,597	4,909	-1,375	-687	688	75.43%	86.01%	114.02%
Costa Rica	9,719	16,204	13,012	-6,485	-3,293	3,192	59.98%	74.69%	124.53%
Côte d'Ivoire	1,866	3,648	2,774	-1,782	-908	874	51.15%	67.27%	131.51%
Croatia	15,777	22,509	19,025	-6,732	-3,248	3,484	70.09%	82.93%	118.31%
Czech Rep.	16,233	33,098	24,535	-16,865	-8,302	8,563	49.05%	66.16%	134.90%
Denmark	37,102	48,746	42,880	-11,644	-5,778	5,866	76.11%	86.53%	113.68%
Djibouti	1,907	4,300	3,109	-2,393	-1,202	1,191	44.35%	61.34%	138.31%
Dominican Rep.	7,514	14,172	10,844	-6,658	-3,330	3,328	53.02%	69.29%	130.69%
Ecuador	7,045	12,951	9,998	-5,906	-2,953	2,953	54.40%	70.46%	129.54%
Egypt	4,225	16,522	10,400	-12,297	-6,175	6,122	25.57%	40.63%	158.87%
El Salvador	5,383	9,302	7,240	-3,919	-1,857	2,062	57.87%	74.35%	128.48%

Country	GNIPC, female	GNIPC, male	GNIPC, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
Estonia	19,410	27,985	23,387	-8,575	-3,977	4,598	69.36%	82.99%	119.66%
Ethiopia	1,090	1,515	1,303	-425	-213	212	71.95%	83.65%	116.27%
Fiji	4,100	10,214	7,214	-6,114	-3,114	3,000	40.14%	56.83%	141.59%
Finland	32,123	42,795	37,366	-10,672	-5,243	5,429	75.06%	85.97%	114.53%
France	29,580	44,139	36,629	-14,559	-7,049	7,510	67.02%	80.76%	120.50%
Gabon	14,003	19,919	16,977	-5,916	-2,974	2,942	70.30%	82.48%	117.33%
Gambia	1,309	1,811	1,557	-502	-248	254	72.28%	84.07%	116.31%
Georgia	4,231	9,871	6,890	-5,640	-2,659	2,981	42.86%	61.41%	143.27%
Germany	32,976	53,499	43,049	-20,523	-10,073	10,450	61.64%	76.60%	124.27%
Ghana	2,937	4,138	3,532	-1,201	-595	606	70.98%	83.15%	117.16%
Greece	17,791	31,707	24,658	-13,916	-6,867	7,049	56.11%	72.15%	128.59%
Guatemala	4,456	9,397	6,866	-4,941	-2,410	2,531	47.42%	64.90%	136.86%
Guinea	913	1,370	1,142	-457	-229	228	66.64%	79.95%	119.96%
Guinea-Bissau	907	1,275	1,090	-368	-183	185	71.14%	83.21%	116.97%
Haiti	1,349	1,930	1,636	-581	-287	294	69.90%	82.46%	117.97%
Honduras	2,474	5,800	4,138	-3,326	-1,664	1,662	42.66%	59.79%	140.16%
Hungary	17,233	25,663	21,239	-8,430	-4,006	4,424	67.15%	81.14%	120.83%
Iceland	27,612	42,520	35,116	-14,908	-7,504	7,404	64.94%	78.63%	121.08%
India	2,277	7,833	5,150	-5,556	-2,873	2,683	29.07%	44.21%	152.10%
Indonesia	5,873	12,030	8,970	-6,157	-3,097	3,060	48.82%	65.47%	134.11%
Iran	4,159	22,631	13,451	-18,472	-9,292	9,180	18.38%	30.92%	168.25%
Iraq	4,246	23,555	14,007	-19,309	-9,761	9,548	18.03%	30.31%	168.17%
Ireland	23,869	43,094	33,414	-19,225	-9,545	9,680	55.39%	71.43%	128.97%
Israel	24,636	35,402	29,966	-10,766	-5,330	5,436	69.59%	82.21%	118.14%
Italy	22,303	43,640	32,669	-21,337	-10,366	10,971	51.11%	68.27%	133.58%
Jamaica	6,406	9,990	8,170	-3,584	-1,764	1,820	64.12%	78.41%	122.28%
Japan	22,384	51,906	36,747	-29,522	-14,363	15,159	43.12%	60.91%	141.25%
Jordan	2,875	19,459	11,337	-16,584	-8,462	8,122	14.77%	25.36%	171.64%
Kazakhstan	14,369	24,902	19,441	-10,533	-5,072	5,461	57.70%	73.91%	128.09%
Kenya	1,763	2,554	2,158	-791	-395	396	69.03%	81.70%	118.35%
Korea, Rep.	21,795	38,990	30,345	-17,195	-8,550	8,645	55.90%	71.82%	128.49%
Kyrgyzstan	2,228	3,837	3,021	-1,609	-793	816	58.07%	73.75%	127.01%
Lao PDR	3,806	4,902	4,351	-1,096	-545	551	77.64%	87.47%	112.66%
Latvia	18,625	26,414	22,186	-7,789	-3,561	4,228	70.51%	83.95%	119.06%
Lesotho	2,217	3,395	2,798	-1,178	-581	597	65.30%	79.24%	121.34%
Liberia	634	868	752	-234	-118	116	73.04%	84.31%	115.43%
Lithuania	19,588	28,607	23,740	-9,019	-4,152	4,867	68.47%	82.51%	120.50%
Luxembourg	41,351	76,196	58,695	-34,845	-17,344	17,501	54.27%	70.45%	129.82%
Macedonia, FYR	7,913	15,563	11,745	-7,650	-3,832	3,818	50.84%	67.37%	132.51%
Madagascar	1,102	1,566	1,333	-464	-231	233	70.37%	82.67%	117.48%
Malawi	652	777	715	-125	-63	62	83.91%	91.19%	108.67%
Malaysia	13,187	30,984	21,824	-17,797	-8,637	9,160	42.56%	60.42%	141.97%

Country	GNIpC, female	GNIpC, male	GNIpC, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
Maldives	7,504	12,608	10,074	-5,104	-2,570	2,534	59.52%	74.49%	125.15%
Mali	914	2,076	1,499	-1,162	-585	577	44.03%	60.97%	138.49%
Mauritania	1,362	4,592	2,988	-3,230	-1,626	1,604	29.66%	45.58%	153.68%
Mexico	10,060	22,020	15,854	-11,960	-5,794	6,166	45.69%	63.45%	138.89%
Moldova, Rep.	4,196	5,979	5,041	-1,783	-845	938	70.18%	83.24%	118.61%
Mongolia	7,299	9,654	8,466	-2,355	-1,167	1,188	75.61%	86.22%	114.03%
Morocco	3,215	10,692	6,905	-7,477	-3,690	3,787	30.07%	46.56%	154.84%
Mozambique	939	1,086	1,011	-147	-72	75	86.46%	92.88%	107.42%
Namibia	7,288	11,196	9,185	-3,908	-1,897	2,011	65.09%	79.35%	121.89%
Nepal	1,857	2,554	2,194	-697	-337	360	72.71%	84.64%	116.41%
Netherlands	34,497	50,432	42,397	-15,935	-7,900	8,035	68.40%	81.37%	118.95%
New Zealand	26,694	38,656	32,569	-11,962	-5,875	6,087	69.06%	81.96%	118.69%
Nicaragua	2,821	5,743	4,266	-2,922	-1,445	1,477	49.12%	66.13%	134.62%
Niger	471	1,268	873	-797	-402	395	37.15%	53.95%	145.25%
Nigeria	4,068	6,594	5,353	-2,526	-1,285	1,241	61.69%	75.99%	123.18%
Norway	56,994	70,807	63,909	-13,813	-6,915	6,898	80.49%	89.18%	110.79%
Pakistan	1,707	7,439	4,652	-5,732	-2,945	2,787	22.95%	36.69%	159.91%
Palestine, State of	1,651	8,580	5,168	-6,929	-3,517	3,412	19.24%	31.95%	166.02%
Panama	10,798	21,850	16,379	-11,052	-5,581	5,471	49.42%	65.93%	133.40%
Paraguay	5,984	9,150	7,580	-3,166	-1,596	1,570	65.40%	78.94%	120.71%
Peru	8,942	13,607	11,280	-4,665	-2,338	2,327	65.72%	79.27%	120.63%
Philippines	4,987	7,771	6,381	-2,784	-1,394	1,390	64.17%	78.15%	121.78%
Poland	16,462	26,871	21,487	-10,409	-5,025	5,384	61.26%	76.61%	125.06%
Portugal	17,846	30,817	24,130	-12,971	-6,284	6,687	57.91%	73.96%	127.71%
Qatar	45,863	141,468	119,029	-95,605	-73,166	22,439	32.42%	38.53%	118.85%
Romania	12,005	23,148	17,433	-11,143	-5,428	5,715	51.86%	68.86%	132.78%
Russian Federation	18,228	27,741	22,617	-9,513	-4,389	5,124	65.71%	80.59%	122.66%
Rwanda	1,263	1,550	1,403	-287	-140	147	81.48%	90.02%	110.48%
Sao Tome and Principe	2,001	4,248	3,111	-2,247	-1,110	1,137	47.10%	64.32%	136.55%
Senegal	1,642	2,717	2,169	-1,075	-527	548	60.43%	75.70%	125.27%
Sierra Leone	1,617	2,016	1,815	-399	-198	201	80.21%	89.09%	111.07%
Slovakia	19,450	31,554	25,336	-12,104	-5,886	6,218	61.64%	76.77%	124.54%
Slovenia	21,762	31,916	26,809	-10,154	-5,047	5,107	68.19%	81.17%	119.05%
South Africa	8,539	15,233	11,788	-6,694	-3,249	3,445	56.06%	72.44%	129.22%
Spain	23,487	37,804	30,561	-14,317	-7,074	7,243	62.13%	76.85%	123.70%
Sri Lanka	5,077	13,617	9,250	-8,540	-4,173	4,367	37.28%	54.89%	147.21%
Sudan	1,692	5,153	3,428	-3,461	-1,736	1,725	32.84%	49.36%	150.32%
Suriname	9,874	20,329	15,113	-10,455	-5,239	5,216	48.57%	65.33%	134.51%
Swaziland	3,738	7,384	5,536	-3,646	-1,798	1,848	50.62%	67.52%	133.38%
Sweden	38,071	48,365	43,201	-10,294	-5,130	5,164	78.72%	88.13%	111.95%
Switzerland	42,561	65,278	53,762	-22,717	-11,201	11,516	65.20%	79.17%	121.42%

Country	GNIPC, female	GNIPC, male	GNIPC, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
Syrian Arab Republic	1,922	9,478	5,771	-7,556	-3,849	3,707	20.28%	33.30%	164.23%
Tajikistan	1,939	2,906	2,424	-967	-485	482	66.72%	79.99%	119.88%
Tanzania, UR	1,501	1,903	1,702	-402	-201	201	78.88%	88.19%	111.81%
Thailand	11,728	15,069	13,364	-3,341	-1,636	1,705	77.83%	87.76%	112.76%
Togo	998	1,263	1,129	-265	-131	134	79.02%	88.40%	111.87%
Tunisia	4,751	16,226	10,440	-11,475	-5,689	5,786	29.28%	45.51%	155.42%
Turkey	8,813	28,318	18,391	-19,505	-9,578	9,927	31.12%	47.92%	153.98%
Uganda	1,167	1,502	1,335	-335	-168	167	77.70%	87.42%	112.51%
Ukraine	6,450	10,279	8,215	-3,829	-1,765	2,064	62.75%	78.51%	125.12%
United Kingdom	27,589	42,632	35,002	-15,043	-7,413	7,630	64.71%	78.82%	121.80%
United States	41,792	63,163	52,308	-21,371	-10,516	10,855	66.17%	79.90%	120.75%
Uruguay	13,789	22,730	18,108	-8,941	-4,319	4,622	60.66%	76.15%	125.52%
Uzbekistan	3,579	6,893	5,227	-3,314	-1,648	1,666	51.92%	68.47%	131.87%
Venezuela, BR	11,924	22,180	17,067	-10,256	-5,143	5,113	53.76%	69.87%	129.96%
Viet Nam	4,147	5,655	4,892	-1,508	-745	763	73.33%	84.77%	115.60%
Yemen	1,775	6,080	3,945	-4,305	-2,170	2,135	29.19%	44.99%	154.12%
Zambia	2,344	3,455	2,898	-1,111	-554	557	67.84%	80.88%	119.22%
Average	10,696	18,707	14,831	-8,011	-4,136	3,876	57.91%	71.97%	128.12%
Maximum	56,994	141,468	119,029	-125	-63	22,439	86.46%	92.88%	171.64%
Minimum	471	698	588	-95,605	-73,166	62	14.77%	25.36%	107.42%

2.3. GNI, Difference, Ratio (Currency: thousands, 2011 Constant PPP\$)

Country	GNI, female	GNI, male	GNI, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
Afghanistan	7,575.7	50,577.1	58,170.4	-43,001.5	-50,594.8	-7,593.3	14.98%	13.02%	86.95%
Albania	10,611.1	18,662.9	29,273.7	-8,051.8	-18,662.6	-10,610.8	56.86%	36.25%	63.75%
Angola	54,993.5	80,772.0	135,764.9	-25,778.4	-80,771.4	-54,993.0	68.08%	40.51%	59.49%
Argentina	253,425.7	463,455.4	716,896.7	-210,029.7	-463,470.9	-253,441.2	54.68%	35.35%	64.65%
Armenia	7,931.7	15,739.7	23,669.9	-7,808.0	-15,738.3	-7,930.2	50.39%	33.51%	66.50%
Australia	416,750.2	552,525.1	969,278.1	-135,774.9	-552,527.9	-416,753.0	75.43%	43.00%	57.00%
Austria	109,419.0	255,280.4	364,698.9	-145,861.3	-255,279.9	-109,418.6	42.86%	30.00%	70.00%
Azerbaijan	51,942.3	96,082.6	148,025.7	-44,140.3	-96,083.5	-51,943.1	54.06%	35.09%	64.91%
Bangladesh	149,139.7	275,756.6	424,842.2	-126,616.9	-275,702.6	-149,085.6	54.08%	35.10%	64.91%
Belarus	63,449.6	90,028.3	153,478.0	-26,578.7	-90,028.3	-63,449.6	70.48%	41.34%	58.66%
Belgium	170,848.5	267,454.9	438,305.7	-96,606.5	-267,457.2	-170,850.8	63.88%	38.98%	61.02%
Belize	1,023.7	2,084.3	3,107.9	-1,060.6	-2,084.2	-1,023.6	49.11%	32.94%	67.06%
Benin	7,535.3	10,284.1	17,818.4	-2,748.8	-10,283.1	-7,534.3	73.27%	42.29%	57.72%
Bhutan	1,890.1	3,217.3	5,107.7	-1,327.2	-3,217.5	-1,890.4	58.75%	37.01%	62.99%
Bolivia	23,536.0	35,713.0	59,247.1	-12,177.0	-35,711.1	-23,534.1	65.90%	39.73%	60.28%
Bosnia and Herzegovina	12,505.5	23,608.0	36,114.1	-11,102.6	-23,608.6	-12,506.1	52.97%	34.63%	65.37%
Brazil	1,105,020.3	1,755,045.4	2,860,166.1	-650,025.2	-1,755,145.9	-1,105,120.7	62.96%	38.63%	61.36%
Bulgaria	46,556.1	64,691.1	111,248.6	-18,135.1	-64,692.6	-46,557.5	71.97%	41.85%	58.15%
Burkina Faso	11,368.9	15,751.6	27,129.5	-4,382.7	-15,760.7	-11,378.0	72.18%	41.91%	58.06%
Burundi	3,522.7	4,091.1	7,611.7	-568.4	-4,089.0	-3,520.6	86.11%	46.28%	53.75%
Cambodia	18,676.3	23,782.0	42,454.2	-5,105.7	-23,777.9	-18,672.3	78.53%	43.99%	56.02%
Cameroon	22,948.8	33,952.3	56,903.5	-11,003.5	-33,954.7	-22,951.2	67.59%	40.33%	59.67%
Canada	613,414.6	860,244.8	1,473,655.9	-246,830.1	-860,241.2	-613,411.1	71.31%	41.63%	58.37%
Cape Verde	1,068.2	2,107.3	3,175.5	-1,039.1	-2,107.3	-1,068.2	50.69%	33.64%	66.36%
Central African Rep.	1,130.1	1,585.6	2,714.4	-455.5	-1,584.3	-1,128.8	71.27%	41.63%	58.42%
Chad	8,253.2	12,543.1	20,802.6	-4,289.9	-12,549.4	-8,259.5	65.80%	39.67%	60.30%
Chile	127,690.2	238,867.2	366,560.2	-111,177.0	-238,870.0	-127,693.1	53.46%	34.83%	65.16%
China	6,199,372.2	9,703,049.6	15,902,146.7	-3,503,677.4	-9,702,774.5	-6,199,097.1	63.89%	38.98%	61.02%
Colombia	189,084.4	367,901.9	557,000.8	-178,817.5	-367,916.3	-189,098.9	51.40%	33.95%	66.05%
Comoros	291.0	814.8	1,106.0	-523.8	-815.0	-291.2	35.72%	26.31%	73.67%
Congo	9,391.0	12,443.8	21,833.3	-3,052.8	-12,442.3	-9,389.5	75.47%	43.01%	56.99%
Costa Rica	23,308.1	40,088.7	63,397.1	-16,780.6	-40,089.0	-23,308.4	58.14%	36.77%	63.23%
Côte d'Ivoire	18,587.8	37,774.3	56,356.9	-19,186.5	-37,769.1	-18,582.6	49.21%	32.98%	67.03%
Croatia	35,028.1	46,582.4	81,611.5	-11,554.3	-46,583.4	-35,029.2	75.20%	42.92%	57.08%
Czech Rep.	88,215.0	174,357.0	262,578.5	-86,142.0	-174,363.5	-88,221.5	50.59%	33.60%	66.40%
Denmark	105,024.6	135,923.3	240,947.0	-30,898.7	-135,922.4	-105,023.7	77.27%	43.59%	56.41%
Djibouti	828.6	1,885.6	2,714.2	-1,057.0	-1,885.6	-828.6	43.94%	30.53%	69.47%
Dominican Rep.	39,070.5	73,751.1	112,817.7	-34,680.5	-73,747.2	-39,066.6	52.98%	34.63%	65.37%
Ecuador	55,440.6	101,903.6	157,347.5	-46,463.0	-101,906.9	-55,443.9	54.40%	35.23%	64.76%
Egypt	172,592.9	680,805.5	853,386.6	-508,212.6	-680,793.6	-172,581.0	25.35%	20.22%	79.78%

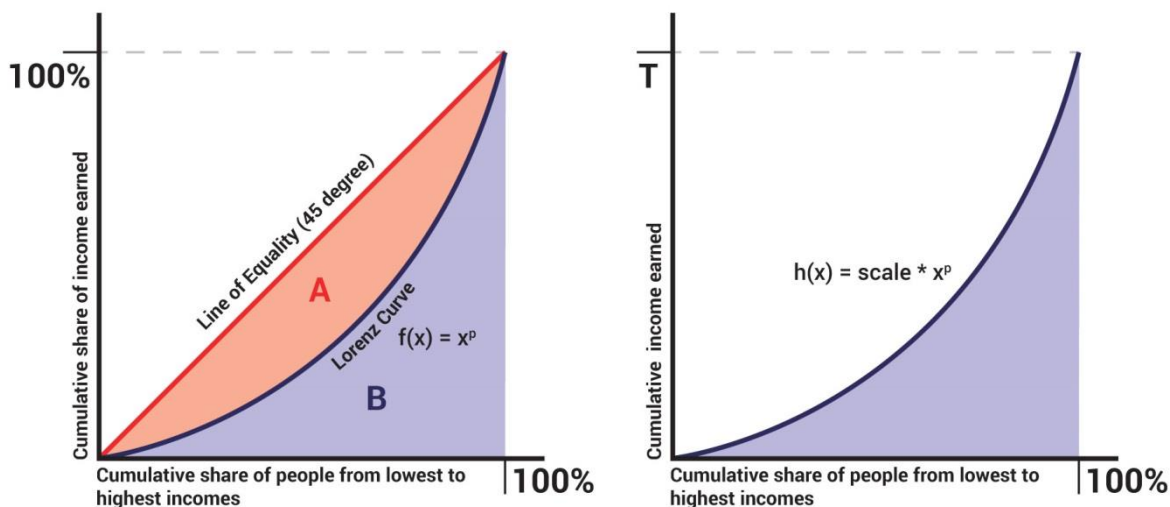
Country	GNI, female	GNI, male	GNI, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
El Salvador	17,955.5	27,950.6	45,904.5	-9,995.1	-27,949.0	- 17,953.8	64.24%	39.11%	60.89%
Estonia	13,396.8	16,709.8	30,106.1	-3,313.1	-16,709.3	- 13,396.2	80.17%	44.50%	55.50%
Ethiopia	51,259.8	71,316.2	122,613.2	-20,056.4	-71,353.5	- 51,297.0	71.88%	41.81%	58.16%
Fiji	1,772.4	4,584.0	6,356.3	-2,811.6	-4,583.8	- 1,772.2	38.67%	27.88%	72.12%
Finland	88,665.9	114,095.7	202,759.1	-25,429.8	- 114,093.2	- 88,663.4	77.71%	43.73%	56.27%
France	981,005.9	1,373,905.8	2,354,926.0	- 392,899.9	-1,373,920.1	-981,020.2	71.40%	41.66%	58.34%
Gabon	11,643.5	16,735.9	28,380.5	-5,092.4	-16,737.0	- 11,644.5	69.57%	41.03%	58.97%
Gambia	1,223.3	1,656.7	2,879.4	-433.4	-1,656.1	- 1,222.7	73.84%	42.48%	57.54%
Georgia	9,709.3	20,197.1	29,908.8	-10,487.8	-20,199.5	- 9,711.7	48.07%	32.46%	67.53%
Germany	1,389,104.1	2,172,161.0	3,561,297.4	- 783,056.9	-2,172,193.3	-1,389,136.4	63.95%	39.01%	60.99%
Ghana	38,361.0	53,145.6	91,495.0	-14,784.5	-53,134.0	- 38,349.5	72.18%	41.93%	58.09%
Greece	100,284.3	174,109.5	274,394.2	-73,825.2	- 174,109.9	-100,284.7	57.60%	36.55%	63.45%
Guatemala	35,309.8	70,891.9	106,204.7	-35,582.1	-70,894.9	- 35,312.8	49.81%	33.25%	66.75%
Guinea	5,352.6	8,059.0	13,412.9	-2,706.5	-8,060.4	- 5,353.9	66.42%	39.91%	60.08%
Guinea-Bissau	777.4	1,080.2	1,857.7	-302.8	-1,080.3	- 777.5	71.97%	41.85%	58.15%
Haiti	7,041.2	9,838.9	16,879.4	-2,797.7	-9,838.2	- 7,040.5	71.56%	41.71%	58.29%
Honduras	10,011.0	23,497.0	33,508.3	-13,485.9	-23,497.2	- 10,011.3	42.61%	29.88%	70.12%
Hungary	90,030.4	121,401.4	211,432.1	-31,371.0	- 121,401.8	- 90,030.7	74.16%	42.58%	57.42%
Iceland	4,520.1	7,054.1	11,574.2	-2,534.0	-7,054.1	- 4,520.2	64.08%	39.05%	60.95%
India	1,376,908.7	5,071,370.9	6,448,518.9	- 3,694,462.2	-5,071,610.2	-1,377,148.1	27.15%	21.35%	78.64%
Indonesia	729,221.0	1,512,178.2	2,241,294.4	- 782,957.2	-1,512,073.4	-729,116.2	48.22%	32.54%	67.47%
Iran	160,078.2	881,649.4	1,041,742.3	- 721,571.2	- 881,664.0	-160,092.8	18.16%	15.37%	84.63%
Iraq	70,891.2	402,067.4	472,950.6	- 331,176.1	- 402,059.3	- 70,883.2	17.63%	14.99%	85.01%
Ireland	55,610.0	99,004.2	154,613.3	-43,394.2	-99,003.3	- 55,609.1	56.17%	35.97%	64.03%
Israel	96,196.2	135,536.6	231,733.1	-39,340.4	- 135,536.9	- 96,196.5	70.97%	41.51%	58.49%
Italy	699,424.3	1,293,061.9	1,992,492.1	- 593,637.6	-1,293,067.8	-699,430.2	54.09%	35.10%	64.90%
Jamaica	9,053.6	13,692.3	22,744.5	-4,638.7	-13,690.9	- 9,052.2	66.12%	39.81%	60.20%
Japan	1,461,359.6	3,210,780.6	4,672,142.2	- 1,749,421.0	-3,210,782.6	-1,461,361.6	45.51%	31.28%	68.72%
Jordan	10,241.3	72,224.0	82,463.1	-61,982.7	-72,221.7	- 10,239.0	14.18%	12.42%	87.58%
Kazakhstan	122,490.0	197,124.2	319,621.7	-74,634.3	- 197,131.7	-122,497.5	62.14%	38.32%	61.67%
Kenya	39,181.8	56,518.0	95,715.3	-17,336.2	-56,533.5	- 39,197.3	69.33%	40.94%	59.05%
Korea, Rep.	539,807.7	955,067.8	1,494,876.6	- 415,260.2	- 955,069.0	-539,808.8	56.52%	36.11%	63.89%
Kyrgyzstan	6,264.0	10,498.4	16,759.3	-4,234.4	-10,495.3	- 6,260.9	59.67%	37.38%	62.64%
Lao PDR	12,940.8	16,518.3	29,455.4	-3,577.5	-16,514.6	- 12,937.1	78.34%	43.93%	56.08%
Latvia	20,729.6	24,757.8	45,488.0	-4,028.2	-24,758.3	- 20,730.1	83.73%	45.57%	54.43%
Lesotho	2,329.8	3,475.1	5,804.5	-1,145.3	-3,474.6	- 2,329.3	67.04%	40.14%	59.87%
Liberia	1,351.4	1,877.0	3,229.1	-525.5	-1,877.7	- 1,352.1	72.00%	41.85%	58.13%
Lithuania	31,887.3	39,735.1	71,621.2	-7,847.8	-39,733.9	- 31,886.1	80.25%	44.52%	55.48%
Luxembourg	11,015.9	20,115.7	31,131.8	-9,099.8	-20,115.9	- 11,016.1	54.76%	35.38%	64.61%
Macedonia, FYR	8,322.1	16,426.7	24,749.1	-8,104.6	-16,427.0	- 8,322.3	50.66%	33.63%	66.37%
Madagascar	12,673.0	17,891.2	30,558.8	-5,218.2	-17,885.8	- 12,667.5	70.83%	41.47%	58.55%
Malawi	5,321.3	6,372.2	11,699.2	-1,050.9	-6,377.9	- 5,327.0	83.51%	45.48%	54.47%

Country	GNI, female	GNI, male	GNI, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
Malaysia	201,691.2	446,860.5	648,543.8	- 245,169.3	- 446,852.6	-201,683.3	45.14%	31.10%	68.90%
Maldives	1,285.4	2,190.0	3,475.5	-904.6	-2,190.1	- 1,285.5	58.70%	36.99%	63.01%
Mali	6,937.6	16,008.7	22,937.2	-9,071.0	-15,999.6	- 6,928.6	43.34%	30.25%	69.79%
Mauritania	2,630.0	8,995.3	11,623.0	-6,365.2	-8,993.0	- 2,627.8	29.24%	22.63%	77.39%
Mexico	634,418.8	1,305,101.2	1,939,457.9	- 670,682.4	-1,305,039.1	-634,356.7	48.61%	32.71%	67.29%
Moldova, Rep.	7,697.6	9,881.5	17,579.0	-2,183.9	-9,881.4	- 7,697.5	77.90%	43.79%	56.21%
Mongolia	10,456.5	13,578.4	24,035.8	-3,121.8	-13,579.3	- 10,457.5	77.01%	43.50%	56.49%
Morocco	53,741.6	174,197.3	227,921.6	- 120,455.7	- 174,180.0	- 53,724.3	30.85%	23.58%	76.43%
Mozambique	12,398.0	13,716.6	26,118.0	-1,318.6	-13,720.0	- 12,401.4	90.39%	47.47%	52.52%
Namibia	8,637.0	12,519.4	21,155.8	-3,882.4	-12,518.8	- 8,636.4	68.99%	40.83%	59.18%
Nepal	26,632.9	34,365.6	60,987.7	-7,732.7	-34,354.8	- 26,622.1	77.50%	43.67%	56.35%
Netherlands	291,513.4	419,029.4	710,539.8	- 127,516.0	- 419,026.4	-291,510.4	69.57%	41.03%	58.97%
New Zealand	61,204.0	85,545.7	146,749.4	-24,341.7	-85,545.4	- 61,203.7	71.55%	41.71%	58.29%
Nicaragua	8,670.3	17,269.2	25,939.4	-8,598.9	-17,269.1	- 8,670.2	50.21%	33.43%	66.58%
Niger	4,166.3	11,393.7	15,566.6	-7,227.5	-11,400.4	- 4,172.9	36.57%	26.76%	73.19%
Nigeria	346,812.1	582,656.4	929,362.7	- 235,844.3	- 582,550.6	-346,706.3	59.52%	37.32%	62.69%
Norway	143,516.6	178,752.3	322,267.5	-35,235.7	- 178,750.9	-143,515.3	80.29%	44.53%	55.47%
Pakistan	151,189.0	696,086.6	847,327.4	- 544,897.6	- 696,138.4	-151,240.8	21.72%	17.84%	82.15%
Palestine, State of	3,517.8	18,838.2	22,358.3	-15,320.5	-18,840.5	- 3,520.1	18.67%	15.73%	84.26%
Panama	20,655.5	42,633.7	63,290.1	-21,978.2	-42,634.6	- 20,656.4	48.45%	32.64%	67.36%
Paraguay	20,188.8	31,370.8	51,561.4	-11,182.0	-31,372.6	- 20,190.7	64.36%	39.15%	60.84%
Peru	135,499.9	207,132.6	342,637.9	-71,632.6	- 207,138.0	-135,505.3	65.42%	39.55%	60.45%
Philippines	244,888.1	383,018.6	627,848.9	- 138,130.5	- 382,960.8	-244,830.3	63.94%	39.00%	61.00%
Poland	325,420.8	495,732.3	821,160.1	- 170,311.5	- 495,739.3	-325,427.8	65.64%	39.63%	60.37%
Portugal	97,599.8	158,371.6	255,973.5	-60,771.9	- 158,373.7	- 97,601.8	61.63%	38.13%	61.87%
Qatar	23,344.3	234,794.4	258,138.2	- 211,450.2	- 234,793.9	- 23,343.8	9.94%	9.04%	90.96%
Romania	133,612.0	244,648.9	378,271.7	- 111,036.8	- 244,659.6	-133,622.8	54.61%	35.32%	64.68%
Russian Federation	1,402,515.2	1,827,873.9	3,230,467.5	- 425,358.7	-1,827,952.4	-1,402,593.6	76.73%	43.42%	56.58%
Rwanda	7,611.3	8,912.7	16,522.4	-1,301.3	-8,911.1	- 7,609.8	85.40%	46.07%	53.94%
Sao Tome and Principe	195.5	404.8	600.4	-209.3	-404.9	- 195.6	48.29%	32.56%	67.42%
Senegal	11,824.9	18,833.7	30,655.1	-7,008.8	-18,830.3	- 11,821.4	62.79%	38.57%	61.44%
Sierra Leone	4,959.7	6,098.0	11,057.0	-1,138.3	-6,097.3	- 4,959.0	81.33%	44.86%	55.15%
Slovakia	54,456.1	83,630.7	138,086.3	-29,174.6	-83,630.2	- 54,455.5	65.11%	39.44%	60.56%
Slovenia	22,680.4	32,867.1	55,548.2	-10,186.7	-32,867.9	- 22,681.2	69.01%	40.83%	59.17%
South Africa	231,920.9	390,208.5	622,125.8	- 158,287.6	- 390,204.9	-231,917.3	59.44%	37.28%	62.72%
Spain	557,574.3	876,572.7	1,434,136.0	- 318,998.4	- 876,561.7	-557,563.4	63.61%	38.88%	61.12%
Sri Lanka	55,228.1	141,550.1	196,777.1	-86,322.0	- 141,549.0	- 55,227.0	39.02%	28.07%	71.93%
Sudan	32,010.1	98,143.0	130,141.6	-66,132.9	-98,131.5	- 31,998.6	32.62%	24.60%	75.41%
Suriname	2,656.1	5,492.9	8,148.9	-2,836.8	-5,492.8	- 2,656.0	48.36%	32.59%	67.41%
Swaziland	2,366.5	4,551.5	6,917.2	-2,185.0	-4,550.7	- 2,365.7	51.99%	34.21%	65.80%
Sweden	182,775.1	230,710.7	413,481.1	-47,935.7	- 230,706.0	-182,770.4	79.22%	44.20%	55.80%

Country	GNI, female	GNI, male	GNI, both sexes	Difference (female - male)	Difference (female - both)	Difference (male - both)	Ratio (female / male)	Ratio (female / both)	Ratio (male / both)
Switzerland	174,287.3	259,995.7	434,284.1	-85,708.5	- 259,996.8	-174,288.3	67.03%	40.13%	59.87%
Syrian Arab Republic	20,648.4	105,726.1	126,373.9	-85,077.7	- 105,725.5	- 20,647.8	19.53%	16.34%	83.66%
Tajikistan	7,926.4	11,972.4	19,895.7	-4,046.0	-11,969.3	- 7,923.3	66.21%	39.84%	60.18%
Tanzania, UR	36,960.0	46,869.9	83,828.8	-9,909.9	-46,868.8	- 36,958.8	78.86%	44.09%	55.91%
Thailand	401,019.0	494,522.4	895,528.3	-93,503.4	- 494,509.3	-401,005.9	81.09%	44.78%	55.22%
Togo	3,448.5	4,245.7	7,696.4	-797.2	-4,247.9	- 3,450.7	81.22%	44.81%	55.16%
Tunisia	26,346.7	88,447.9	114,803.5	-62,101.3	-88,456.8	- 26,355.5	29.79%	22.95%	77.04%
Turkey	336,089.0	1,042,020.3	1,378,087.3	- 705,931.2	-1,041,998.2	-336,067.0	32.25%	24.39%	75.61%
Uganda	21,868.5	28,297.4	50,167.8	-6,428.8	-28,299.3	- 21,870.5	77.28%	43.59%	56.41%
Ukraine	157,334.9	214,274.0	371,636.7	-56,939.1	- 214,301.9	-157,362.8	73.43%	42.34%	57.66%
United Kingdom	883,521.2	1,326,362.5	2,209,896.8	- 442,841.3	-1,326,375.6	-883,534.3	66.61%	39.98%	60.02%
United States	6,793,690.8	9,947,610.3	16,741,212.0	- 3,153,919.5	-9,947,521.2	-6,793,601.7	68.29%	40.58%	59.42%
Uruguay	24,286.6	37,409.0	61,695.8	-13,122.5	-37,409.2	- 24,286.7	64.92%	39.37%	60.63%
Uzbekistan	52,049.0	99,198.5	151,238.5	-47,149.5	-99,189.5	- 52,040.0	52.47%	34.42%	65.59%
Venezuela, BR	180,769.0	338,136.3	518,925.5	- 157,367.3	- 338,156.5	-180,789.2	53.46%	34.84%	65.16%
Viet Nam	192,317.1	256,198.6	448,497.6	-63,881.5	- 256,180.5	-192,298.9	75.07%	42.88%	57.12%
Yemen	21,483.2	74,809.5	96,287.2	-53,326.4	-74,804.0	- 21,477.7	28.72%	22.31%	77.69%
Zambia	17,080.3	25,055.0	42,132.9	-7,974.7	-25,052.6	- 17,077.9	68.17%	40.54%	59.47%
Average	237,428.4	418,079.5	655,506.7	- 180,651.1	- 418,078.2	-237,427.2	59.19%	36.33%	63.67%
Maximum	6,793,690.8	9,947,610.3	16,741,212.0	-209.3	-404.9	- 195.6	90.39%	47.47%	90.96%
Minimum	195.5	404.8	600.4	- 3,694,462.2	-9,947,521.2	-6,793,601.7	9.94%	9.04%	52.52%

3. Estimation

3.1. Model



The assumption is that the Lorenz curve is a basically p -degree single-nominal function, and the actual cumulative income curve is constant multiplication of the Lorenz curve. Used constants, functions, and variables are below.

Constants:

$$G = \frac{A}{A + B} : \text{Gini coefficient,}$$

A : The area between the line of equality and the Lorenz Curve,

B : The area below the Lorenz Curve,

M : GNI per Capita,

P : Population,

$T = M \times P$: GNI

Functions and Variables:

$f(x) = x^p$: The Lorenz Curve, $x \in [0,1]$, $p > 0$,

p : the exponent of the Lorenz Curve

$Scale$: The cumulative income of highest 100%,

$h(x) = Scale \times f(x)$: The Income Distribution Curve,

$H(x)$: The Income Cumulative Curve

3.2. Estimation Equations

$$G = \frac{A}{A + B} = \frac{A}{0.5} = 1 - \frac{B}{0.5}$$

$$G \times 0.5 = 0.5 - B$$

$$B = 0.5 \times (1 - G) \quad (\text{Area below the Lorenz Curve})$$

$$B = \int_0^1 f(x)dx = \left[\frac{1}{1+p} x^{1+p} \right]_0^1 = \frac{1}{1+p} = 0.5 \times (1 - G)$$

$$p = \frac{1+G}{1-G}$$

$$\int_0^1 \text{Scale} \times f(x)dx = \int_0^1 h(x)dx = \text{Scale} \left[\frac{1}{1+p} x^{1+p} \right]_0^1 = \frac{\text{Scale}}{1+p} = T = M \times P$$

$$(1 \times 100\% \text{'s income} = \text{Total GNI})$$

$$\text{Scale} = M \times P \times (1 + p)$$

$$H(x) = \int_0^x h(t)dt = \frac{\text{Scale}}{1+p} x^{1+p}$$

3.3. Estimation Result Table

Country	Curve Exponent	Curve Scale, female	Curve Scale, male	Curve Scale, both sexes
Afghanistan	1.7701	20,985,271,468.14	140,102,868,421.05	161,136,944,044.32
Albania	2.0534	32,400,278,473.28	56,986,036,641.22	89,385,320,610.69
Angola	2.4904	191,949,528,795.81	281,926,564,397.91	473,874,090,052.36
Argentina	2.6036	913,245,864,864.87	1,670,109,573,333.33	2,583,411,355,315.32
Armenia	1.9112	23,090,709,752.55	45,821,501,018.92	68,908,073,362.45
Australia	1.9851	1,244,030,483,283.58	1,649,328,662,985.07	2,893,367,529,552.24
Austria	1.8249	309,093,288,135.59	721,130,971,751.41	1,030,222,983,050.85
Azerbaijan	2.0166	156,688,550,226.24	289,841,875,113.12	446,533,076,923.08
Bangladesh	1.9455	439,292,102,503.68	812,243,275,405.01	1,251,376,244,477.17
Belarus	1.7211	172,652,078,911.57	244,975,012,244.90	417,627,075,102.04
Belgium	1.9851	509,995,440,000.00	798,372,916,119.40	1,308,375,282,089.55
Belize	3.2644	4,365,348,827.29	8,888,152,665.25	13,253,354,371.00
Benin	2.2573	24,544,949,511.40	33,498,551,791.53	58,040,263,843.65
Bhutan	2.2310	6,107,099,192.25	10,395,167,043.62	16,502,980,613.89
Bolivia	3.5767	107,716,113,501.14	163,446,130,434.78	271,153,581,693.36
Bosnia and Herzegovina	2.1348	39,202,143,573.67	74,006,413,793.10	113,210,433,542.32
Brazil	3.4150	4,878,676,670,198.68	7,748,544,897,571.75	12,627,665,000,000.00
Bulgaria	1.7855	129,682,599,164.35	180,198,169,916.44	309,884,807,799.44
Burkina Faso	2.3223	37,770,299,003.32	52,330,813,289.04	90,131,394,019.93
Burundi	1.9985	10,562,967,016.49	12,267,277,361.32	22,823,725,637.18

Country	Curve Exponent	Curve Scale, female	Curve Scale, male	Curve Scale, both sexes
Cambodia	2.1250	58,363,421,875.00	74,318,606,250.00	132,669,487,500.00
Cameroon	2.2733	75,118,896,235.68	111,136,756,792.14	186,263,430,441.90
Canada	1.9674	1,820,221,457,566.77	2,552,655,119,287.83	4,372,866,076,854.60
Cape Verde	3.0404	4,315,985,454.55	8,514,262,626.26	12,830,296,969.70
Central African Rep.	3.5767	5,172,290,160.18	7,256,963,844.39	12,423,081,006.87
Chad	2.3223	27,419,299,667.77	41,671,569,767.44	69,111,749,501.66
Chile	3.1754	533,153,356,576.20	997,357,770,354.91	1,530,522,917,745.30
China	2.4542	21,414,066,304,663.20	33,516,579,009,326.40	54,929,695,062,176.20
Colombia	3.5351	857,525,779,591.84	1,668,489,437,641.72	2,526,080,624,943.31
Comoros	4.6022	1,630,423,529.41	4,564,763,025.21	6,196,215,686.27
Congo	2.7951	35,639,448,197.34	47,225,085,768.50	82,858,703,605.31
Costa Rica	3.0568	94,556,210,141.99	162,631,626,774.85	257,188,910,344.83
Côte d'Ivoire	2.4188	63,547,985,641.03	129,142,941,538.46	192,673,030,427.35
Croatia	2.0166	105,665,446,153.85	140,519,986,425.34	246,188,665,158.37
Czech Rep.	1.7027	238,418,897,027.03	471,235,011,351.35	709,671,559,459.46
Denmark	1.6667	280,065,683,733.33	362,462,257,066.67	642,525,354,666.67
Djibouti	2.3333	2,761,971,666.67	6,285,166,666.67	9,047,190,000.00
Dominican Rep.	2.7879	147,994,491,666.67	279,360,181,818.18	427,339,859,090.91
Ecuador	2.9448	218,700,700,197.24	401,986,778,698.23	620,700,292,702.17
Egypt	1.8902	498,823,526,011.56	1,967,646,046,242.77	2,466,435,144,508.67
El Salvador	2.8685	69,460,482,785.30	108,126,304,061.90	177,580,255,319.15
Estonia	2.1250	41,864,943,750.00	52,218,260,937.50	94,081,515,937.50
Ethiopia	2.0120	154,396,858,433.74	214,807,834,337.35	369,316,903,915.66
Fiji	2.4965	6,197,307,692.31	16,028,123,076.92	22,224,669,230.77
Finland	1.7027	239,637,580,000.00	308,366,890,540.54	547,997,637,297.30
France	1.8986	2,843,495,391,304.35	3,982,335,725,217.39	6,825,872,544,057.97
Gabon	2.4188	39,806,818,803.42	57,216,901,880.34	97,027,182,564.10
Gambia	2.7951	4,642,354,838.71	6,287,297,153.70	10,927,362,808.35
Georgia	2.4542	33,538,165,112.26	69,765,295,682.21	103,311,920,552.68
Germany	1.7894	3,874,767,384,100.42	6,059,026,633,472.80	9,933,883,970,432.36
Ghana	2.4965	134,129,503,846.15	185,823,690,209.79	319,912,752,447.55
Greece	2.0441	305,279,478,843.23	530,013,632,876.71	835,294,441,400.30
Guatemala	3.5351	160,135,100,226.76	321,505,250,340.14	481,653,792,290.25
Guinea	2.3003	17,665,194,059.41	26,597,442,244.22	44,267,010,561.06
Guinea-Bissau	2.1008	2,410,510,697.67	3,349,395,348.84	5,760,269,767.44
Haiti	3.9020	34,515,884,313.73	48,230,132,352.94	82,742,303,921.57
Honduras	3.6512	46,562,981,395.35	109,288,186,046.51	155,852,477,209.30
Hungary	1.8169	253,606,653,239.44	341,975,740,281.69	595,583,439,718.31
Iceland	1.7027	12,216,444,324.32	19,065,048,648.65	31,281,712,432.43

Country	Curve Exponent	Curve Scale, female	Curve Scale, male	Curve Scale, both sexes
India	2.0257	4,166,138,369,137.67	15,344,541,264,145.20	19,511,403,751,891.10
Indonesia	2.2310	2,356,126,155,088.85	4,885,874,694,668.82	7,241,662,138,933.76
Iran	2.2415	518,892,208,752.03	2,857,858,818,800.65	3,376,798,337,763.37
Iraq	1.8944	205,184,416,787.27	1,163,726,082,489.15	1,368,887,285,383.50
Ireland	2.0441	169,284,615,525.11	301,382,513,242.01	470,664,416,438.36
Israel	2.2895	316,434,832,894.74	445,843,937,500.00	762,279,839,473.68
Italy	2.1250	2,185,700,969,687.50	4,040,818,525,000.00	6,226,537,845,937.50
Jamaica	2.6697	33,224,219,449.54	50,246,950,458.72	83,465,919,266.06
Japan	2.0303	4,428,362,380,606.06	9,729,638,138,181.82	14,158,006,650,000.00
Jordan	2.0960	31,706,888,544.89	223,603,790,712.07	255,303,624,148.61
Kazakhstan	1.8169	345,042,189,859.16	555,279,526,760.56	900,342,829,859.16
Kenya	2.8241	149,834,774,378.59	216,129,930,401.53	366,024,032,887.19
Korea, Rep.	1.8571	1,542,307,607,142.86	2,728,765,280,000.00	4,271,076,090,000.00
Kyrgyzstan	2.0030	18,810,876,876.88	31,526,773,873.87	50,328,227,027.03
Lao PDR	2.1596	40,887,142,496.05	52,190,424,644.55	93,066,034,123.22
Latvia	2.0675	63,587,806,748.47	75,944,301,226.99	139,533,606,748.47
Lesotho	3.2105	9,809,874,947.37	14,632,092,631.58	24,439,793,684.21
Liberia	2.2362	4,373,574,110.03	6,074,314,563.11	10,450,122,977.35
Lithuania	2.2051	102,202,901,282.05	127,356,163,461.54	229,555,147,435.90
Luxembourg	1.8902	31,837,879,768.79	58,137,988,439.31	89,976,381,502.89
Macedonia, FYR	2.5461	29,511,000,354.61	58,250,874,113.48	87,762,638,297.87
Madagascar	2.5778	45,341,681,574.24	64,011,580,679.79	109,333,661,538.46
Malawi	2.5651	18,970,759,358.29	22,717,208,556.15	41,708,333,333.33
Malaysia	2.7175	749,781,445,724.91	1,661,191,610,408.92	2,410,943,524,163.57
Maldives	2.1949	4,106,821,725.24	6,996,835,782.75	11,103,929,712.46
Mali	1.9851	20,709,330,149.25	47,787,041,194.03	68,469,397,910.45
Mauritania	2.3613	8,840,410,084.03	30,236,197,647.06	39,068,978,823.53
Mexico	2.7879	2,403,101,553,030.30	4,943,565,068,181.82	7,346,431,324,242.42
Moldova, Rep.	1.9851	22,977,797,014.93	29,496,994,925.37	52,474,552,835.82
Mongolia	2.1496	32,934,007,559.06	42,766,459,842.52	75,703,371,968.50
Morocco	2.3841	181,866,729,272.42	589,500,073,096.45	771,308,362,098.14
Mozambique	2.6832	45,664,797,790.06	50,521,600,000.00	96,198,791,160.22
Namibia	4.5402	47,850,464,265.93	69,359,375,069.25	117,206,706,371.19
Nepal	1.9762	79,264,608,035.71	102,278,578,571.43	181,511,056,547.62
Netherlands	1.7778	809,759,580,000.00	1,163,970,560,000.00	1,973,721,673,333.33
New Zealand	1.9851	182,698,517,014.93	255,360,382,089.55	438,057,911,044.78
Nicaragua	2.3613	29,144,011,764.71	58,047,734,453.78	87,191,304,201.68
Niger	2.0581	12,740,910,091.74	34,843,244,036.70	47,604,396,330.28
Nigeria	2.9063	1,354,734,576,562.50	2,276,001,525,000.00	3,630,323,050,390.62

Country	Curve Exponent	Curve Scale, female	Curve Scale, male	Curve Scale, both sexes
Norway	1.6954	386,837,173,584.91	481,812,052,560.65	868,645,615,633.42
Pakistan	1.8571	431,968,542,857.14	1,988,818,775,428.57	2,420,935,357,714.29
Palestine, State of	2.1008	10,907,862,635.66	58,413,172,093.02	69,328,119,069.77
Panama	3.1580	85,885,630,769.23	177,271,185,031.19	263,160,473,596.67
Paraguay	3.2017	84,826,971,428.57	131,809,978,991.60	216,644,680,672.27
Peru	2.8536	522,157,666,281.31	798,198,680,154.14	1,320,377,248,554.91
Philippines	2.5088	859,256,600,350.88	1,343,924,920,000.00	2,202,978,678,947.37
Poland	1.9718	967,075,233,283.80	1,473,201,576,820.21	2,440,297,427,043.09
Portugal	2.0303	295,756,890,909.09	479,914,074,848.49	775,677,130,303.03
Qatar	2.3956	79,267,460,101.87	797,264,650,594.23	876,530,364,346.35
Romania	1.7548	368,077,268,595.04	673,963,904,132.23	1,042,070,781,818.18
Russian Federation	2.3389	4,682,855,362,938.23	6,103,084,837,061.77	10,786,202,107,512.50
Rwanda	3.0650	30,940,419,512.20	36,230,304,878.05	67,164,347,560.98
Sao Tome and Principe	3.0650	794,706,097.56	1,645,668,292.68	2,440,743,902.44
Senegal	2.3501	39,614,281,407.04	63,094,474,371.86	102,697,245,226.13
Sierra Leone	2.0960	15,354,991,950.46	18,879,247,058.82	34,232,136,222.91
Slovakia	1.7027	147,178,675,675.68	226,028,977,297.30	373,206,127,567.57
Slovenia	1.9070	65,931,268,604.65	95,543,886,046.51	161,477,465,116.28
South Africa	4.4201	1,257,024,107,317.07	2,114,951,371,273.71	3,371,955,802,710.03
Spain	2.0628	1,707,731,497,396.63	2,684,755,556,508.42	4,392,453,436,447.17
Sri Lanka	2.1447	173,673,313,522.01	445,126,027,358.49	618,795,911,949.69
Sudan	2.0912	98,949,310,664.61	303,378,693,663.06	402,292,489,644.51
Suriname	3.2463	11,278,581,740.98	23,324,398,301.49	34,602,673,460.72
Swaziland	3.1237	9,758,877,525.77	18,769,062,268.04	28,524,668,041.24
Sweden	1.6667	487,400,170,400.00	615,228,594,666.67	1,102,616,242,933.33
Switzerland	2.0166	525,753,529,411.77	784,300,893,514.33	1,310,057,495,625.94
Syrian Arab Republic	2.1153	64,325,328,348.91	329,364,928,971.96	393,688,271,339.56
Tajikistan	1.8902	22,908,780,635.84	34,602,397,109.83	57,502,043,930.64
Tanzania, UR	2.2051	118,461,614,102.56	150,224,161,858.97	268,681,975,000.00
Thailand	2.3003	1,323,495,123,432.34	1,632,087,085,148.51	2,955,539,016,501.65
Togo	2.2949	11,362,402,635.91	13,989,129,489.29	25,358,790,774.30
Tunisia	2.1299	82,462,192,488.26	276,832,319,248.83	359,322,253,521.13
Turkey	2.3333	1,120,296,809,333.33	3,473,400,926,000.00	4,593,624,285,666.67
Uganda	2.5907	78,522,548,294.43	101,606,389,946.14	180,135,840,215.44
Ukraine	1.6882	422,943,145,161.29	576,005,317,741.94	999,023,500,000.00
United Kingdom	2.1250	2,761,003,661,250.00	4,144,882,877,500.00	6,905,927,414,375.00
United States	2.3333	22,645,636,010,666.70	33,158,701,164,333.30	55,804,040,052,000.00
Uruguay	2.6563	88,799,143,327.24	136,778,917,733.09	225,578,672,029.25
Uzbekistan	2.1596	164,451,940,284.36	313,423,512,164.30	477,846,890,047.39

Country	Curve Exponent	Curve Scale, female	Curve Scale, male	Curve Scale, both sexes
Venezuela, BR	2.6232	654,960,262,318.84	1,225,131,586,956.52	1,880,165,030,434.78
Viet Nam	2.1056	597,258,152,173.91	795,647,962,732.92	1,392,849,632,298.14
Yemen	2.2103	68,966,869,983.95	240,159,024,077.05	309,108,163,723.92
Zambia	3.7059	80,377,690,352.94	117,905,736,470.59	198,272,295,529.41

4. Basic Summary

4.1.a. Countries with GNI per capita Difference between F-M Less than \$1,000

Country	Gini Coefficient	GDP per Capita	Curve Exponent	GNIpC, female	GNIpC, male	Difference (female - male)	Ratio (female / male)
Benin	0.386	1,687	2.2573	1,455	1,999	-544	72.79%
Burkina Faso	0.398	1,528	2.3223	1,335	1,871	-536	71.35%
Burundi	0.333	737	1.9985	685	815	-130	84.05%
Cambodia	0.360	2,789	2.1250	2,410	3,220	-810	74.84%
Cameroon	0.389	2,551	2.2733	2,062	3,052	-990	67.56%
Central African Rep.	0.563	964	3.5767	482	698	-216	69.05%
Chad	0.398	2,003	2.3223	1,289	1,953	-664	66.00%
Ethiopia	0.336	1,218	2.0120	1,090	1,515	-425	71.95%
Gambia	0.473	1,565	2.7951	1,309	1,811	-502	72.28%
Guinea	0.394	1,216	2.3003	913	1,370	-457	66.64%
Guinea-Bissau	0.355	1,164	2.1008	907	1,275	-368	71.14%
Haiti	0.592	1,575	3.9020	1,349	1,930	-581	69.90%
Kenya	0.477	2,109	2.8241	1,763	2,554	-791	69.03%
Liberia	0.382	782	2.2362	634	868	-234	73.04%
Madagascar	0.441	1,378	2.5778	1,102	1,566	-464	70.37%
Malawi	0.439	739	2.5651	652	777	-125	83.91%
Mozambique	0.457	971	2.6832	939	1,086	-147	86.46%
Nepal	0.328	2,131	1.9762	1,857	2,554	-697	72.71%
Niger	0.346	884	2.0581	471	1,268	-797	37.15%
Rwanda	0.508	1,379	3.0650	1,263	1,550	-287	81.48%
Sierra Leone	0.354	1,586	2.0960	1,617	2,016	-399	80.21%
Tajikistan	0.308	2,320	1.8902	1,939	2,906	-967	66.72%
Tanzania, UR	0.376	1,654	2.2051	1,501	1,903	-402	78.88%
Togo	0.393	1,286	2.2949	998	1,263	-265	79.02%
Uganda	0.443	1,334	2.5907	1,167	1,502	-335	77.70%

Note: These countries are basically low income countries where GDP per capita is less than \$10,000

4.1.b. Countries with GNI per capita Difference between F-M Greater than \$20,000

Country	Gini Coefficient	GDP per Capita,	Curve Exponent	GNIpC, female	GNIpC, male	Difference (female - male)	Ratio (female / male)
Austria	0.292	43,139	1.8249	25,170	61,543	-36,373	40.90%
Germany	0.283	41,966	1.7894	32,976	53,499	-20,523	61.64%
Italy	0.360	33,668	2.1250	22,303	43,640	-21,337	51.11%
Japan	0.340	35,006	2.0303	22,384	51,906	-29,522	43.12%
Luxembourg	0.308	86,587	1.8902	41,351	76,196	-34,845	54.27%
Qatar	0.411	133,713	2.3956	45,863	141,468	-95,605	32.42%
Switzerland	0.337	51,293	2.0166	42,561	65,278	-22,717	65.20%
United States	0.400	50,859	2.3333	41,792	63,163	-21,371	66.17%

Note: These countries are basically high income countries where GDP per capita is greater than \$25,000

4.2.a. Countries with GNI per capita Ratio F over M Greater than 75%

Country	Gini Coefficient	GDP per Capita	Curve Exponent	GNIpC, female	GNIpC, male	Difference (female - male)	Ratio (female / male)
Burundi*	0.333	737	1.9985	685	815	-130	84.05%
Congo*	0.473	5,631	2.7951	4,222	5,597	-1,375	75.43%
Denmark●	0.250	41,524	1.6667	37,102	48,746	-11,644	76.11%
Finland●	0.260	38,104	1.7027	32,123	42,795	-10,672	75.06%
Lao PDR*	0.367	4,388	2.1596	3,806	4,902	-1,096	77.64%
Malawi*	0.439	739	2.5651	652	777	-125	83.91%
Mongolia	0.365	8,288	2.1496	7,299	9,654	-2,355	75.61%
Mozambique*	0.457	971	2.6832	939	1,086	-147	86.46%
Norway●	0.258	62,858	1.6954	56,994	70,807	-13,813	80.49%
Rwanda*	0.508	1,379	3.0650	1,263	1,550	-287	81.48%
Sierra Leone*	0.354	1,586	2.0960	1,617	2,016	-399	80.21%
Sweden●	0.250	41,840	1.6667	38,071	48,365	-10,294	78.72%
Tanzania, UR*	0.376	1,654	2.2051	1,501	1,903	-402	78.88%
Thailand	0.394	13,586	2.3003	11,728	15,069	-3,341	77.83%
Togo*	0.393	1,286	2.2949	998	1,263	-265	79.02%
Uganda*	0.443	1,334	2.5907	1,167	1,502	-335	77.70%

Note: * Low income countries with GDP per Capita less than \$10,000, ● High Income Countries with GDP per Capita greater than \$25,000

4.2.b. Countries with GNI per capita Ratio F over M Less than 30%

Country	Gini Coefficient	GDP per Capita	Curve Exponent	GNIpC, female	GNIpC, male	Difference (female - male)	Ratio (female / male)
Afghanistan*	0.278	1,892	1.7701	503	3,265	-2,762	15.41%
Egypt	0.308	10,685	1.8902	4,225	16,522	-12,297	25.57%
India*	0.339	5,050	2.0257	2,277	7,833	-5,556	29.07%
Iran	0.383	15,461	2.2415	4,159	22,631	-18,472	18.38%
Iraq	0.309	14,527	1.8944	4,246	23,555	-19,309	18.03%
Jordan	0.354	11,340	2.0960	2,875	19,459	-16,584	14.77%
Mauritania*	0.405	2,938	2.3613	1,362	4,592	-3,230	29.66%
Pakistan*	0.300	4,360	1.8571	1,707	7,439	-5,732	22.95%
Palestine, State of	0.355	-	2.1008	1,651	8,580	-6,929	19.24%
Syrian Arab Republic*	0.358	1,896	2.1153	1,922	9,478	-7,556	20.28%
Tunisia	0.361	10,612	2.1299	4,751	16,226	-11,475	29.28%
Yemen*	0.377	3,996	2.2103	1,775	6,080	-4,305	29.19%

Note: * Low income countries with GDP per Capita less than \$10,000

4.3.a. Countries with GINI Coefficient Less than .3

Country	Gini Coefficient	GDP per Capita	Curve Exponent	GNIpC, female	GNIpC, male	Difference (female - male)	Ratio (female / male)
Afghanistan*	0.278	1,892	1.7701	503	3,265	-2,762	15.41%
Austria●	0.292	43,139	1.8249	25,170	61,543	-36,373	40.90%
Belarus	0.265	16,868	1.7211	12,655	20,730	-8,075	61.05%
Bulgaria	0.282	15,738	1.7855	12,539	18,430	-5,891	68.04%
Czech Rep. ●	0.260	26,733	1.7027	16,233	33,098	-16,865	49.05%
Denmark●	0.250	41,524	1.6667	37,102	48,746	-11,644	76.11%
Finland●	0.260	38,104	1.7027	32,123	42,795	-10,672	75.06%
Germany●	0.283	41,966	1.7894	32,976	53,499	-20,523	61.64%
Hungary●	0.290	22,146	1.8169	17,233	25,663	-8,430	67.15%
Iceland●	0.260	38,553	1.7027	27,612	42,520	-14,908	64.94%
Kazakhstan	0.290	21,506	1.8169	14,369	24,902	-10,533	57.70%
Netherlands●	0.280	42,453	1.7778	34,497	50,432	-15,935	68.40%
Norway●	0.258	62,858	1.6954	56,994	70,807	-13,813	80.49%
Romania	0.274	17,234	1.7548	12,005	23,148	-11,143	51.86%
Slovakia●	0.260	25,537	1.7027	19,450	31,554	-12,104	61.64%
Sweden●	0.250	41,840	1.6667	38,071	48,365	-10,294	78.72%
Ukraine*	0.256	8,332	1.6882	6,450	10,279	-3,829	62.75%

Note: * Low income countries with GDP per Capita less than \$10,000, • High Income Countries with GDP per Capita greater than \$25,000

4.3.b. Countries with GINI Coefficient Greater than .5

Country	Gini Coefficient	GDP per Capita	Curve Exponent	GNIpC, female	GNIpC, male	Difference (female - male)	Ratio (female / male)
Belize*	0.531	8,438	3.2644	6,163	12,571	-6,408	49.03%
Bolivia*	0.563	5,650	3.5767	4,406	6,701	-2,295	65.75%
Brazil	0.547	14,301	3.4150	10,851	17,813	-6,962	60.92%
Cape Verde*	0.505	6,311	3.0404	4,266	8,480	-4,214	50.31%
Central African Rep. *	0.563	964	3.5767	482	698	-216	69.05%
Chile	0.521	21,099	3.1754	14,339	27,410	-13,071	52.31%
Colombia	0.559	11,687	3.5351	7,698	15,485	-7,787	49.71%
Comoros*	0.643	1,493	4.6022	798	2,201	-1,403	36.26%
Costa Rica	0.507	13,091	3.0568	9,719	16,204	-6,485	59.98%
Guatemala*	0.559	6,990	3.5351	4,456	9,397	-4,941	47.42%
Haiti*	0.592	1,575	3.9020	1,349	1,930	-581	69.90%
Honduras*	0.570	4,423	3.6512	2,474	5,800	-3,326	42.66%
Lesotho*	0.525	2,368	3.2105	2,217	3,395	-1,178	65.30%
Namibia*	0.639	9,136	4.5402	7,288	11,196	-3,908	65.09%
Panama	0.519	16,655	3.1580	10,798	21,850	-11,052	49.42%
Paraguay*	0.524	7,215	3.2017	5,984	9,150	-3,166	65.40%
Rwanda*	0.508	1,379	3.0650	1,263	1,550	-287	81.48%
Sao Tome and Principe*	0.508	2,837	3.0650	2,001	4,248	-2,247	47.10%
South Africa	0.631	11,989	4.4201	8,539	15,233	-6,694	56.06%
Suriname	0.529	15,174	3.2463	9,874	20,329	-10,455	48.57%
Swaziland*	0.515	5,912	3.1237	3,738	7,384	-3,646	50.62%

Note: * Low income countries with GDP per Capita less than \$10,000

4.4. Correlation between Gini Coefficient, GDP per Capita, GNI per Capita F/M Ratio

As you can see in table 4.1.a and 4.1.b, merely comparing differences between female and male income seems not proper because the difference depends the country's income range. That is, the lower the average income is, the lower the difference in income between female and male is. Therefore, it seems more proper to deal with female / male ratio.

29 countries among the surveyed countries have GDP per capita above \$25,000, and among them, 10 countries has Gini coefficient below 0.3, but no country has Gini coefficient above 0.5. On the other hand, there are 74 countries with GDP per capita below \$10,000, among them, 15 countries has Gini coefficient above 0.5 and 3 countries has below 0.3.

4.4.a. The Number of Countries by GDP per Capita and Gini Coefficient

Countries with GDP per capita	Number of Countries (%)	Gini below 0.3 (%)	Gini 0.3 – 0.5 (%)	Gini above 0.5 (%)
Above \$40,000	13 (9.3%)	5 (38.5%)	8 (61.5%)	0 (-)
\$25,- ~ \$40,-	16 (11.4%)	5 (31.3%)	11 (68.7%)	0 (-)
\$10,- ~ \$25,-	37 (26.4%)	5 (13.5%)	25 (67.6%)	7 (18.9%)
\$5,- ~ \$10,-	26 (18.6%)	1 (3.8)	18 (69.3%)	7 (26.9)
\$3,- ~ \$5,-	10 (7.1%)	1 (10.0%)	8 (80.0%)	1 (10.0%)
Below \$3,000	38 (27.1%)	1 (2.6%)	29 (78.9%)	7 (18.4%)
Above \$25,000	29 (20.7%)	10 (34.5%)	19 (65.5%)	0 (-)
Above \$10,000	66 (47.1%)	16 (24.2%)	43 (65.2%)	7 (10.6%)
Below \$10,000	74 (52.9%)	3 (4.0%)	56 (75.7%)	15 (20.3%)
Total	140 (100.0%)	18 (12.9%)	99 (70.7%)	22 (16.4%)

As you can see in the table 4.4.a., the portion of countries with Gini coefficient below 0.3 is decreasing as GDP per capita decreasing, and the portion of countries with Gini coefficient above 0.5 is increasing “overall” as GDP per capita decreasing. Actually, there exist no arithmetically explainable correlation between GDP and Gini coefficient, yet it is sure that there is a particular trend between two variables.

4.4.b. The Number of Countries by Gini Coefficient and F/M Income Ratio

Countries with Gini Coefficient	No. of Countries (%)	F/M Ratio below .3 (%)	F/M Ratio .3 - .5 (%)	F/M Ratio .5 - .75 (%)	F/M Ratio above .75 (%)
Above .5	22 (15.6%)	0 (-)	8 (36.4%)	13 (59.1%)	1 (4.5%)
.4 ~ .5	33 (23.4%)	1 (3.0%)	7 (21.2%)	21 (63.6%)	4 (12.1%)
.3 ~ .4	67 (47.5%)	9 (13.5%)	8 (11.9%)	43 (64.2%)	7 (10.4%)
Below .3	19 (13.5%)	2 (10.5%)	2 (10.5%)	11 (57.9%)	4 (21.1%)
Total	141 (100.0%)	12 (8.5%)	25 (17.7%)	88 (62.5%)	16 (11.3%)

In the table 4.4.b., although there is variance, as the Gini coefficient decreases, female / male income ratio dispersion becomes smooth.

4.4.c. The Number of Countries by GDP per Capita and F/M Income Ratio

Countries with GDP per capita	No. of Countries (%)	F/M Ratio below .3 (%)	F/M Ratio .3 - .5 (%)	F/M Ratio .5 - .75 (%)	F/M Ratio above .75 (%)
Above \$40,-	13 (9.3%)	0 (-)	2 (15.4%)	8 (61.5%)	3 (23.1 %)
\$25,- ~ \$40,-	16 (11.4%)	0 (-)	2 (12.5%)	13 (81.2%)	1 (6.3%)
\$10,- ~ \$25,-	37 (26.4%)	5 (13.5%)	6 (16.2%)	25 (67.6%)	1 (2.7%)
\$5,- ~ \$10,-	26 (18.6%)	1 (3.8%)	7 (26.8%)	16 (61.5%)	2 (7.7%)
\$3,- ~ \$5,-	10 (7.2%)	2 (20.0%)	3 (30.0%)	4 (40.0%)	1 (10.0%)
Below \$3,-	38 (27.1%)	3 (7.9%)	5 (13.2%)	22 (57.8%)	8 (21.1%)
Above \$25,-	29 (20.7%)	0 (-)	4 (13.8%)	21 (72.4%)	4 (13.8%)
Above \$10,-	66 (47.1%)	5 (7.6%)	10 (15.2%)	46 (69.6%)	5 (7.6%)
Below \$10,-	74 (52.9%)	6 (8.1%)	15 (20.3%)	42 (56.8%)	11 (14.8%)
Total	140 (100.0%)	11 (7.8%)	25 (17.9%)	88 (62.9%)	16 (11.4%)

In the table 4.4.c., you can find out that there is no country with female/male income ratio below .3 and GDP per capita above \$25,000. Interestingly, female people are paid more equally in countries with GDP per capita below \$3,000, but it seems due to their low income.

5. Summary for Republic of Korea

5.1. Basic Information

- **Gini Coefficient** 0.300 (2013, OECD)
- **GDP per capita** PPP\$ 29,495
- **GNI per capita, female** PPP\$ 21,795
- **GNI per capita, male** PPP\$ 38,990
- **GNI per capita, both sexes** PPP\$ 30,345
- **GNI per capita Difference (female – male)** PPP\$ 17,195
- **GNI per capita Ratio (female / male)** 55.90%
- **GNI, female** PPP\$ 539,807,662,500
- **GNI, male** PPP\$ 955,067,848,000
- **GNI, both sexes** PPP\$ 1,494,876,631,500
- **GNI Difference (female – male)** PPP\$ 415,260,185,500
- **GNI Ratio (female / male)** 56.52%

5.2. Comparisons with other countries

- Countries with similar GDP per Capita (\$25,000 ~ \$35,000): Czech Republic (\$26,733), Greece (\$25,391), Israel (\$30,600), Italy (\$33,668), Japan (\$35,006), New Zealand (\$32,360), Portugal (\$25,096), Slovakia (\$25,537), Slovenia (\$27,394), Spain (\$31,198), United Kingdom (\$34,594)
- Countries geographically adjacent: South-East Asia (Cambodia, Lao, Malaysia, Philippines, Thailand, Viet Nam), East Asia (China, Japan, Mongolia, Russia)

5.2.a. Gini, GDP per capita, and GNI per capita

Countries	Gini Coefficient	GDP per capita	GNI per capita, female	GNI per capita, male	GNI per capita, both sexes	GNIpC Diff. (female – male)	GNIpC Ratio (female / male)
Japan●	0.340	35,006	22,384	51,906	36,747	-29,522	43.12%
United Kingdom●	0.360	34,694	27,589	42,632	35,002	-15,043	64.71%
Italy●	0.360	33,668	22,303	43,640	32,669	-21,337	51.11%
New Zealand●	0.330	32,360	26,694	38,656	32,569	-11,962	69.06%
Spain●	0.347	31,198	23,487	37,804	30,561	-14,317	62.13%
Israel●	0.392	30,600	24,636	35,402	29,966	-10,766	69.59%
Korea, Rep. ●	0.300	29,495	21,795	38,990	30,345	-17,195	55.90%
Slovenia●	0.312	27,394	21,762	31,916	26,809	-10,154	68.19%
Czech Rep. ●	0.260	26,733	16,233	33,098	24,535	-16,865	49.05%
Slovakia●	0.260	25,537	19,450	31,554	25,336	-12,104	61.64%
Greece●	0.343	25,391	17,791	31,707	24,658	-13,916	56.11%
Portuga●	0.340	25,096	17,846	30,817	24,130	-12,971	57.91%
Russian Federation	0.401	23,184	18,228	27,741	22,617	-9,513	65.71%
Malaysia	0.462	21,897	13,187	30,984	21,824	-17,797	42.56%
Thailand	0.394	13,586	11,728	15,069	13,364	-3,341	77.83%
China	0.421	10,771	9,288	13,512	11,477	-4,224	68.74%
Mongolia*	0.365	8,288	7,299	9,654	8,466	-2,355	75.61%
Philippines*	0.430	6,005	4,987	7,771	6,381	-2,784	64.17%
Viet Nam*	0.356	4,912	4,147	5,655	4,892	-1,508	73.33%
Lao PDR*	0.367	4,388	3,806	4,902	4,351	-1,096	77.64%
Cambodia*	0.360	2,789	2,410	3,220	2,805	-810	74.84%

5.2.b. Gini, GDP per capita, and GNI

Countries	Gini Coefficient	GDP per Capita,	GNI, female	GNI, male	GNI, both sexes	GNI Difference (female – male)	GNI Ratio (female / male)
Japan●	0.340	35,006	18,676,295,000	23,781,954,000	42,454,236,000	-5,105,659,000	78.53%
United Kingdom●	0.360	34,694	6,199,372,195,200	9,703,049,623,200	15,902,146,720,500	-3,503,677,428,000	63.89%
Italy●	0.360	33,668	88,214,991,900	174,356,954,200	262,578,477,000	-86,141,962,300	50.59%
New Zealand●	0.330	32,360	100,284,308,800	174,109,478,400	274,394,224,000	-73,825,169,600	57.60%
Spain●	0.347	31,198	96,196,189,200	135,536,557,000	231,733,071,200	-39,340,367,800	70.97%
Israel●	0.392	30,600	699,424,310,300	1,293,061,928,000	1,992,492,110,700	-593,637,617,700	54.09%
Korea, Rep. ●	0.300	29,495	1,461,359,585,600	3,210,780,585,600	4,672,142,194,500	-1,749,421,000,000	45.51%
Slovenia●	0.312	27,394	539,807,662,500	955,067,848,000	1,494,876,631,500	-415,260,185,500	56.52%
Czech Rep. ●	0.260	26,733	12,940,780,600	16,518,269,400	29,455,399,800	-3,577,488,800	78.34%
Slovakia●	0.260	25,537	201,691,208,900	446,860,543,200	648,543,808,000	-245,169,334,300	45.14%
Greece●	0.343	25,391	10,456,547,400	13,578,351,000	24,035,820,600	-3,121,803,600	77.01%
Portugal●	0.340	25,096	61,204,003,200	85,545,728,000	146,749,400,200	-24,341,724,800	71.55%
Russian Federation	0.401	23,184	244,888,131,100	383,018,602,200	627,848,923,500	-138,130,471,100	63.94%
Malaysia	0.462	21,897	97,599,774,000	158,371,644,700	255,973,453,000	-60,771,870,700	61.63%
Thailand	0.394	13,586	1,402,515,181,200	1,827,873,908,700	3,230,467,531,200	-425,358,727,500	76.73%
China	0.421	10,771	54,456,110,000	83,630,721,600	138,086,267,200	-29,174,611,600	65.11%
Mongolia*	0.365	8,288	22,680,356,400	32,867,096,800	55,548,248,000	-10,186,740,400	69.01%
Philippines*	0.430	6,005	557,574,333,900	876,572,689,200	1,434,136,047,000	-318,998,355,300	63.61%
Viet Nam*	0.356	4,912	401,019,022,400	494,522,386,800	895,528,322,000	-93,503,364,400	81.09%
Lao PDR*	0.367	4,388	883,521,171,600	1,326,362,520,800	2,209,896,772,600	-442,841,349,200	66.61%
Cambodia*	0.360	2,789	192,317,125,000	256,198,644,000	448,497,581,600	-63,881,519,000	75.07%