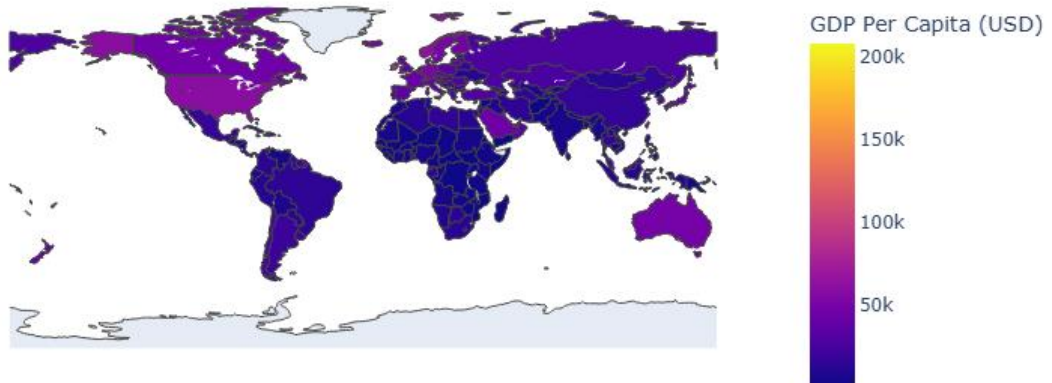


Report on some indicators in the world in 2020

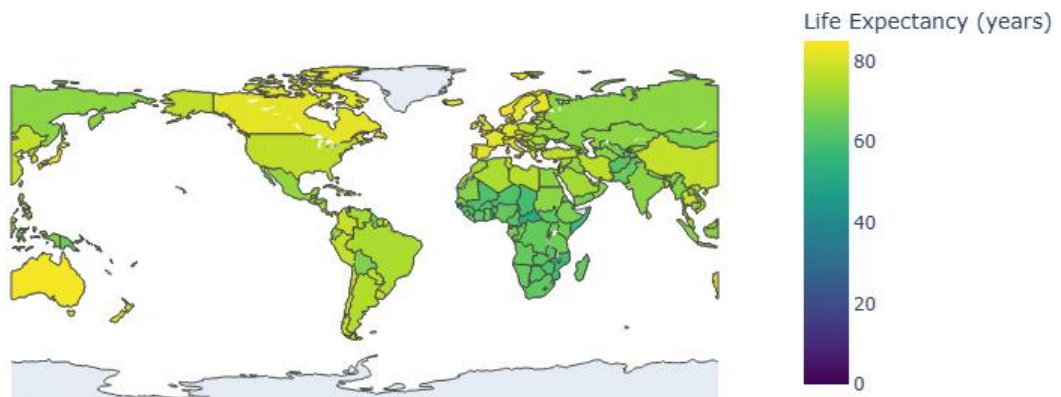
GDP Per Capita by Country (2020)



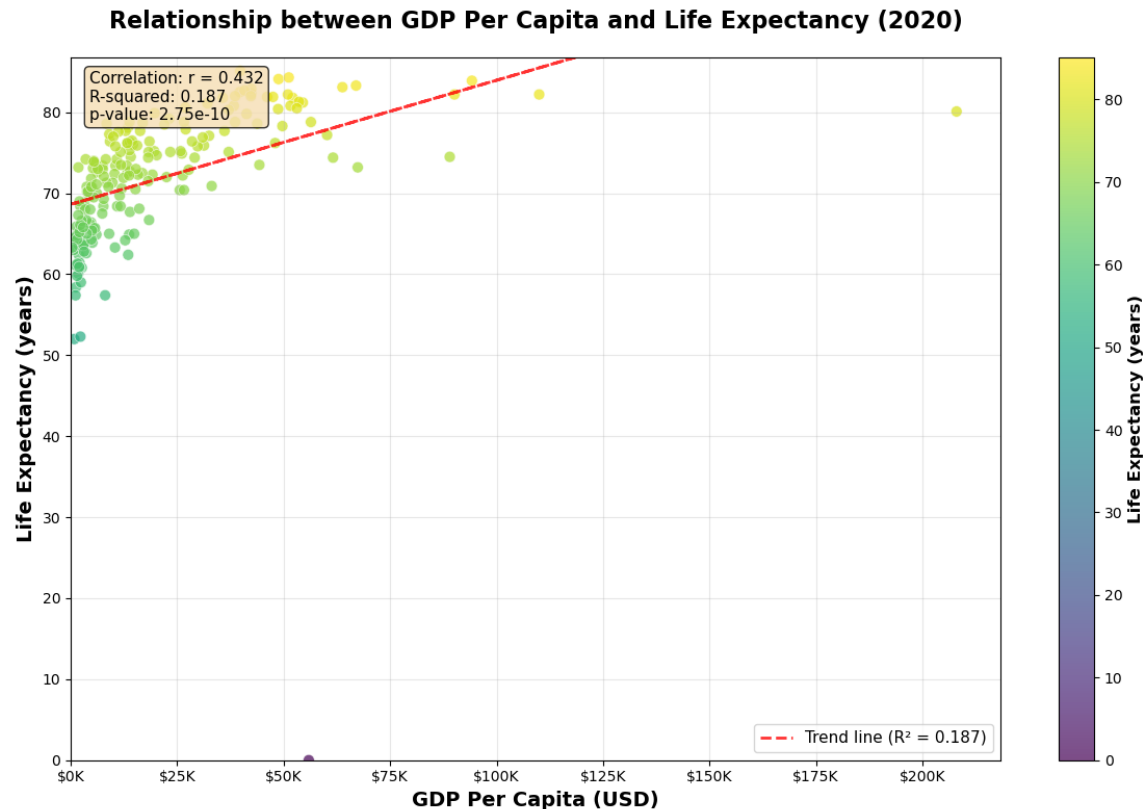
GDP Per Capita Map 2020: Displays economic prosperity across countries, with warmer colors representing higher GDP per capita. This map shows the stark economic disparities between developed and developing nations.

Life expectancy in the world

Life Expectancy by Country (2020)



Life Expectancy Map 2020: Shows global patterns in life expectancy, with darker colors indicating higher life expectancy. The map reveals clear regional patterns with developed countries generally showing higher life expectancy



Key Findings:

Moderate Positive Relationship: There's a statistically significant positive correlation ($r = 0.43$) between GDP per capita and life expectancy, meaning wealthier countries tend to have higher life expectancy.

Limited Explanatory Power: The R-squared value of 0.19 indicates that GDP per capita explains only about 19% of the variation in life expectancy, suggesting other factors (healthcare systems, education, lifestyle, etc.) play crucial roles.

Countries with highest life expectancy include Japan (85.1 years), Iceland (84.3), and Australia (84.1), showing that high life expectancy doesn't always require the highest GDP

The wealthiest countries (Monaco, Luxembourg, Singapore) don't necessarily have the highest life expectancy, reinforcing that wealth alone doesn't determine longevity.

Conclusion: While economic prosperity generally supports longer life expectancy, the relationship is complex. Countries can achieve high life expectancy through effective healthcare systems, healthy lifestyles, and social policies, even without being among the

wealthiest nations. This suggests that how wealth is utilized for public health and social welfare may be more important than absolute wealth levels. Life expectancy can also be influenced by lifestyle in a country, diet, the level of tobacco and alcohol consumption. For instance, Japanese have a healthier diet than European and American. The health system also plays a role.