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Scrapping PovcalNet’s Distributions for Poverty Research

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Abstract

Using materials and methods already made publicly available by Dykstra et al. [2014b,a], I follow up their work and hereby make available the latest distributional data from World Bank’s PovcalNet as of October 2nd, 2018. These data are used in the poverty estimates by the PovcalNet interactive online tool. Having these data locally, an independent scholar can experiment with extensive poverty line configurations that PovcalNet is impossible to accommodate at its present version.

1 Introduction

PovcalNet is an interactive online tool that allows one either to replicate the global poverty headcount estimates of the World Bank (hereafter also refer to as the Bank) at a preferred international poverty line (iPL), or to estimate poverty rates for a set of countries again at a preferred iPL.¹ PovcalNet’s founder is Martin Ravallion (former World Bank researcher), and it is currently maintained by a number of World Bank staff members including Qinghua Zhao (design), Shaohua Chen, Dean Jolliffe, Christoph Lakner, Espen B. Prydz and Prem Sangraula (all management), Kihoon Lee (assistance), and Liang Yu (assistance), operating under the auspices of Global Poverty Working Group.²

To make the various poverty estimations PovcalNet has access to the underlying distributional datasets from a large set of countries and territories.

*I would like to thank Frans de Liagre Böhl for his help regarding the various IPR issues involved and in explaining the Yoda environment to me more intuitively. All errors are mine. Correspondence to m.moatsos@uu.nl. Please cite this work as: Moatsos, M., 2018, Scrapping PovcalNet’s Distributions for Poverty Research [data set]. doi:10.24416/UU01-AMUFCE

¹Weirdly, in writing this short note, I was not able to locate the date when PovcalNet aired.

²More details can be found here, PovcalNet.

Unlike the vast majority of the data found at the World Banks data portal, consumption or income distributions are not readily available for downloading. This creates a problem for independent researchers to estimate global poverty with different methods and then compare results with those of the Bank's. For example, the global poverty results one gets directly from PovcalNet necessitate the assumption of purchasing power parity (PPP) equivalence.³ This is a strong assumption that cannot be taken as valid on its face value, and a long line of critics exist, for example Reddy and Pogge [2010] among many others.⁴

Following the great work by Dykstra et al. [2014b,a], I replicate here their approach around 4 years since their "jailbreak" as they call it. In this in between period a lot more distributions and more countries are added, as well as the new 2011 PPPs. Dykstra et al. count around 940 distributions, while now PovcalNet contains a bit less than 1700. Of course there are only a limited number of things one can do without the raw distributional data. For example, with the distributional data that are becoming available via web scrapping, one cannot change the equivalence scales used in the raw data coming from the household surveys per se.⁵

Lastly, I have to thank Dykstra et al. for making the distributional data available back in 2014, I am simply following their steps by releasing what I have gathered by updating their scripts for my own research in global poverty. The retrieved distributions allowed me to make my results as comparable to those made by the Bank, as well as to allow me to calculate confidence intervals using Monte Carlo techniques [Moatsos and Lazopoulos, 2019]. Without the data stored locally, such process would have taken months and months to complete.

2 The Data

The distributional data cover 175 countries and territories, with a total of 1673 distributions [The World Bank, 2018]. As Dykstra et al. [2014b] also warn, a large part of those distributions do not represent the actual data points from the underlying household surveys, but they are fitted distributions upon the original data. Table 6.1 below provides an overview of the years, type of distribution, and countries available. For almost all countries, PovcalNet seems to have access to the entire underlying distribution, with one exception.⁶ Given that these data were scrapped from the World Bank with the purpose of estimating poverty headcount rates, the maximum value in each distribution is relatively low, and currently stands at \$20.239 per day, at a \$0.001 step and a separate one with

³See Deaton [2005]; Deaton and Heston [2010] for relevant discussions.

⁴See my alternative estimates based on a cost of basic needs approach in Moatsos [2016].

⁵This is perhaps an important consideration particularly for Sub-Saharan Africa. See Atkinson [2016] for a discussion.

⁶Guinea-Bissau's 1991 distribution of is limited to \$5.68 at maximum, at which point a poverty rate of 82.13% obtains.

\$0.01 step;⁷ later versions will offer the distributions up to a higher threshold.⁸

The data files' headers are as follows (column names in parenthesis): the country (country), the year of the distribution (year), the type of the distributional data (type, see table 6.1 for an explanation of each type), the poverty line as reported from PovcalNet (poverty_line), percent of people below the stated poverty line (headcount), and the poverty line requested by the script during scrapping (PLasked, note that this is not always in agreement with the poverty_line reported by the website.):

3 The Scripts: how-to

Apart from the datasets mentioned above this Yoda datapackage contains the scripts written in Python programming language⁹ that can be used to download the data from PovcalNet, for example when new data become available. One script¹⁰ downloads the requested points from all the distributions for all countries. The requested points are defined in a separate csv file on a dedicated folder.¹¹ The results of your scrapping from PovcalNet will also appear in that same folder in a file named AllDistros.csv, which is created by the script automatically. If you run the scripts on your own you will have to clean them up as the headline of the table is present many times across the dataset.¹²

There are two other scripts (and their dedicated folders) also present in this entry.¹³ These scripts download the global poverty rates for 1990 or 2015 for a span of international poverty lines between \$0 and \$9.999 at a step of \$0.001.¹⁴

4 Intellectual property remarks

The data accessible by the World Bank's portal are provided under the Creative Commons Attribution 4.0 International License (CC BY 4.0), with a couple of

⁷Full data are contained in file AllDistros.csv and the version with the smaller step is AllDistros_2decimals.csv, which may be useful for faster loading.

⁸The detailed metadata as deposited at the Yoda repository can be found in the appendix section 6.2.

⁹Tested only for Python v3.4.

¹⁰PovcalNetGetAllDistros2011.py

¹¹In folder PovcalNetGetAllDistros2011 look for file ListOfDollarMarksLow.csv. Changing the entries in this csv file gives you points from the distribution at your points of preference. Currently those points are from 0 up to \$20.239 per day, at a \$0.001 step.

¹²This can be done easily with an R script for instance, or using OpenRefine for example.

¹³Scripts are PovcalNetAggrPovRates2011_1990.py and PovcalNetAggrPovRates2011_1990.py, and their dedicated folders have the same name without the ".py" extension. Again, the requested points are defined in a separate csv file on each dedicated folder for each of these two scripts. This time the points requested span from 0 to \$9.999. To change that simply edit the ListOfDollarMarksLow.csv in the respective folder with your preferred points.

¹⁴Simply changing the year in line 254 can provide you with the data from a different year. Do note that those years can only be among those listed in the World Bank's PovcalNet aggregates. At the time of writing those years are: 1981, 1984, 1987, 1989, 1990, 1993, 1996, 1999, 2002, 2005, 2008, 2010, 2011, 2012, 2013, 2015. However, the scripts have been tested only for 1990 and 2015.

additional terms as their respective terms of use page stipulates. The additional terms require attribution to the The World Bank as follows:

”You agree to provide attribution to The World Bank and its data providers in the following format: The World Bank: Dataset name: Data source (if known). When sharing or facilitating access to the Datasets, you agree to include the same acknowledgment requirement in any sub-licenses of the data that you grant, and a requirement that any sub-licensees do the same. You may meet this requirement by providing the uniform resource locator (URL) of these terms of use.”

Since no additional requirements are specified on the PovcalNet website, properly respecting the attribution requirement on top of the CC BY 4.0 license above, and two other added clauses found here, allows further propagation of the data from channels other those managed by the Bank.¹⁵

5 Conclusions

Please use the provided data with the restrictions described above and those in the licenses here and heretheilaburltolicense. Finally, do note that [Ravallion, 2016, p.352] implies the PovcalNet data are part of a larger and more detailed dataset called the International Income Distribution Database (I2D2) that is available only to the World Bank researchers name.¹⁶ This database is until now not publicly accessible, and no easily traceable approach to get or being denied access to that data can be found on the World Bank’s portal.¹⁷

6 Appendix

6.1 Distributions

Table 5.1. All PovcalNet Distributions. Numbers in parenthesis after year stand for the type of available distribution: (c) ”Welfare is measured using consumption (unit record data)”; (C) ”Welfare is measured using consumption (grouped data)”; (i) ”Welfare is measured using income (unit record data)”; (I) ”Welfare is measured using income (grouped data)”.

ID	Country	Distributions
1	Albania	2012(c), 2008(c), 2005(c), 2002(c), 1996(c)
2	Algeria	2011.17(C), 1995(C), 1988(C)

continued ...

¹⁵With respect to issues concerning anonymity of the underlying data see the corresponding discussions in Dykstra et al. [2014b,a].

¹⁶At the time of the writing I2D2 was not publicly available, but this will hopefully change soon.” [Ravallion, 2016, p.352, fn.56]

¹⁷Last accessed October 30th, 2018.

... table 5.1 continued

ID	Country	Distributions
3	Angola	2008.5(c), 2000.21(c)
4	Argentina– Urban	2016(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1999(i), 1998(i), 1997(i), 1996(i), 1995(i), 1994(i), 1993(i), 1992(i), 1991(i), 1987(I), 1986(I)
5	Armenia	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 1999(c), 1996(I)
6	Australia	2010(i), 2008(i), 2003(i), 2001(i), 1995(i), 1989(i), 1985(i), 1981(i)
7	Austria	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
8	Azerbaijan	2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 1995(c)
9	Bangladesh	2016(c), 2010(c), 2005(c), 2000(c), 1995.5(c), 1991.5(c), 1988.5(C), 1985.5(C), 1983.5(C)
10	Belarus	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1995(I), 1993(I)
11	Belgium	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
12	Belize	1999(i), 1998(i), 1997(i), 1996(i), 1995(c), 1994(i), 1993(i)
13	Benin	2015(c), 2011.33(c), 2003(c)
14	Bhutan	2017(c), 2012(c), 2007(c), 2003(c)
15	Bolivia	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2002(i), 2001(i), 2000(i), 1999(i), 1997(i), 1990.5(I)
16	Bosnia and Herzegovina	2015(c), 2011(c), 2007(c), 2004(c), 2001(c)
17	Botswana	2009.25(c), 2002.53(c), 1993.33(C), 1985.57(C)
18	Brazil	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 1999(i), 1998(i), 1997(i), 1996(i), 1995(i), 1993(i), 1992(i), 1990(i), 1989(i), 1988(i), 1987(i), 1986(i), 1985(i), 1984(i), 1983(i), 1982(i), 1981(i)
19	Bulgaria	2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(c), 2007(i), 2006(i), 2003(c), 2001(c), 1997(C), 1995(c), 1994(C), 1992(I), 1989(C)
20	Burkina Faso	2014(c), 2009(c), 2003(c), 1998(c), 1994.25(c)
21	Burundi	2013.5(c), 2006(c), 1998.5(c), 1992(C)
22	Cabo Verde	2007.33(c), 2001.77(c)
23	Cameroon	2014(c), 2007(c), 2001(c), 1996(c)

continued ...

... table 5.1 continued

ID	Country	Distributions
24	Canada	2013(i), 2010(i), 2007(i), 2004(i), 2000(i), 1998(i), 1997(i), 1994(i), 1991(i), 1987(i), 1981(i)
25	Central African Republic	2008(c), 2003(c), 1992.43(C)
26	Chad	2011(c), 2003(c)
27	Chile	2015(i), 2013(i), 2011(i), 2009(i), 2006(i), 2003(i), 2000(i), 1998(i), 1996(i), 1994(i), 1992(i), 1990(i), 1987(i)
28	China–Rural	2015(C), 2014(C), 2013(C), 2012(C), 2011(C), 2010(C), 2008(C), 2005(C), 2002(C), 1999(C), 1996(C), 1993(C), 1990(C)
29	China–Urban	2015(C), 2014(C), 2013(C), 2012(C), 2011(C), 2010(C), 2008(C), 2005(C), 2002(C), 1999(C), 1996(C), 1993(C), 1990(C)
30	Colombia	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1999(i), 1996(i), 1992(i)
31	Colombia–Urban	1991(I), 1989(I), 1988(I)
32	Comoros	2013.5(c), 2004(c)
33	Congo, Democratic Republic of	2012.4(c), 2004.89(c)
34	Congo, Republic of	2011(c), 2005(c)
35	Costa Rica	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1999(i), 1998(i), 1997(i), 1996(i), 1995(i), 1994(i), 1993(i), 1992(i), 1991(i), 1990(i), 1989(i), 1986(I), 1981(I)
36	Cote d’Ivoire	2015(c), 2008(c), 2002(c), 1998(c), 1995(c), 1992.57(c), 1988.33(c), 1987.17(c), 1986.08(c), 1985.08(c)
37	Croatia	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(c), 2010(i), 2009(c), 2009(i), 2008(c), 2004(c), 2001(C), 2000(C), 1999(C), 1998(c), 1988(I)
38	Cyprus	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i)
39	Czech Republic	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 1996(I), 1993(I)
40	Denmark	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
41	Djibouti	2013(c), 2012(c), 2002(c)

continued ...

... table 5.1 continued

ID	Country	Distributions
42	Dominican Republic	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1997(i), 1996(i), 1992(I), 1989(I), 1986(I)
43	Ecuador	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2000(i), 1999(i), 1998(i), 1994(i), 1987(I)
44	Ecuador–Urban	1995(i)
45	Egypt, Arab Republic of	2015(c), 2012.49(c), 2010.49(c), 2008.24(c), 2004.49(c), 1999.75(C), 1995.75(C), 1990.5(C)
46	El Salvador	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1999(i), 1998(i), 1996(i), 1995(i), 1991(i), 1989(I)
47	Estonia	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(c), 2004(i), 2003(c), 2003(i), 2002(c), 2001(c), 2000(c), 1998(C), 1995(C), 1993(I)
48	Eswatini	2009.25(c), 2000.92(c), 1994.83(C)
49	Ethiopia	2015.5(c), 2010.5(c), 2004.5(c), 1999.5(c), 1995.25(c)
50	Ethiopia–Rural	1981.33(C)
51	Fiji	2013.24(c), 2008.5(c), 2002.5(c)
52	Finland	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
53	France	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
54	Gabon	2017(c), 2005(c)
55	Gambia, The	2015.31(c), 2010.08(c), 2003.29(c), 1998(c)
56	Georgia	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1997(c), 1996(C)
57	Germany	2015(i), 2013(i), 2011(i), 2010(i), 2007(i), 2006(i), 2004(i), 2001(i), 2000(i), 1994(i), 1991(i)
58	Ghana	2012.8(c), 2005.67(c), 1998.18(c), 1991.73(c), 1988.5(C), 1987.5(C)
59	Greece	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
60	Guatemala	2014(i), 2006(i), 2000(i), 1998(I), 1989(I), 1986.5(I)
61	Guinea-Bissau	2010(c), 2002(c), 1993(c), 1991(C)
62	Guinea	2012(c), 2007(c), 2002.25(c), 1994.08(c), 1991(C)
63	Guyana	1998(I), 1992.5(I)
64	Haiti	2012(c), 2012(i), 2001(i)

continued ...

... table 5.1 continued

ID	Country	Distributions
65	Honduras	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 1999(i), 1998(i), 1997(i), 1996(i), 1995(i), 1994(i), 1993(i), 1992(i), 1991(i), 1990(I), 1989(I), 1986(I)
66	Honduras–Urban	
67	Hungary	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(c), 2007(i), 2006(c), 2006(i), 2005(c), 2005(i), 2004(c), 2004(i), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1993(I), 1989(I), 1987(I)
68	Iceland	2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
69	India	2011.5(c), 2009.5(c), 2004.5(c), 1993.5(c), 1987.5(C), 1983(C)
70	India–Rural	2011.5(c), 2009.5(c), 2004.5(c), 1993.5(c), 1987.5(C), 1983(C)
71	India–Urban	2011.5(c), 2009.5(c), 2004.5(c), 1993.5(c), 1987.5(C), 1983(C)
72	Indonesia	2017(c), 2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1996(c), 1993(c), 1990(C), 1987(C), 1984(C)
73	Indonesia–Rural	2017(c), 2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1996(c), 1993(c), 1990(C), 1987(C), 1984(C)
74	Indonesia–Urban	2017(c), 2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1996(c), 1993(c), 1990(C), 1987(C), 1984(C)
75	Iran, Islamic Republic of	2014(c), 2013(c), 2009(c), 2006(c), 2005(c), 1998(C), 1994(C), 1990(C), 1986(C)
76	Iraq	2012(c), 2006.85(c)
77	Ireland	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
78	Israel	2012(i), 2010(i), 2007(i), 2005(i), 2001(i), 1997(i), 1992(i), 1986(i)
79	Italy	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)

continued ...

... table 5.1 continued

ID	Country	Distributions
80	Jamaica	2004(c), 2002(c), 1999(c), 1996(c), 1993(C), 1990(c), 1988(C)
81	Japan	2008(i)
82	Jordan	2010.24(c), 2008.16(c), 2006.14(c), 2002.5(c), 1997(C), 1992(C), 1986.5(C)
83	Kazakhstan	2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 1996(c), 1993(I)
84	Kenya	2015.67(c), 2005.38(c), 1997(c), 1994(c), 1992(C)
85	Kiribati	2006(c)
86	Korea, Republic of	2012(i), 2010(i), 2008(i), 2006(i)
87	Kosovo	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2006(c), 2005(c), 2003(c)
88	Kyrgyz Republic	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1998(c)
89	Lao People's Democratic Republic	2012.25(c), 2007.23(c), 2002.25(c), 1997.2(c), 1992.2(c)
90	Latvia	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(c), 2009(i), 2008(c), 2008(i), 2007(c), 2007(i), 2006(i), 2005(i), 2004(c), 2004(i), 2003(c), 2002(c), 1998(c), 1997(c), 1996(I), 1995(I), 1993(I)
91	Lebanon	2011.77(c)
92	Lesotho	2010(c), 2002.75(c), 1994.45(c), 1986.54(C)
93	Liberia	2014(c), 2007(c)
94	Lithuania	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(c), 2008(i), 2007(i), 2006(i), 2005(i), 2004(c), 2004(i), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1996(C), 1993(I)
95	Luxembourg	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
96	Macedonia, former Yugoslav Republic of	2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2000(c), 1998(C)
97	Madagascar	2012(c), 2010(c), 2005(c), 2001(c), 1999(c), 1997(c), 1993.3(c)
98	Malawi	2010.23(c), 2004.23(c), 1997.83(c)
99	Malaysia	2015.33(i), 2013(i), 2011(i), 2008.25(i), 2007(i), 2004(i), 1997(I), 1995(I), 1992(I), 1989(I), 1987(I), 1984(I)
100	Maldives	2009.5(c), 2002.5(c)

continued ...

... table 5.1 continued

ID	Country	Distributions
101	Mali	2009.89(c), 2006(c), 2001.08(c), 1994(c)
102	Malta	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i)
103	Mauritania	2014(c), 2008(c), 2004(c), 2000(c), 1995.57(c), 1993(C), 1987(C)
104	Mauritius	2012(c), 2006.5(c)
105	Mexico	2016(c), 2016(i), 2014(c), 2014(i), 2012(c), 2012(i), 2010(c), 2010(i), 2008(c), 2008(i), 2006(c), 2006(i), 2005(c), 2005(i), 2004(c), 2004(i), 2002(c), 2002(i), 2000(c), 2000(i), 1998(c), 1998(i), 1996(c), 1996(i), 1994(c), 1994(i), 1992(c), 1992(i), 1989(i), 1984(c)
106	Micronesia, Federated States of	2013(c), 2005(c)
107	Micronesia, Federated States of— Urban	2000(i)
108	Moldova	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(C), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1997(c)
109	Mongolia	2016(c), 2014(c), 2012(c), 2011(c), 2010(c), 2007.5(c), 2002(c), 1998(C), 1995(C)
110	Montenegro	2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c)
111	Morocco	2013.5(c), 2006.91(c), 2000.83(c), 1998.5(C), 1990.5(C), 1984.5(C)
112	Mozambique	2014.44(c), 2008.67(c), 2002.5(c), 1996.27(c)
113	Myanmar	2015(c)
114	Namibia	2015.27(c), 2009.54(c), 2003.67(c), 1993.79(I)
115	Nepal	2010.17(c), 2003.25(c), 1995.5(c), 1984.5(I)
116	Netherlands	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i)
117	Nicaragua	2014(i), 2009(i), 2005(c), 2005(i), 2001(c), 2001(i), 1998(c), 1998(i), 1993(c), 1993(i)
118	Niger	2014(c), 2011(c), 2007.31(c), 2005(c), 1994.36(c), 1992.85(C)
119	Nigeria	2009.83(c), 2003.67(c), 1996(c), 1992(c), 1985.25(C)
120	Norway	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)

continued ...

... table 5.1 continued

ID	Country	Distributions
121	Pakistan	2015.5(c), 2013.5(c), 2011.5(c), 2010.5(c), 2007.5(c), 2005.5(c), 2004.5(c), 2001.5(c), 1998.5(c), 1996.5(c), 1990.5(c), 1987(c)
122	Panama	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1999(i), 1998(i), 1997(i), 1995(i), 1991(i), 1989(i)
123	Papua New Guinea	2009.67(c), 1996(c)
124	Paraguay	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 1999(i), 1997(i), 1995(i), 1990(i)
125	Peru	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1999(i), 1998(i), 1997(i), 1994(c), 1985.5(c)
126	Philippines	2015(c), 2015(i), 2012(c), 2012(i), 2009(c), 2009(i), 2006(c), 2006(i), 2003(c), 2003(i), 2000(c), 2000(i), 1997(c), 1994(C), 1991(C), 1988(c), 1985(C)
127	Poland	2016(c), 2015(c), 2015(i), 2014(c), 2014(i), 2013(c), 2013(i), 2012(c), 2012(i), 2011(c), 2011(i), 2010(c), 2010(i), 2009(c), 2009(i), 2008(c), 2008(i), 2007(c), 2007(i), 2006(c), 2006(i), 2005(c), 2005(i), 2004(c), 2004(i), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1996(C), 1993(C), 1989(I), 1987(I), 1985(I)
128	Portugal	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
129	Romania	2016(c), 2015(i), 2014(i), 2013(c), 2013(i), 2012(c), 2012(i), 2011(c), 2011(i), 2010(c), 2010(i), 2009(c), 2009(i), 2008(c), 2008(i), 2007(c), 2007(i), 2006(c), 2006(i), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1994(I), 1992(I), 1989(I)
130	Russian Federation	2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 2001(c), 2000(c), 1999(c), 1998(c), 1997(c), 1996(C), 1993(C)
131	Rwanda	2013.75(c), 2010.83(c), 2005.75(c), 2000.38(c), 1984.5(C)
132	Samoa	2008(c)
133	Sao Tome and Principe	2010(c), 2000.5(c)
134	Senegal	2011.29(c), 2005.8(c), 2001(c), 1994.33(C), 1991.25(C)

continued ...

... table 5.1 continued

ID	Country	Distributions
135	Serbia	2015(c), 2015(i), 2014(i), 2013(c), 2013(i), 2012(i), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c)
136	Seychelles	2013(i), 2006.43(c), 1999.62(c)
137	Sierra Leone	2011(c), 2003.25(c), 1989.75(C)
138	Slovak Republic	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(c), 2009(i), 2008(c), 2008(i), 2007(c), 2007(i), 2006(c), 2006(i), 2005(c), 2005(i), 2004(c), 2004(i), 1996(I)
139	Slovenia	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(c), 2002(c), 1998(C), 1993(I)
140	Solomon Islands	2013(c), 2005(c)
141	South Africa	2014.83(c), 2010(c), 2008.67(c), 2005(c), 2000.75(C), 1996(c), 1993(C)
142	South Sudan	2009(c)
143	Spain	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
144	Sri Lanka	2016(c), 2012.5(c), 2009.5(c), 2006.5(c), 2002(c), 1995.5(c), 1990.5(c), 1985(C)
145	St. Lucia	1995(I)
146	Sudan	2009(c)
147	Suriname	1999(i)
148	Sweden	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i), 2003(i)
149	Switzerland	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i)
150	Syrian Arab Republic	2004(c)
151	Tajikistan	2015(c), 2009(c), 2007(c), 2004(c), 2003(c), 1999(c)
152	Tanzania	2011.77(c), 2007(c), 2000.33(c), 1991.92(c)
153	Thailand	2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2004(c), 2002(c), 2000(c), 1999(c), 1998(c), 1996(c), 1994(c), 1992(c), 1990(c), 1988(C), 1981(C)
154	Timor-Leste	2014(c), 2007(c), 2001(c)
155	Togo	2015(c), 2011(c), 2006(c)
156	Tonga	2009(c), 2001(c)
157	Trinidad and Tobago	1992(I), 1988(I)
158	Tunisia	2010.41(c), 2005.34(c), 2000(C), 1995(C), 1990(C), 1985(C)

continued ...

... table 5.1 continued

ID	Country	Distributions
159	Turkey	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 1994(C), 1987(C)
160	Turkmenistan	1998(C)
161	Tuvalu	2010(c)
162	Uganda	2016.5(c), 2012.45(c), 2009.4(c), 2005.33(c), 2002.36(c), 1999.55(c), 1996.2(c), 1992.23(c), 1989(C)
163	Ukraine	2016(c), 2015(c), 2014(c), 2013(c), 2012(c), 2011(c), 2010(c), 2009(c), 2008(c), 2007(c), 2006(c), 2005(c), 2004(c), 2003(c), 2002(c), 1999(I), 1996(c), 1995(C), 1993(c), 1992(c)
164	United Kingdom	2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 2005(i), 2004(i)
165	United States	2016(i), 2013(i), 2010(i), 2007(i), 2004(i), 2000(i), 1997(i), 1994(i), 1991(i), 1986(i)
166	Uruguay	2016(i), 2015(i), 2014(i), 2013(i), 2012(i), 2011(i), 2010(i), 2009(i), 2008(i), 2007(i), 2006(i), 1989(i), 1981(I)
167	Uruguay–Urban	2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 2000(i), 1998(i), 1997(i), 1996(i), 1995(i), 1992(i)
168	Uzbekistan	2003(c), 2002(c), 2000(c), 1998(c)
169	Vanuatu	2010(c)
170	Venezuela, Republica Bolivariana de	2006(i), 2005(i), 2004(i), 2003(i), 2002(i), 2001(i), 1999(i), 1998(i), 1995(i), 1992(i), 1989(i), 1987(I), 1981(I)
171	Vietnam	2016(c), 2014(c), 2012(c), 2010(c), 2008(c), 2006(c), 2004(c), 2002(c), 1998.79(c), 1992.71(c)
172	West Bank and Gaza	2016.75(c), 2011(c), 2010(c), 2009(c), 2007(c), 2006(c), 2005(c), 2004(c)
173	Yemen, Republic of	2014(c), 2005.25(c), 1998(c)
174	Zambia	2015(c), 2010(c), 2006.5(c), 2004.67(c), 2002.83(c), 1998(c), 1996(c), 1993(C), 1991(c)
175	Zimbabwe	2011(C)

6.2 Metadata

Title: World Bank's PovcalNet Distributional Data for Poverty Research

Description: Using materials and methods already made publicly available by Dykstra et al. (2014), I hereby make available the latest distributional data from World Bank's PovcalNet as of October 2nd, 2018. These data are used in the poverty estimates by the PovcalNet interactive online tool. Having these data locally, an independent scholar can experiment with extensive poverty line configurations that PovcalNet cannot accommodate at its present version.

NOTE: the data contained here are provided under a restrained version of the CC BY 4.0, see the License.txt for the full terms and conditions as stipulated in the terms and conditions of the World Bank datasets see. Also read the World Bank terms and conditions here: <http://www.worldbank.org/en/about/legal/terms-of-use-for-datasets>. The python scripts available in this datapackage are provided under CC BY 4.0.

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