

Did Coronavirus Prevent an end to Poverty?

An Analysis of the Impact of Covid-19 on Poverty.

Professor: Rick Lambroff

Assignment 6

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TABLE OF CONTENT

Introduction

Objectives

Overview
of Dataset

Dataset Cleaning
Process

Visualizations

Dashboards

Insights

Conclusion

Reference

Thank You

INTRODUCTION

- The global fight against poverty has been a long and challenging process.
- Globally, the number of people living in extreme poverty reduced from 36% in 1990 to 10% in 2015.
- In 2015, world leaders formulated Sustainable Development Goals with the aim of creating a better and more sustainable future for all.
- The first goal was an end to poverty in all forms everywhere by 2030.
- Up to 2020, there seemed to be significant progress, the global poverty rate did not increase since 1990.
- This progress has been threatened with the declaration of coronavirus (COVID-19) as a global pandemic.
- Efforts to manage the spread of the virus resulted in strict "lock down" measures globally.
- These measures are impacting lives and livelihoods.
- The economic impacts of the pandemic seemingly did not discriminate as everyone was "feeling the pinch".
- Coronavirus was viewed as the "great equalizer" as it seemed nobody was immune to the virus or the economic consequences of the measures.



OBJECTIVES

Was the world on track to end poverty by 2030?

How is Coronavirus impacting poverty?

Will lockdown measures exacerbate inequality?

OVERVIEW OF DATASET

The screenshot shows the 'Poverty And Equity Database' page on The World Bank's Data Catalog. The page header includes the World Bank logo, 'Data Catalog', a search bar, and navigation links for 'Data', 'Collections', 'Getting Started', and 'FAQs'. The main title 'Poverty And Equity Database' is prominently displayed. On the left, a sidebar contains sections for 'DATA ACCESS AND LICENSING' (stating the dataset is public and licensed under CC-BY 4.0), 'RELATED LINKS' (linking to the Poverty and Equity Data portal and PovcalNet), and 'SHARE METADATA'. The main content area features social sharing buttons (Twitter, Facebook, LinkedIn), a 'Back' button, and a detailed description of the database's scope and maintenance. Below this, there are two resource cards: 'Databank access' (a Query Tool) and 'Bulk Download File (Excel)' (a Download), both with 'Go to Resource' links. A tabbed interface at the bottom allows navigation between 'Overview', 'Data & Resources' (the active tab), 'Visualization', 'Additional Information', and 'Citations'.

THE WORLD BANK Data Catalog

Search...

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Data Collections Getting Started FAQs

Poverty And Equity Database

DATA ACCESS AND LICENSING

This dataset is classified as **Public** under the Access to Information Classification Policy. Users inside and outside the Bank can access this dataset.

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RELATED LINKS

- Poverty and Equity Data portal
- PovcalNet

SHARE METADATA

The information on this page (the dataset metadata) is also available in

Latest poverty and inequality indicators compiled from officially recognized international sources. Poverty indicators include the poverty headcount ratio, poverty gap, and number of poor at both international and national poverty lines. Inequality indicators include the Gini index and income or consumption distributions. The database includes national, regional and global estimates. This database is maintained by the Global Poverty Working Group (GPWG), a team of poverty measurement experts from the Poverty Reduction and Equity Network, the Development Research Group, and the Development Data Group. Less...

Overview Data & Resources Visualization Additional Information Citations

Databank access
Poverty and Equity Database
Resource Type: **Query Tool**
[Go to Resource](#)

Bulk Download File (Excel)
Poverty and Equity Database
Resource Type: **Download**
[Go to Resource](#)

- The World Bank's Poverty and Equity Database.
- Data from 1974 to 2018 on various metrics used to measure poverty.
- Data is incomplete - Varies by country and year

DATASET CLEANING PROCESS

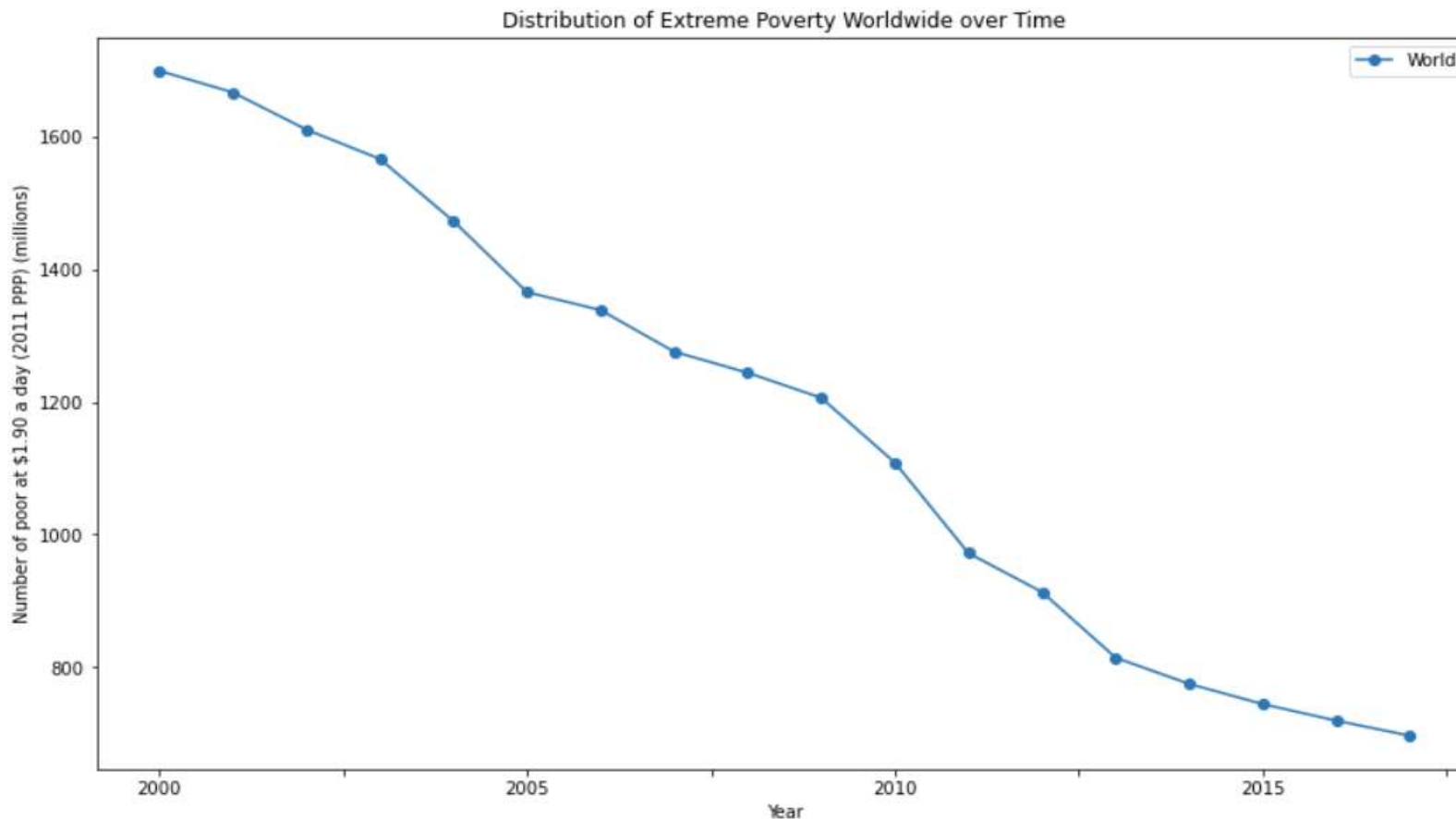
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Country Name	Country Code	Indicator Name	Indicator Code	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	
2	East Asia & Pacific	EAS	Annualized growth in per capita real survey mean α	SI.SPR.PC40.ZG															
3	East Asia & Pacific	EAS	Annualized growth in per capita real survey mean α	SI.SPR.PT10.ZG															
4	East Asia & Pacific	EAS	Annualized growth in per capita real survey mean α	SI.SPR.PT60.ZG															
5	East Asia & Pacific	EAS	Annualized growth in per capita real survey mean α	SI.SPR.PCAP.ZG															
6	East Asia & Pacific	EAS	Annualized growth in per capita real survey median	SI.POV.XPND.MD.ZG															
7	East Asia & Pacific	EAS	Gini index (World Bank estimate)	SI.POV.GINI															
8	East Asia & Pacific	EAS	Income share held by fourth 20%	SI.DST.04TH.20															
9	East Asia & Pacific	EAS	Income share held by highest 10%	SI.DST.10TH.10															
10	East Asia & Pacific	EAS	Income share held by highest 20%	SI.DST.05TH.20															
11	East Asia & Pacific	EAS	Income share held by lowest 10%	SI.DST.FRST.10															
12	East Asia & Pacific	EAS	Income share held by lowest 20%	SI.DST.FRST.20															
13	East Asia & Pacific	EAS	Income share held by second 20%	SI.DST.02ND.20															
14	East Asia & Pacific	EAS	Income share held by third 20%	SI.DST.03RD.20															
15	East Asia & Pacific	EAS	Median daily per capita income or consumption exp	SI.POV.XPND.MD															
16	East Asia & Pacific	EAS	Multidimensional poverty, Drinking water (% of pop	SI.POV.WATR.MI															
17	East Asia & Pacific	EAS	Multidimensional poverty, Educational attainment (	SI.POV.ATTM.MI															
18	East Asia & Pacific	EAS	Multidimensional poverty, Educational enrollment (	SI.POV.ENRL.MI															
19	East Asia & Pacific	EAS	Multidimensional poverty, Electricity (% of populati	SI.POV.ELEC.MI															
20	East Asia & Pacific	EAS	Multidimensional poverty, Headcount ratio (% of pc	SI.POV.HCRT.MI															
21	East Asia & Pacific	EAS	Multidimensional poverty, Monetary poverty (% of	SI.POV.DDAY.MI															
22	East Asia & Pacific	EAS	Multidimensional poverty, Sanitation (% of populati	SI.POV.SANI.MI															
23	East Asia & Pacific	EAS	Number of poor at \$1.90 a day (2011 PPP) (millions	SI.POV.NOP1								1108.4	1096.5	1069.6	1012.4	969.4	941.9	897.9	
24	East Asia & Pacific	EAS	Number of poor at \$3.20 a day (2011 PPP) (millions	SI.POV.LMIC.NO								1291.2	1306.1	1318.5	1318	1320.8	1324.6	1318.2	1
25	East Asia & Pacific	EAS	Number of poor at \$5.50 a day (2011 PPP) (millions	SI.POV.UMIC.NO								1341.5	1363.5	1385.2	1405	1426.2	1447.2	1467.3	1
26	East Asia & Pacific	EAS	Population, total	SP.POP.TOTL	1.42E+09	1.44E+09	1.47E+09	1.49E+09	1.51E+09	1.54E+09	1.56E+09	1.58E+09	1.61E+09	1.63E+09	1.66E+09	1.68E+09	1.71E+09	1.74E+09	1.77E+09
27	East Asia & Pacific	EAS	Poverty gap at \$1.90 a day (2011 PPP) (%)	SI.POV.GAPS								37.9	35.1	31.6	26.9	24.5	23.1	21.3	
28	East Asia & Pacific	EAS	Poverty gap at \$3.20 a day (2011 PPP) (% of popula	SI.POV.LMIC.GP								58.5	56.4	53.6	49.6	47.2	45.5	43.2	
29	East Asia & Pacific	EAS	Poverty gap at \$5.50 a day (2011 PPP) (% of popula	SI.POV.UMIC.GP								84.4	80.2	75.1	68.5	66.9	65.7	63.9	
30	East Asia & Pacific	EAS	Poverty gap at national poverty lines (%)	SI.POV.NAGP															
31	East Asia & Pacific	EAS	Poverty gap at national poverty lines (%), including	SI.POV.NAGP.NC															
32	East Asia & Pacific	EAS	Poverty headcount ratio at \$1.90 a day (2011 PPP) (	SI.POV.DDAY								80.2	78	74.8	69.7	65.7	62.8	58.8	
33	East Asia & Pacific	EAS	Poverty headcount ratio at \$1.90 a day, age 0-14 (2	SI.POV.DDAY.14															
34	East Asia & Pacific	EAS	Poverty headcount ratio at \$1.90 a day, age 15-64 (	SI.POV.DDAY.1564															

DATASET CLEANING PROCESS

	A	B	C	D	E	F	G	H
1	Country	Indicator	2000	2001	2002	2003	2004	2005
2	East Asia & Pacific	Gini index (World Bank estimate)						
3	East Asia & Pacific	Income share held by fourth 20%						
4	East Asia & Pacific	Income share held by highest 10%						
5	East Asia & Pacific	Income share held by highest 20%						
6	East Asia & Pacific	Income share held by lowest 10%						
7	East Asia & Pacific	Income share held by lowest 20%						
8	East Asia & Pacific	Income share held by second 20%						
9	East Asia & Pacific	Income share held by third 20%						
10	East Asia & Pacific	Number of poor at \$3.20 a day (2011 PPP) (millions)	1154.7	1119.7	1046.9	997	935.9	845
11	East Asia & Pacific	Number of poor at \$5.50 a day (2011 PPP) (millions)	1538.3	1517.8	1475.1	1447.9	1411.5	1352.7
12	East Asia & Pacific	Population, total	2.05E+09	2.07E+09	2.08E+09	2.1E+09	2.12E+09	2.13E+09
13	East Asia & Pacific	Poverty gap at \$1.90 a day (2011 PPP) (%)	10.8	10.1	8.9	7.6	6.2	4.7
14	East Asia & Pacific	Poverty gap at \$3.20 a day (2011 PPP) (% of population)	27.1	25.7	23.2	21	18.7	15.7
15	East Asia & Pacific	Poverty gap at \$5.50 a day (2011 PPP) (% of population)	47.5	45.8	42.7	40.4	37.8	34.2
16	East Asia & Pacific	Poverty gap at national poverty lines (%)						
17	East Asia & Pacific	Poverty gap at national poverty lines (%), including noncomparable values						
18	East Asia & Pacific	Poverty headcount ratio at \$3.20 a day (2011 PPP) (% of populat	63.6	61.1	56.6	53.5	49.8	44.6
19	East Asia & Pacific	Poverty headcount ratio at \$5.50 a day (2011 PPP) (% of populat	84.7	82.8	79.8	77.6	75.1	71.4
20	East Asia & Pacific	Poverty headcount ratio at national poverty lines (% of population)						
21	East Asia & Pacific	Poverty headcount ratio at national poverty lines (% of population), including noncomparable values						
22	East Asia & Pacific	Poverty headcount ratio at \$1.90 a day (2011 PPP) (% of populat	34.8	32.8	29.1	25.9	22.5	18.4
23	East Asia & Pacific	Number of poor at \$1.90 a day (2011 PPP) (millions)	632.3	600.8	538.6	483.4	423.6	348
24	Europe & Central Asia	Gini index (World Bank estimate)						
25	Europe & Central Asia	Income share held by fourth 20%						

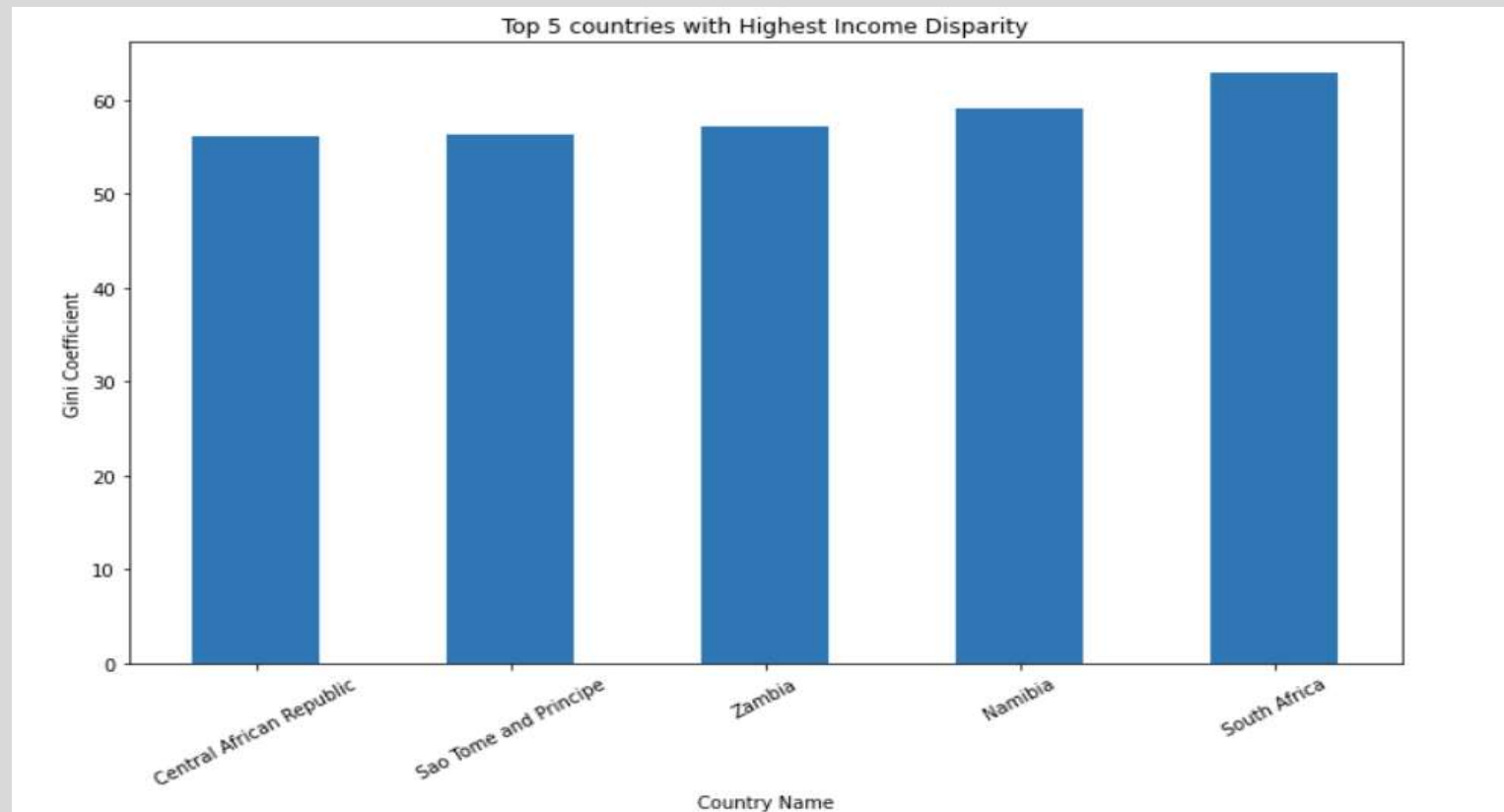
- Created a copy of the raw data
- Removed unnecessary columns
- Renamed columns
- Advanced Filter – Select only the relevant indicators

Distribution of Extreme Poverty Worldwide over Time



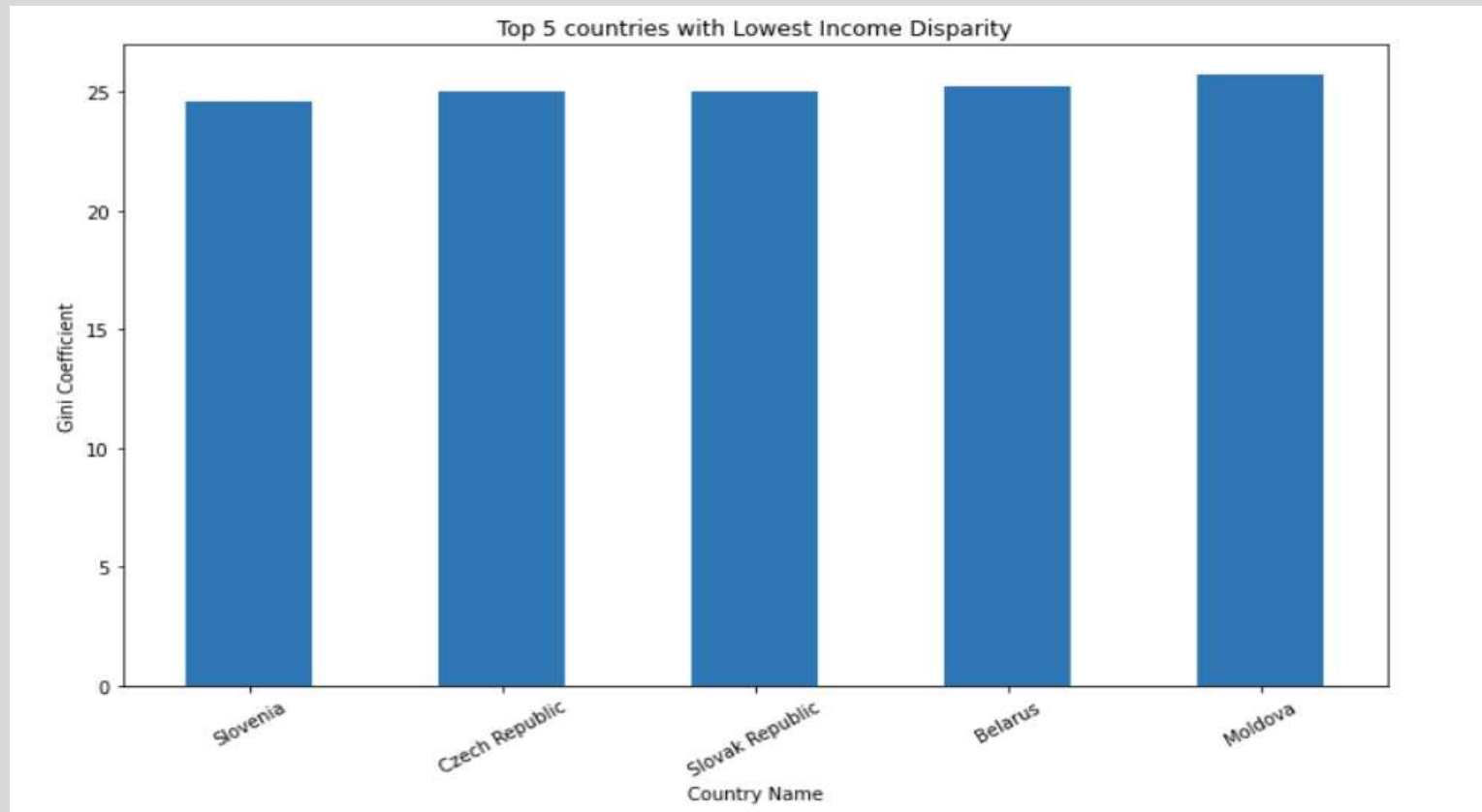
The Line Chart shows the number of people living in extreme poverty over the years. It is evident from the chart that there has been a significant drop over the years.

Top 5 Countries with Highest Income Disparity



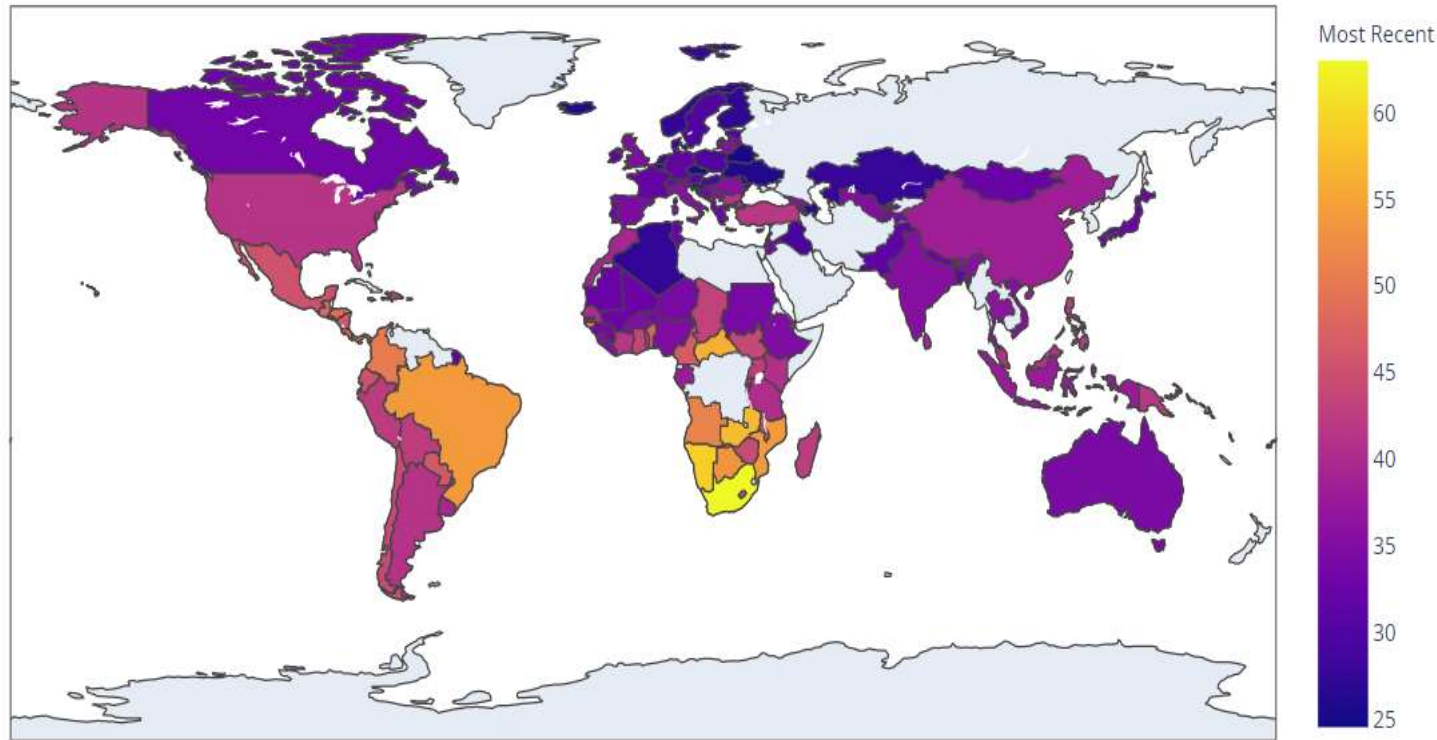
The Bar chart shows the top 5 countries that are performing poorly in terms of Gini Coefficient. This implies that there exists a large Income Gap between rich and poor in these countries. We can observe that all these countries belong to the Sub-Saharan Africa Region.

Top 5 Countries with Least Income Disparity



The Bar chart shows the Top 5 countries which have least income disparity. Most of the countries belong to the European Region.

Distribution of Gini Coefficient on a World Map



The Choropleth Chart depicts the distribution of the Gini Coefficient on a world map. It can be observed from the chart that European regions and parts of the North America shows low coefficient value, while parts of South African and South American countries show high coefficient value.

Extreme Poverty Across the World

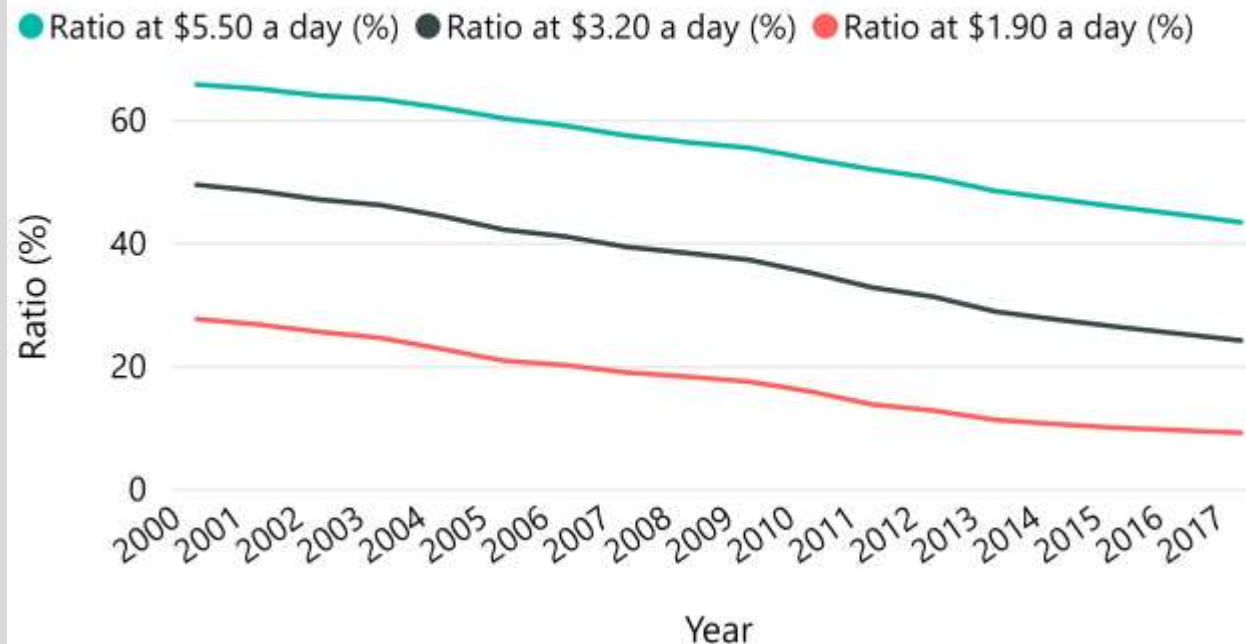
Poverty headcount ratio at \$1.90 a day (%) in 2018 (or Most Recent data available)



- The nations where the largest fraction of the population is living in extreme poverty are Madagascar, Congo (DRC), South Sudan, Burundi, and Malawi.
- The regions where the largest fraction of the population is living in extreme poverty are once again Sub-Saharan Africa and South Asia.

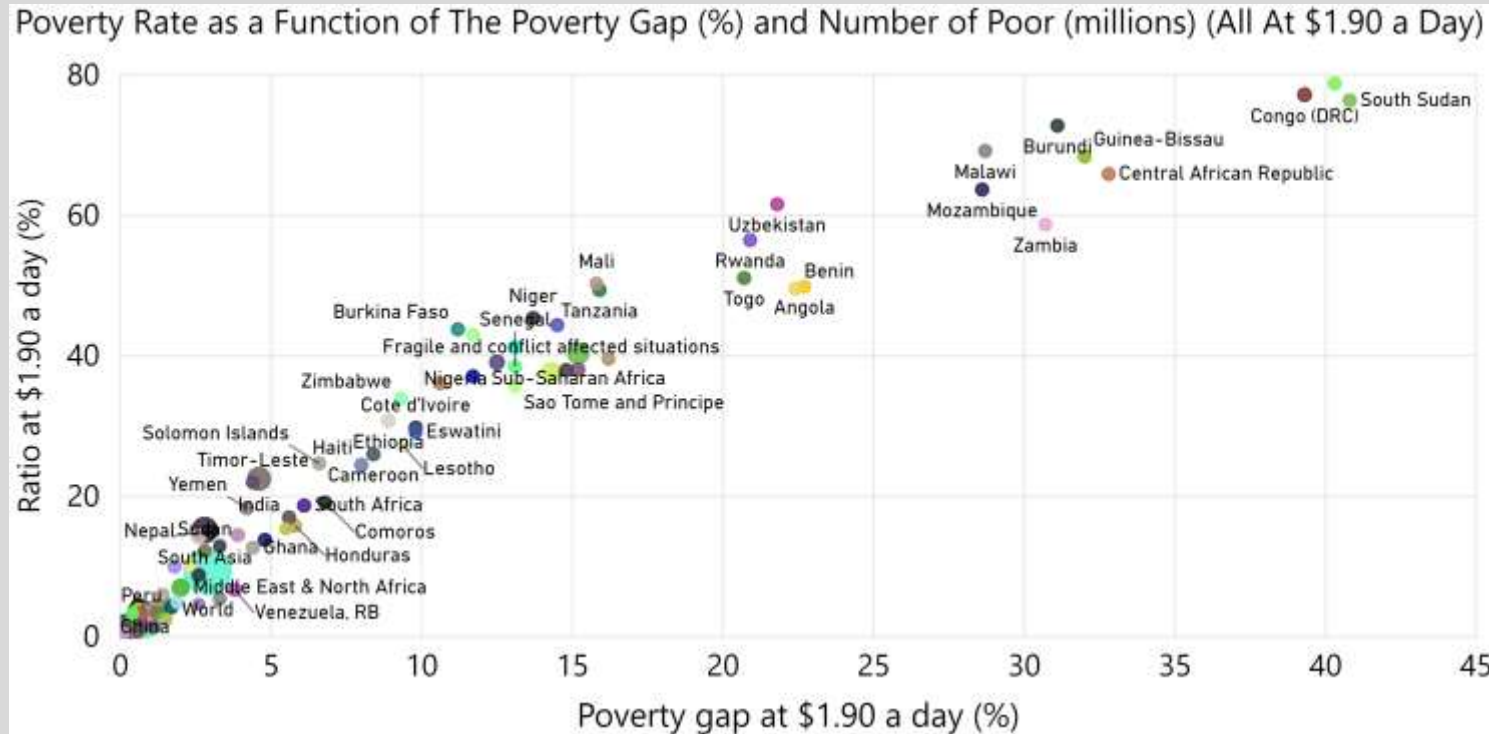
Change in Poverty Across the World over Time

Poverty Headcount Ratio At \$1.90, \$3.20, and \$5.50 a day as a Function of Year



- In 2000, 27.8% of the world's population was living on less than \$1.90 a day, and therefore in extreme poverty, and 65.9% were living on less than \$5.50 a day, and 27.8
- In 2017, these figures had dropped to 9.3% and 43.5% respectively

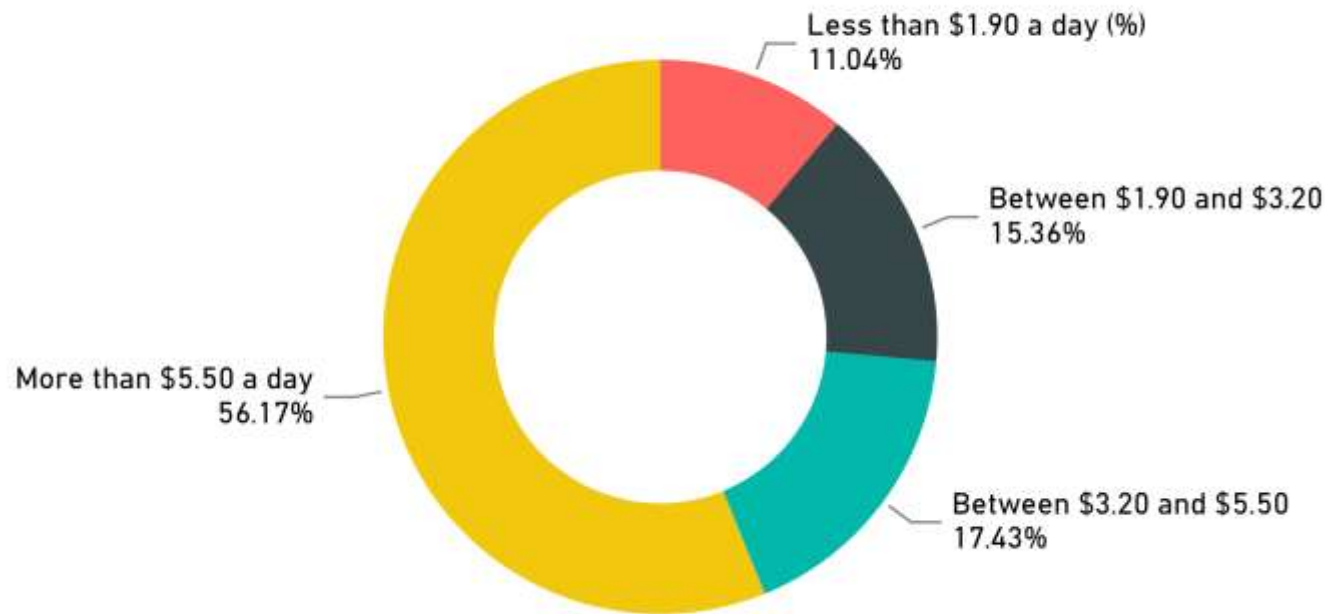
Fraction of Population Living in Extreme Poverty as a Function of Poverty Gap



- Clear trend that as the poverty gap increases, so does the fraction of the population living in extreme poverty.
- Noticeable outliers include Madagascar, Congo (DRC), and South Sudan.

Fraction of People in Each Poverty Band

Share of People in each Poverty Band (Most Recent Data Available)



- 11% of the world's population are living in extreme poverty.
- In total, approximately 44% of the world's population is living in poverty.

Overview of Dataset

Table 2 Global poverty estimates pre- and post-COVID-19

	Pre-COVID-19		Post-COVID-19		Change	
	Headcount	Million poor	Headcount	Million poor	Headcount	Million poor
\$1.90 per day						
East Asia and Pacific	0.9	18.5	1.1	22.9	0.2	4.4
Europe and Central Asia	1.1	5.3	1.3	6.5	0.2	1.2
Latin America and Caribbean	4.4	28.3	4.9	31.8	0.6	3.6
Middle East and North Africa	7.3	29.3	8.5	34.2	1.2	4.9
Other high Income	0.7	7.4	0.7	7.5	0.0	0.1
South Asia	4.0	74.0	5.2	97.2	1.3	23.3
Sub-Saharan Africa	42.2	479.5	45.0	510.7	2.7	31.2
World total	8.2	642.3	9.1	710.8	0.9	68.6
\$3.20 per day						
East Asia and Pacific	5.7	122.0	6.6	140.7	0.9	18.6
Europe and Central Asia	4.1	20.3	4.8	24.0	0.7	3.7
Latin America and Caribbean	10.3	66.9	11.6	75.1	1.3	8.2

- Dataset showing the global poverty estimates pre and post the covid 19 pandemic.
- The estimated number of persons living below the poverty threshold of US\$1.90, US\$3.20 and US\$5.50 per day are stated in millions.

Overview of Dataset

- This dataset, provided by the International Labour Organization, shows the number of hours of work lost by various income groups.

The screenshot shows the ILO website's interface for the 'ILO Monitor: COVID-19 and the world of work. 7th edition'. The header includes the ILO logo, the text 'International Labour Organization', and the tagline 'Advancing social justice, promoting decent work'. Below the header is a navigation bar with links for 'Countries', 'Topics', 'Sectors', and a search bar. The main content area features a sidebar on the left with links to 'News', 'Global impact and policy recommendations', 'United Nations response', 'Regional and country impact and policies', 'Sectoral impact, responses and recommendations', 'Thematic analysis and practical advice', and 'Projects'. The main content area displays the title 'ILO Monitor: COVID-19 and the world of work. 7th edition' and a 'Download' button for a PDF file (1.8 MB). The footer includes a 'Tools' section with language options (español, français, Bahasa Indonesia, italiano, 日本語, Русский, Türkçe) and a 'Print' button.

International Labour Organization

Advancing social justice, promoting decent work
ILO is a specialized agency of the United Nations

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COVID-19 and the world of work

ILO home > Topics > COVID-19 and the world of work > Global impact and policy recommendations > ILO Monitor: COVID-19 and the world of work. 7th edition ...

COVID-19 Pandemic in the World of Work

ILO Monitor: COVID-19 and the world of work. 7th edition

Briefing note | 25 January 2021

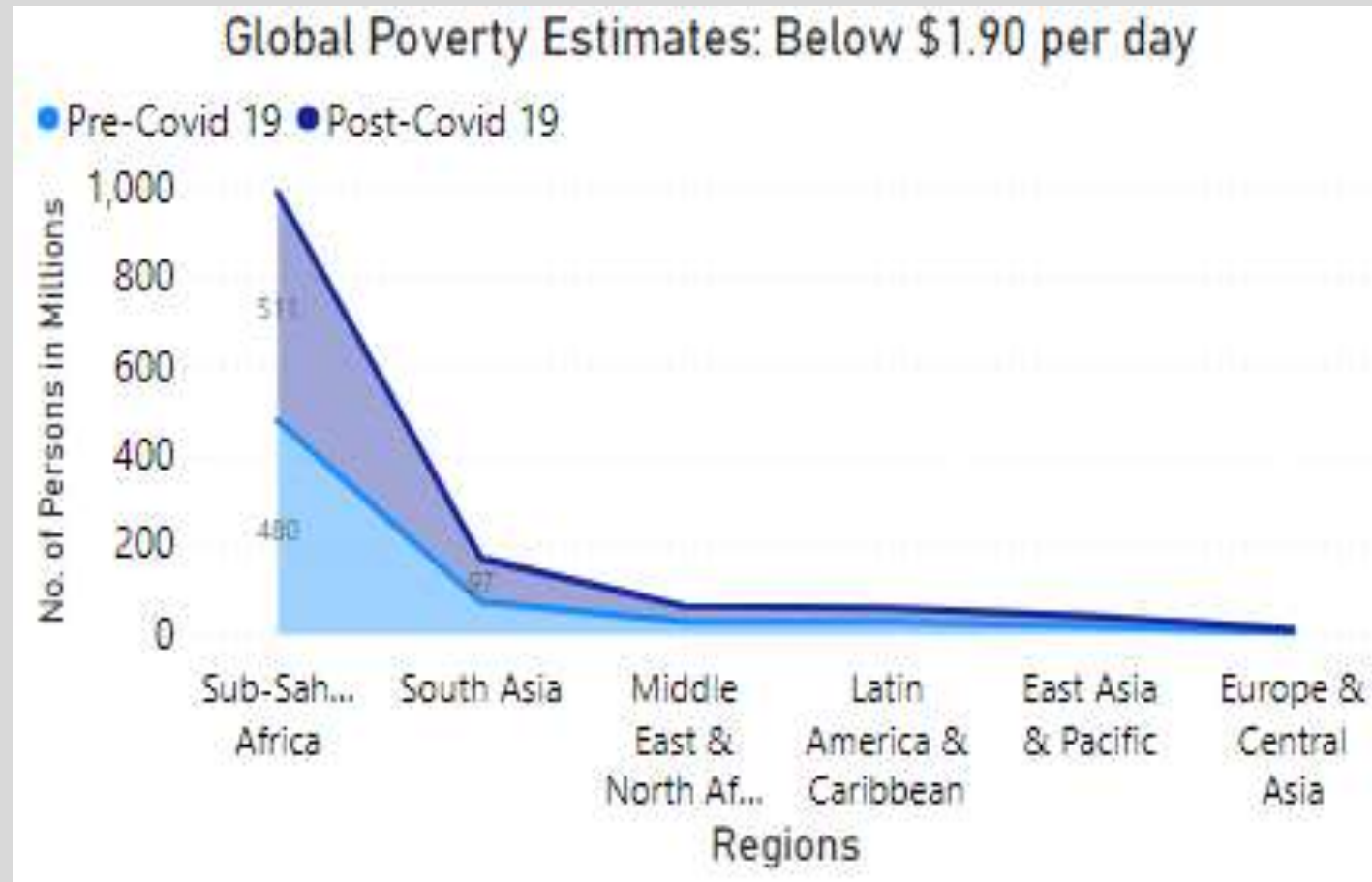
Download:
pdf - 1.8 MB

Tools

This content is available in
español > français > Bahasa Indonesia > italiano > 日本語 > Русский > Türkçe >

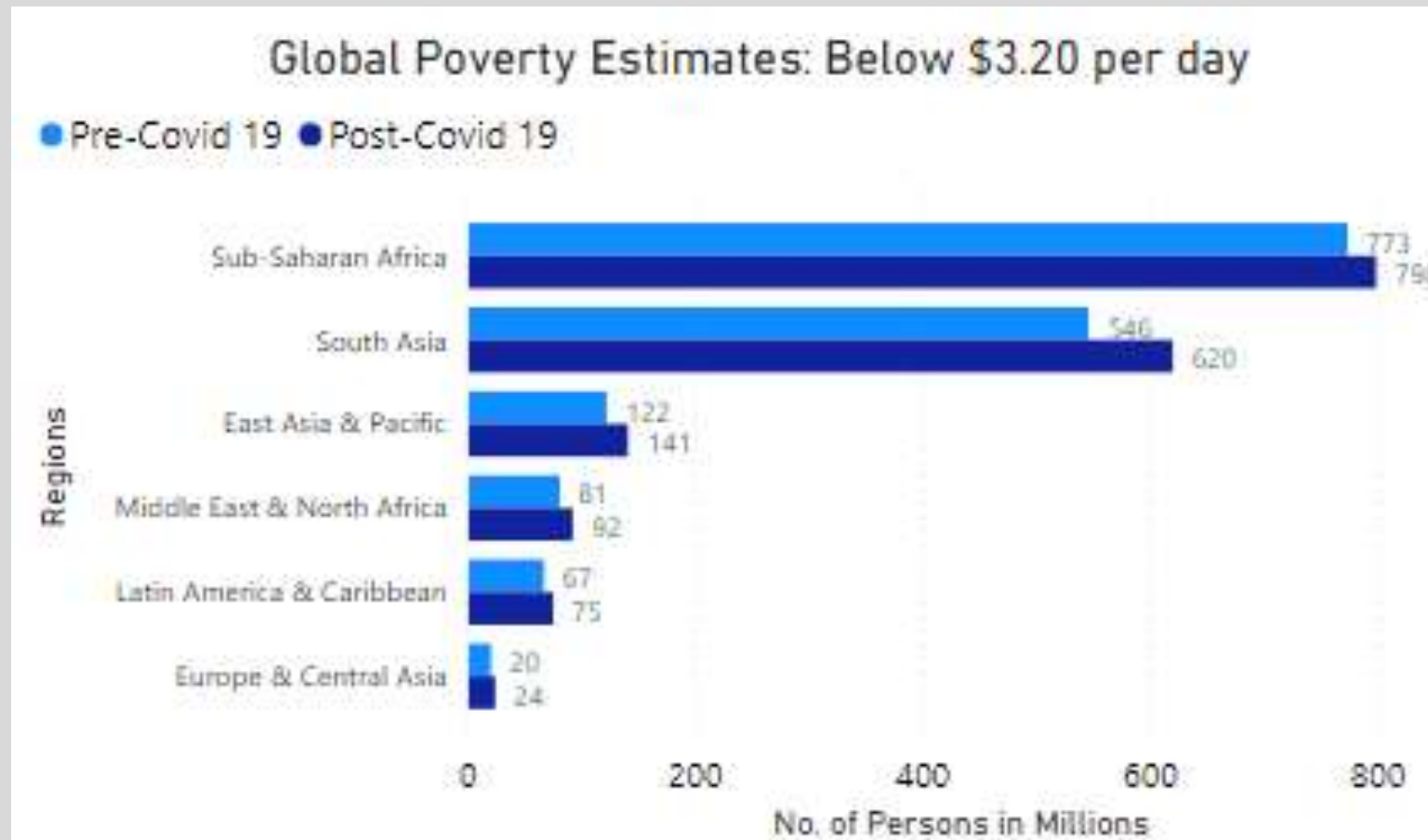
A A+ A++ Print >

Global Poverty Estimates: Below \$1.90



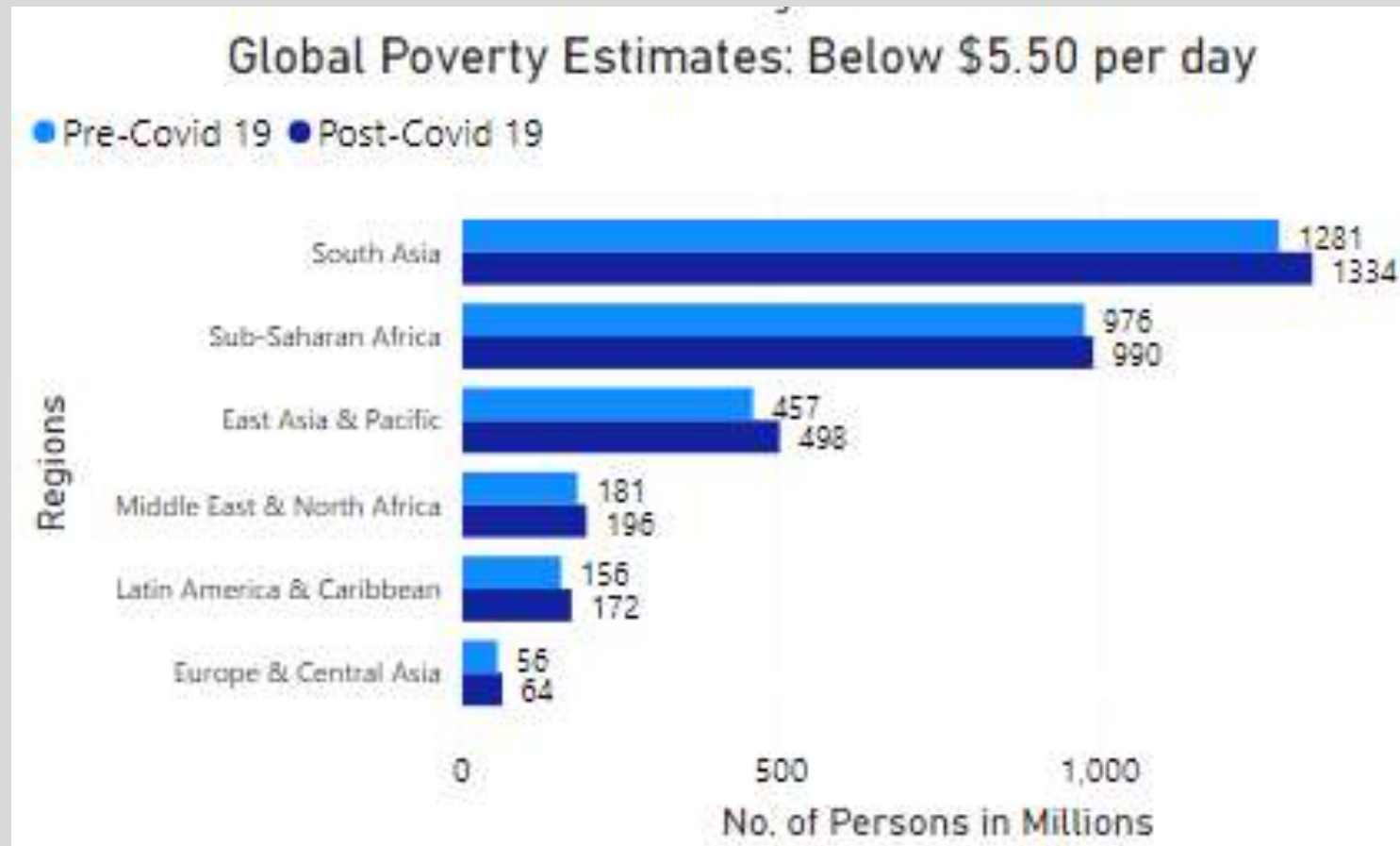
- The number of persons living below the threshold of US\$1.90 per day has increased since the covid 19 pandemic.
- This increase is most noticeable in Sub-Saharan Africa and South Asia.

Global Poverty Estimates: Below \$3.20



- The number of persons living below the poverty threshold of US\$3.20 per day has increased in all regions of the world.
- Sub-Saharan Africa & South Asia, which had the highest poverty estimate before covid 19, continues to have the highest estimate after covid 19.

Global Poverty Estimates: Below \$5.50

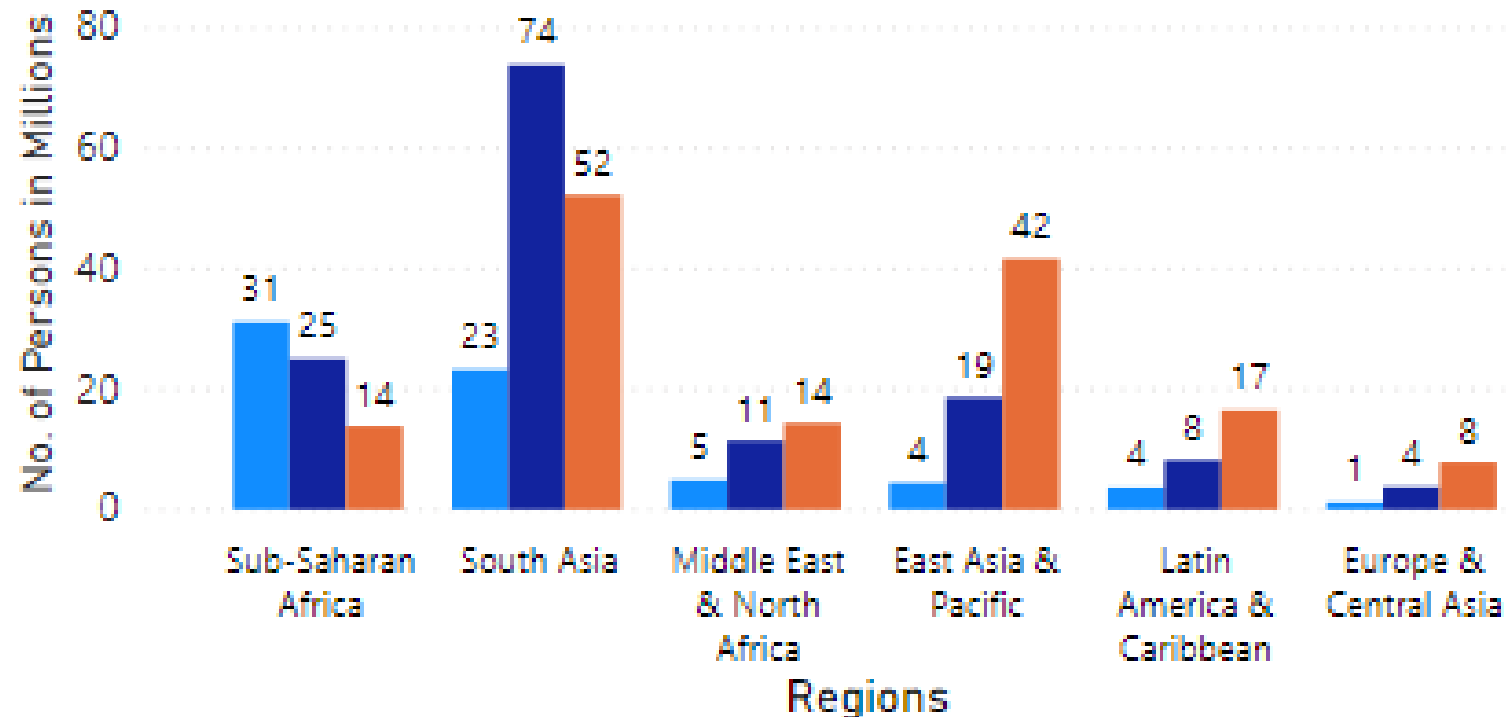


- The number of persons living below the threshold of US\$5.50 per day has increased in all regions of the world.
- East Asia & Pacific has joined the regions which has a significant number of persons living below this threshold.

Pre & Post Covid Global Poverty Estimates

Difference in Pre & Post Global Poverty Estimates

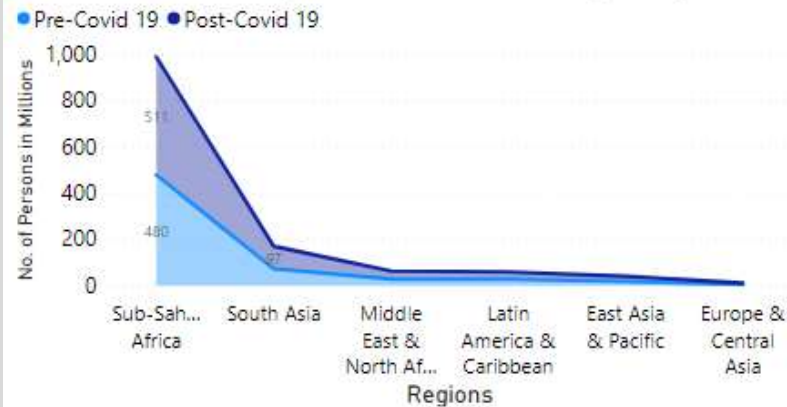
● Change in Millions (\$1.90) ● Change in Millions (\$3.20) ● Change in Millions (\$5.50)



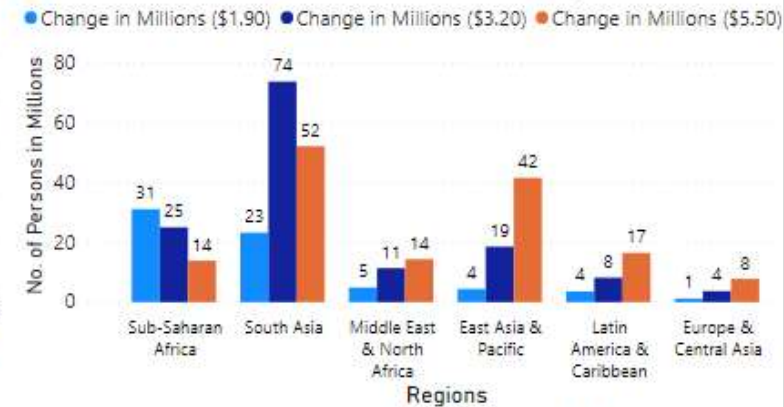
- In South Asia, an estimate of 74 million more persons now survive with less than US\$3.20 per day.
- In regions which previously had lower poverty estimates, the number of persons living below each threshold has increased.

Pre- and Post-COVID Comparison

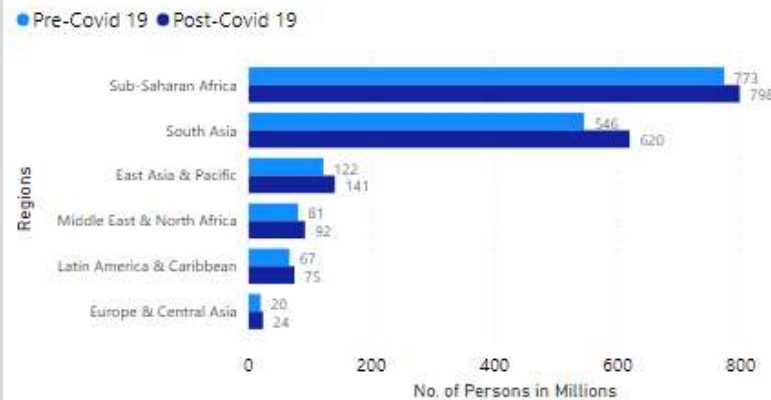
Global Poverty Estimates: Below \$1.90 per day



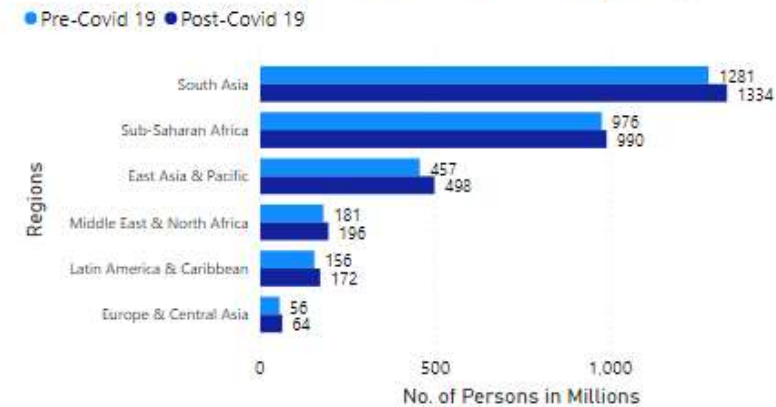
Difference in Pre & Post Global Poverty Estimates



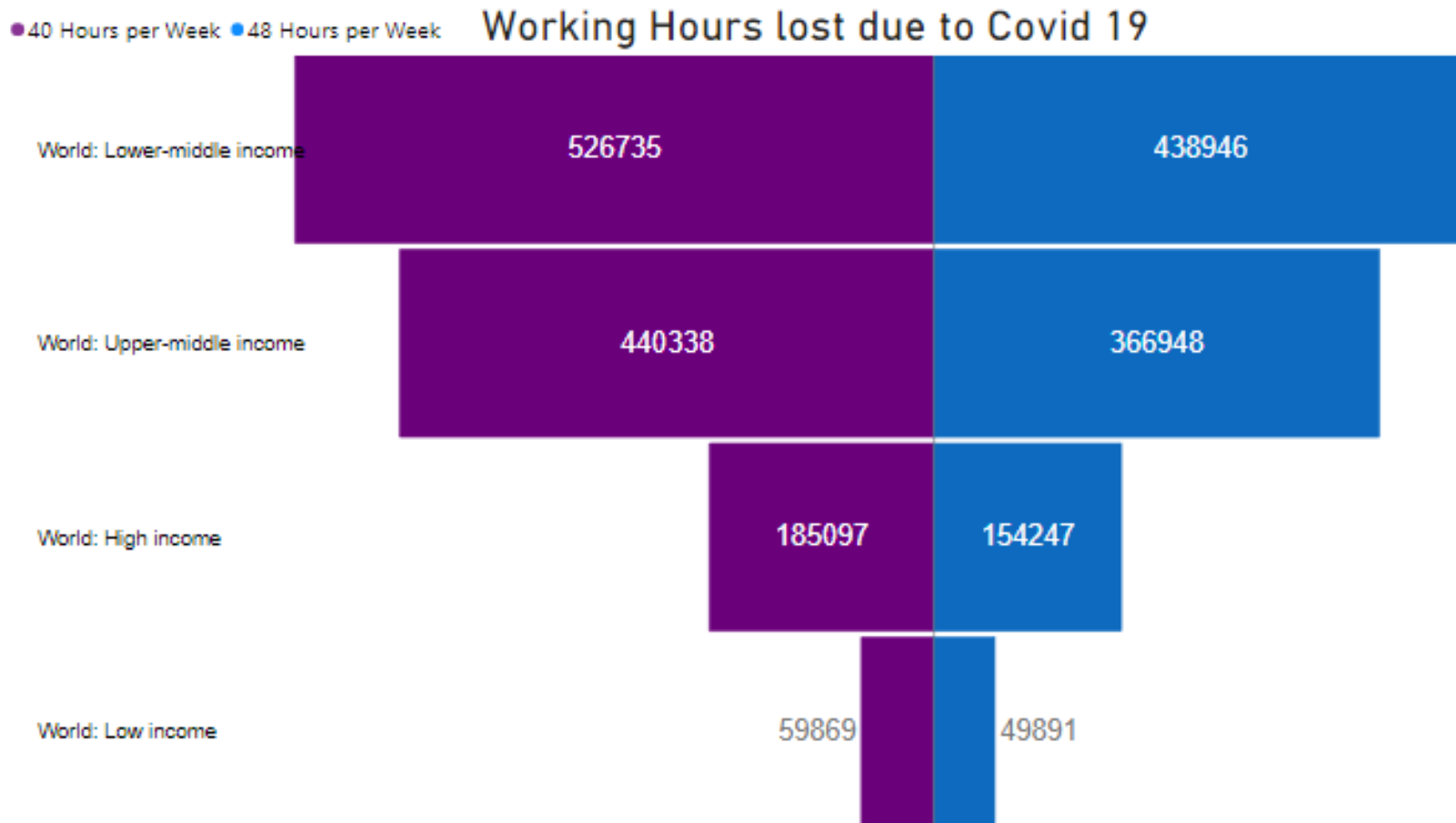
Global Poverty Estimates: Below \$3.20 per day



Global Poverty Estimates: Below \$5.50 per day



Working Hours lost due to Covid 19



- The group which lost the greatest number of hours of work is the lower middle-income individuals.
- The upper-middle income group also shows a significant lost.
- This provides context for why there is an increase in the number of persons living below \$5.50 per day.

INSIGHTS

- Pre-Covid approximately, 11% of the world's population was living in extreme poverty and over 45% of the world's population was living in poverty.
- Between 2015 to 2018 the number of people living in extreme poverty in Middle East and North Africa increased while the global trend declined.
- Pre-Covid the top 5 countries that are performing poorly by Gini Coefficient standards are all located in Sub-Saharan Africa Region.
- Since Covid the world poverty estimates are showing a significant increase in the number of persons who now survive on less than US\$3.20 and US\$5.50 per day.
- Surprisingly, persons living on less than US\$1.90 per day have had minimal growth.
- South Asia, has been the hardest hit region, showing significant growth in overall poverty.
- Globally, the group which has lost the largest number of working hours is the lower middle-income individuals.
- The low-income group has been the least impacted by reduced working hours.

CONCLUSION

- Lock down measures implemented to curb the spread of the virus have disproportionately affected those with lower-middle income.
- The economic decline caused by the lockdown measures has been catastrophic to their financial circumstances.
- Which is illustrated by the overall increase in poverty rates since covid.
- Increase in poverty rates will also result in greater income disparity between the richest and poorest.
- Data pre-covid illustrated a decline in global poverty however, this camouflaged the reality of some regions experiencing an increase in poverty.
- The negative impact of coronavirus on reducing poverty is evident but coronavirus cannot be blamed for not achieving the first sustainable development goal, which is to eliminate poverty everywhere by 2030.

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THANK YOU