

World Development Indicators

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Introduction

GDP per Capita

GDP per capita is a country's GDP divided by its total population (Worldometer 2022). From the 203 countries with data on GDP per capita, the mean is \$20345.71. The GDP per capita between different countries vary greatly, with the maximum being \$240862.18 and the minimum being \$259.03

```
count      203.000000
mean       20345.707649
std        31308.942225
min         259.025031
25%        2570.563284
50%        7587.588173
75%        25982.630050
max        240862.182448
Name: gdp_per_capita, dtype: float64
```

Inflation Rate

The inflation rate in a country is the increase in prices over a given period of time (Oner n.d.). The average inflation rate in the 169 observed countries is 12.5%. Some countries have an inflation rate in the negatives, with the minimum value in this dataset being -6.69%

```
count      169.000000
mean        12.493936
std         19.682433
```

```
min      -6.687321
25%      5.518129
50%      7.967574
75%     11.665567
max     171.205491
Name: inflation_rate, dtype: float64
```

Measles Immunization Rates

Measles is an extremely deadly disease that has affected many nations for centuries. The rate at which the populations in a country are vaccinated for measles is greatly important to the overall health of the population. From the observed 193 countries, the average measles vaccination rate is 83.85%.

```
count    193.000000
mean     83.854922
std      15.996083
min       0.000000
25%      76.000000
50%      90.000000
75%      96.000000
max      99.000000
Name: measles_immunisation_rate, dtype: float64
```

GDP Growth Rate

The GDP growth rate measures how fast a country's economy is growing / shrinking each year. This visualization compares a country's growth rate and its GDP per capita in the year 2022. From the graph, it appears that many of the countries that have higher GDPs do not have either a high or low GDP growth rate.

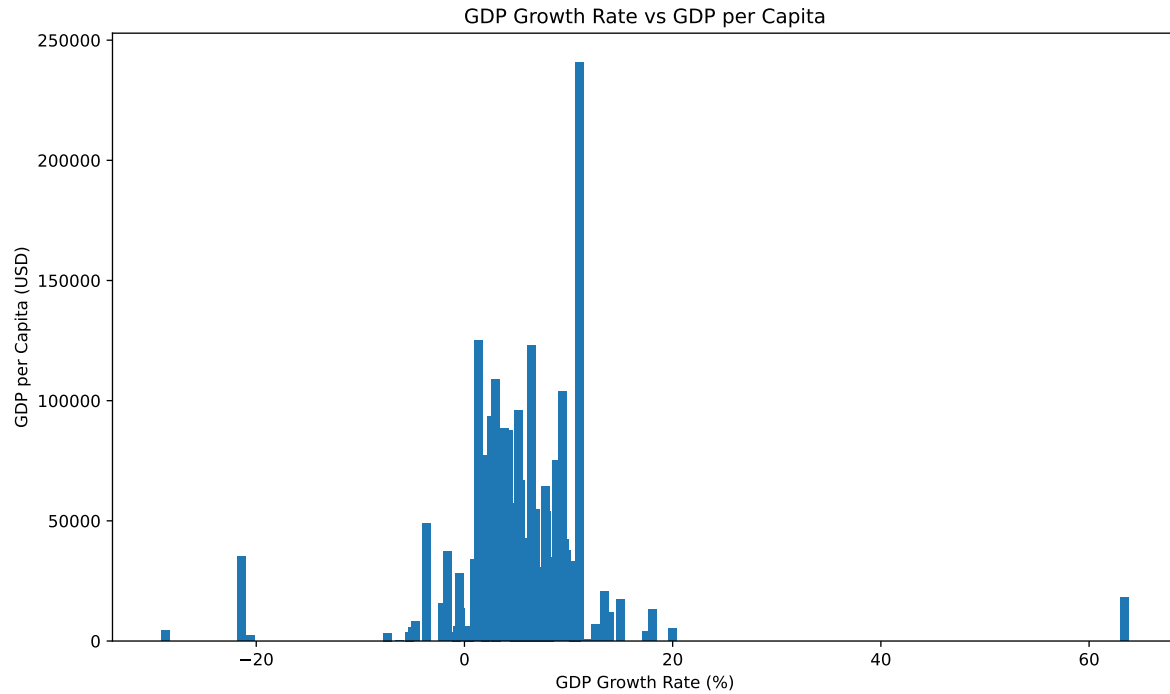


Figure 1: a bar chart showing the GDP Growth Rate vs GDP per Capita. Source: (Bank 2024)

Measles Immunisation Rate vs Life Expectancy

This graph compares the percentage of the population in a country that has received an immunisation from measles. According to the data, countries that have a higher percentage of their population vaccinated for measles, the average life expectancy is higher.

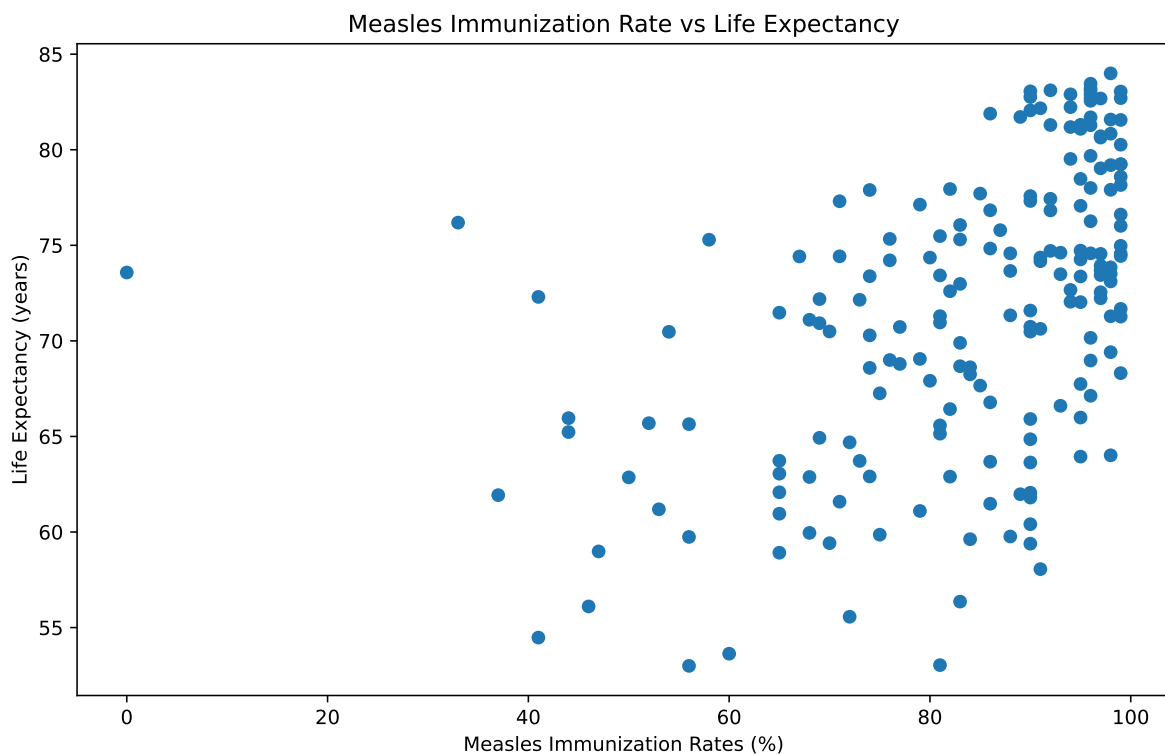


Figure 2: a scatter plot showing the Measles Immunization rate vs Life Expectancy. Source: (Bank 2024)

Key Findings and Statistics

	measles_immunisation_rate	gdp_growth_rate	inflation_rate
count	193.000000	202.000000	169.000000
mean	83.854922	4.368901	12.493936
std	15.996083	6.626811	19.682433
min	0.000000	-28.758591	-6.687321
25%	76.000000	2.438593	5.518129
50%	90.000000	4.204431	7.967574
75%	96.000000	6.200000	11.665567
max	99.000000	63.439864	171.205491

Bank, World. 2024. "World Development Indicators." <https://databank.worldbank.org/source/world-development-indicators>.

- Oner, Ceyda. n.d. “Inflation: Prices on the Rise.” *Finance & Development: Back to Basics*, n.d., 30–31. <https://www.imf.org/en/Publications/fandd/issues/Series/Back-to-Basics/Inflation>.
- Worldometer. 2022. “GDP Per Capita by Country.” <https://www.worldometers.info/gdp/gdp-per-capita/>.