

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the left and right sides of the slide, framing the central text area. The shapes include triangles, quadrilaterals, and polygons, some of which are semi-transparent, creating a layered effect.

Exploring Factors Affecting A Nation's Social and Economic Standing Through Global Analysis

By: Kevin Huang

Focus and Overview

Business Question:

What factors contribute to the differences in a country's social and economic status between developed and developing countries?

Focus:

We want to find out what developing countries need in order to develop to a similar level to the current developed countries.



Dataset and Metrics

- ▶ **Dataset from World Health Organization (WHO) from 2000 to 2015**

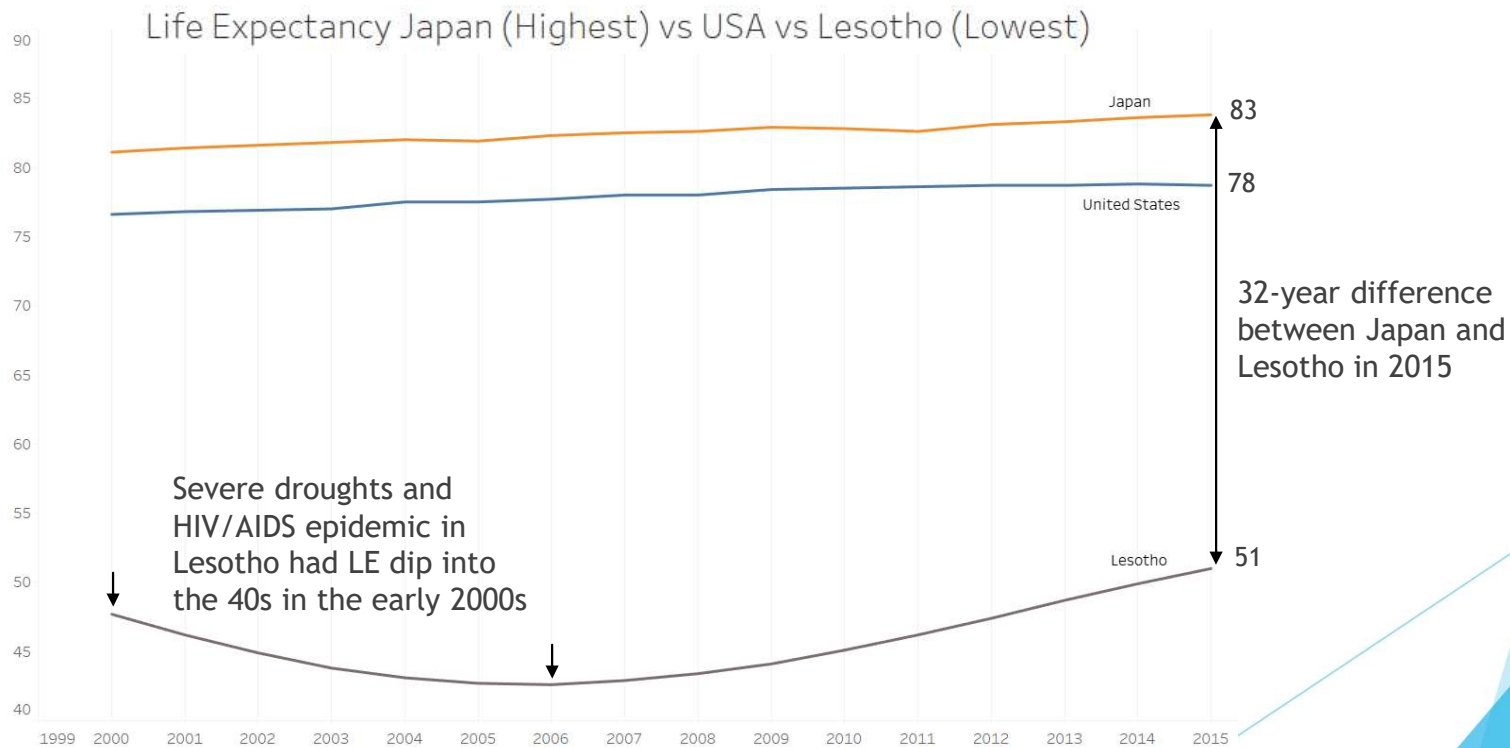
Does not include data from Greenland, South Korea, North Korea, Taiwan, Sudan, and Western Sahara)

- ▶ **Relevant Metrics:**

- Life Expectancy
- GDP per Capita
- Years of Schooling
- Body Mass Index (BMI)
- Diseases (HIV)

Life Expectancy

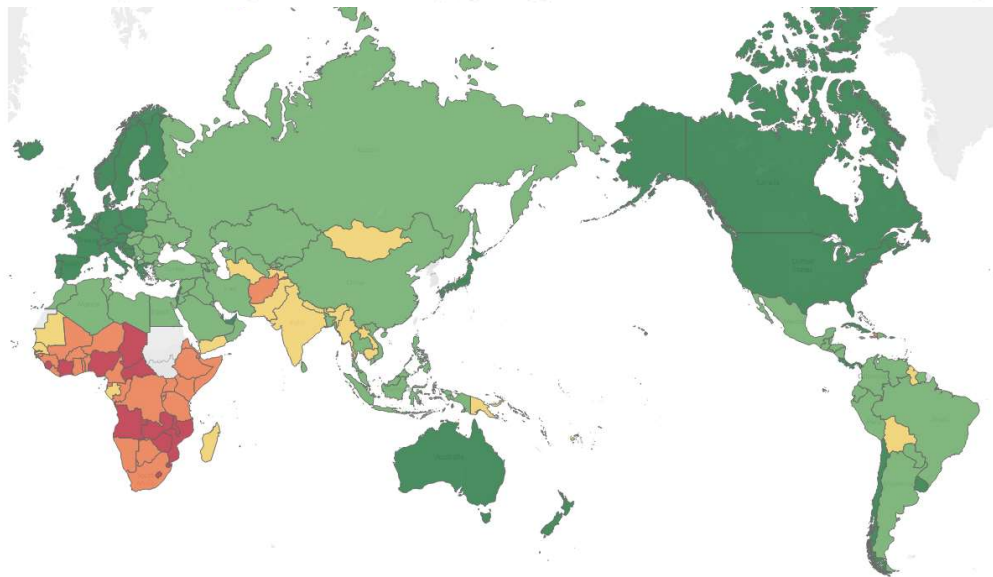
- ▶ Developed countries such as the USA and Japan have higher life expectancies due to access to proper medical care, smaller poverty class, abundant resources, and a large economy.



Life Expectancy Cont.

- ▶ Developed regions such as North America, EU, Australia, and Japan have the highest life expectancies in the world.
- ▶ Developing regions such as countries in Southern Asia, South America, and Africa have life expectancies around 12 years lower with Africa having the lowest at 20 years lower.

Life Expectancy World Map (Gray means no data for country)



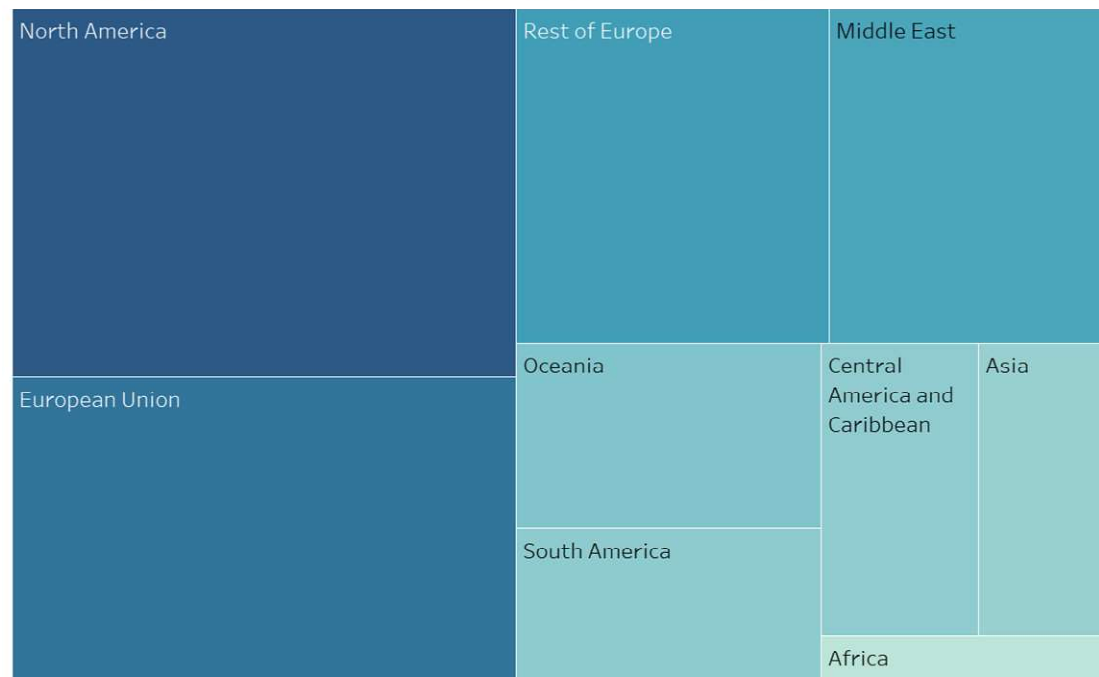
Average Life Expectancy for...

Developed country : 78.5 years
Developing country: 66.3 years
African continent: 57.9 years

GDP per Capita

- ▶ GDP per Capita is the economic output of a nation per person.
- ▶ Region with highest GDP per Capita is North America closely followed by the European Union.

North America and European Union Above Developed Status Threshold for GDP per Capita in 2015

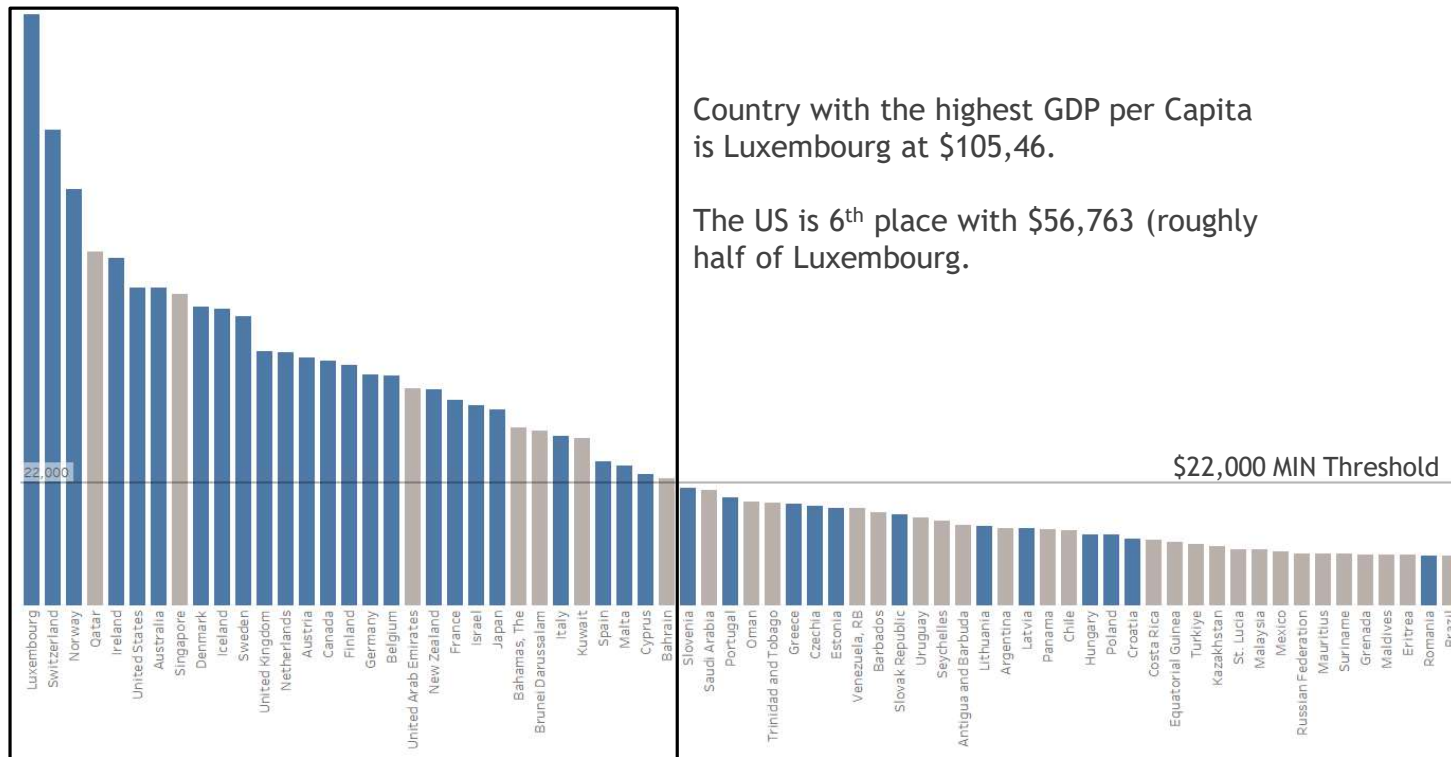


NA and EU combined made up for **45.7%** of the global GDP per Capita in 2015 (excluding Greenland, South Korea, North Korea, Taiwan, Sudan, Western Sahara as there was no data available on them).

GDP per Capita Cont.

- ▶ 24 of the 31 countries ABOVE the minimum threshold are **developed** countries.

GDP per Capita for each Country in 2015 (\$22,000 is MIN threshold for **developed** status)



Years of Schooling

- ▶ Developed countries have higher levels of education and more years of schooling creating highly capable individuals.
- ▶ Developed countries average at 11.35 years of schooling while developing countries only sits at 6.66 years.
- ▶ Developed countries average at 4.69 more years of schooling than developing countries.

European Union with Highest Years of Schooling

European Union	11.065
North America	11.035
Rest of Europe	10.775
South America	8.022
Oceania	7.877
Central America and Caribbean	7.809
Middle East	7.714
Asia	7.375
Africa	4.593

EU, NA, and Rest of Europe take top 3 for years of schooling.

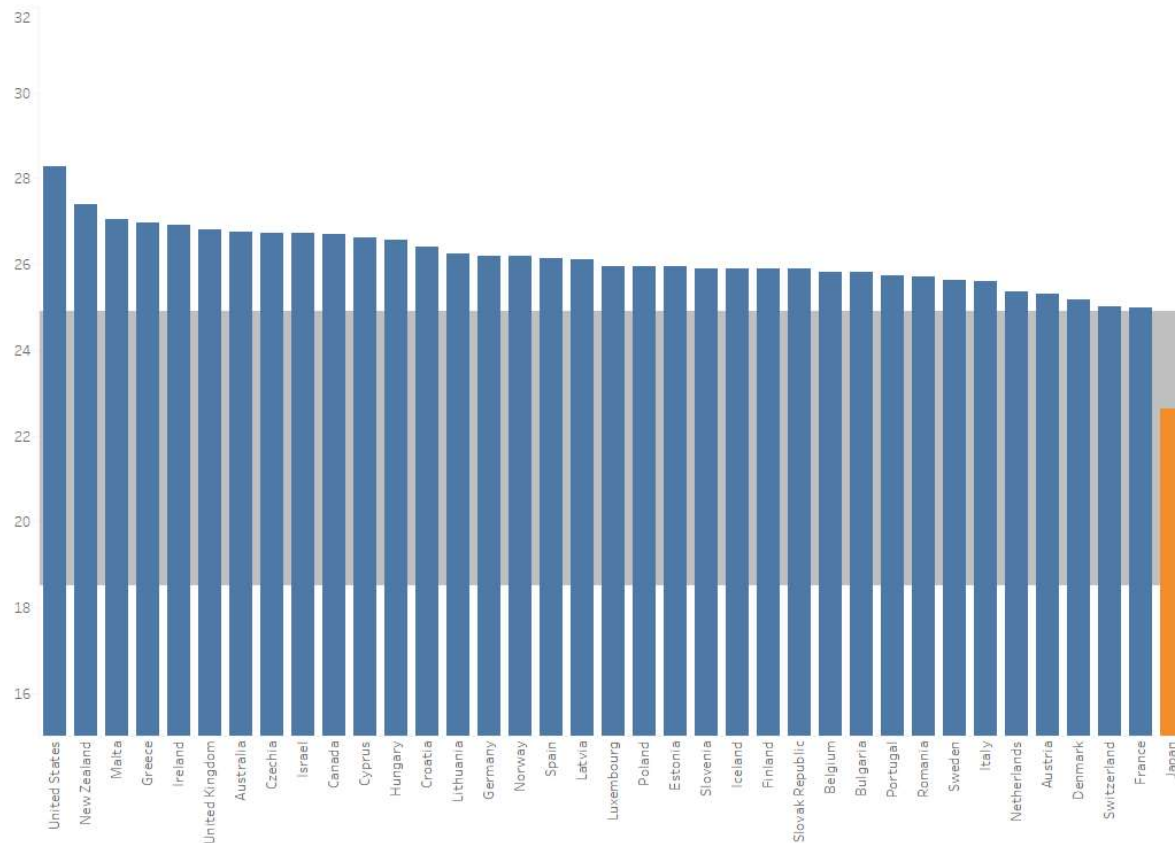
Developed Countries (in blue) Dominate in Highest Years of Schooling

Germany	13.27
United States	13.01
Switzerland	12.61
Denmark	12.51
United Kingdom	12.49
Norway	12.49
Israel	12.47
Canada	12.27
Estonia	12.24
Australia	12.19
Georgia	12.18
Sweden	12.14
Czechia	11.98
Latvia	11.89
New Zealand	11.86
Slovenia	11.81
Lithuania	11.76
Poland	11.72
Netherlands	11.71
Ireland	11.64
Russian Federation	11.53
Finland	11.51
Japan	11.47
Luxembourg	11.42
Kazakhstan	11.39
Slovak Republic	11.26
Hungary	11.26
Cyprus	11.08

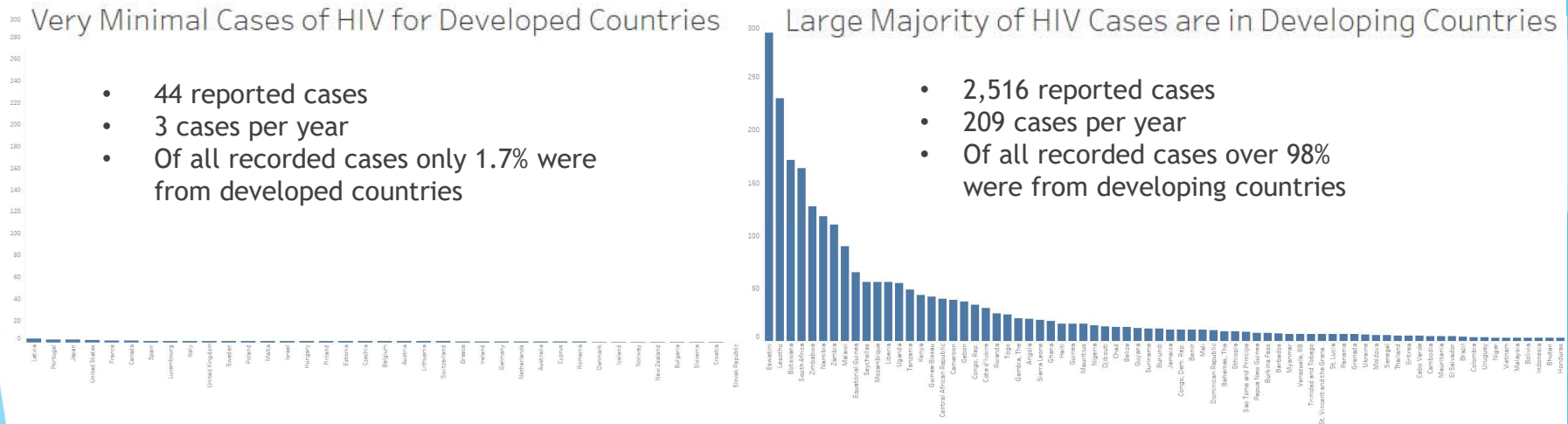
Body Mass Index (BMI)

- ▶ Below 18.5 is underweight
- ▶ 18.5 to 24.9 is in the healthy range
- ▶ 24.9 to 29.9 is overweight
- ▶ Above 29.9 is obese
- ▶ Developed countries have a slightly higher BMI due to abundant access to food unlike developing countries who often struggle with a larger poverty class.
- ▶ Developed countries average at a BMI of 26.08 while developing countries are at 24.76.

Only Japan is in the Healthy BMI Range for Developed Countries

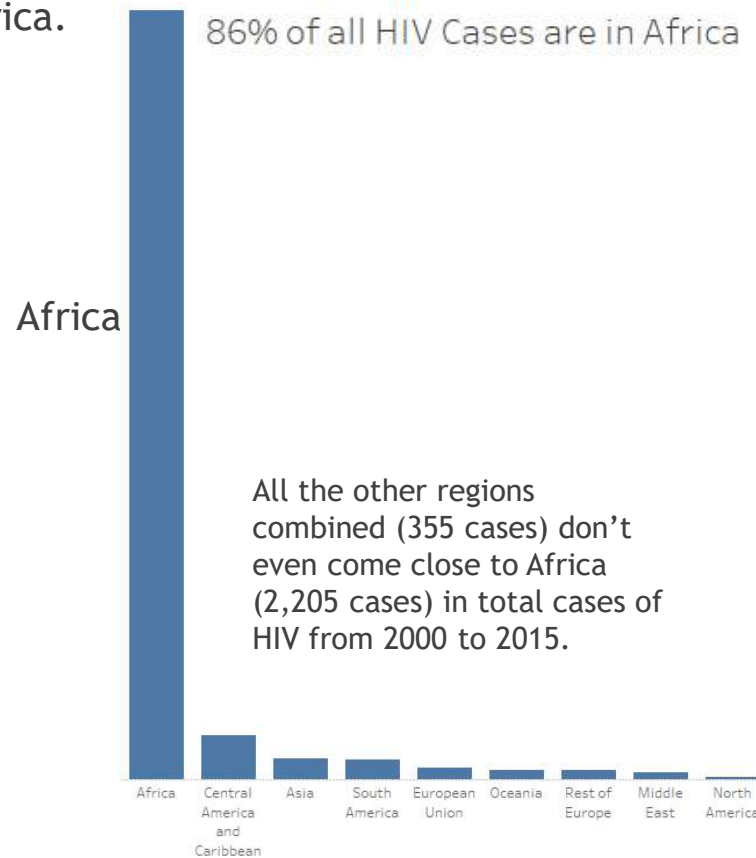


- ▶ Developed countries have the medical education, capability, and technology to prevent and minimize the spread and effects of diseases such as HIV.
- ▶ There are significantly **LESS** cases of HIV in **DEVELOPED** countries



Diseases (HIV) Cont.

- ▶ A significant portion of these cases come from the poorest of countries most of which are in Africa.



Results

From this data and analysis, we learned:

- ❑ Developed countries have (compared to developing countries):
 - **Higher** life expectancy (12.2 years higher)
 - **Higher** GDP per Capita (5.63 times higher or \$29,837 higher in 2015)
 - **More** years of schooling (4.69 more years)
 - **Slightly Higher** Body Mass Index (1.32 higher)
 - **Significantly Less** cases of HIV (only 1.7% of total cases are from developed nations from 2000 to 2015)

Recommendation

Actionable steps (where to allocate budget):

- ▶ Allocate budget on education and educating the younger generations
- ▶ Build an economic system that rewards hard work and contribution to the development of the nation
- ▶ Establish a system of law that punishes crime and ill behavior
- ▶ Utilize the country's natural resources to gain economic power
- ▶ Focus on farming and domestic food production as importing is expensive
- ▶ Gather medical professionals and focus on research to fight diseases that shorten lifespan

Works Cited

- ▶ “Assessing Your Weight.” *Centers for Disease Control and Prevention*, 3 June 2022, www.cdc.gov/healthyweight/assessing/index.html.
- ▶ “Drought and HIV/AIDS Combine to Prolong Lesotho’s Misery, Say UN Agencies | UN News.” *United Nations*, news.un.org/en/story/2004/03/96062. Accessed 7 June 2023.
- ▶ Goch, Lasha. “Life Expectancy (WHO) Fixed.” *Kaggle*, 30 Mar. 2023, www.kaggle.com/datasets/lashagoch/life-expectancy-who-updated.
- ▶ Majaski, Christina. “What Is a Developed Economy? Definition, How It Works, HDI Index.” *Investopedia*, 19 Dec. 2022, www.investopedia.com/terms/d/developed-economy.asp#:~:text=Understanding%20a%20Developed%20Economy,-The%20most%20common&text=Some%20economists%20consider%202412%2C000%20to,is%20above%20%2425%2C000%20or%20%2430%2C000.
- ▶ Team, The Investopedia. “GDP per Capita Defined: Applications and Highest per Country.” Edited by Thomas Brock, *Investopedia*, 30 May 2023, www.investopedia.com/terms/p/per-capita-gdp.asp#:~:text=GDP%20per%20capita%20measures%20the,per%20person%20in%20a%20nation.

Thank you

and have a great day!

