

GDP & Mortality Rates and What We Can Do

Elizabeth Walker
23 March 2025

Problem

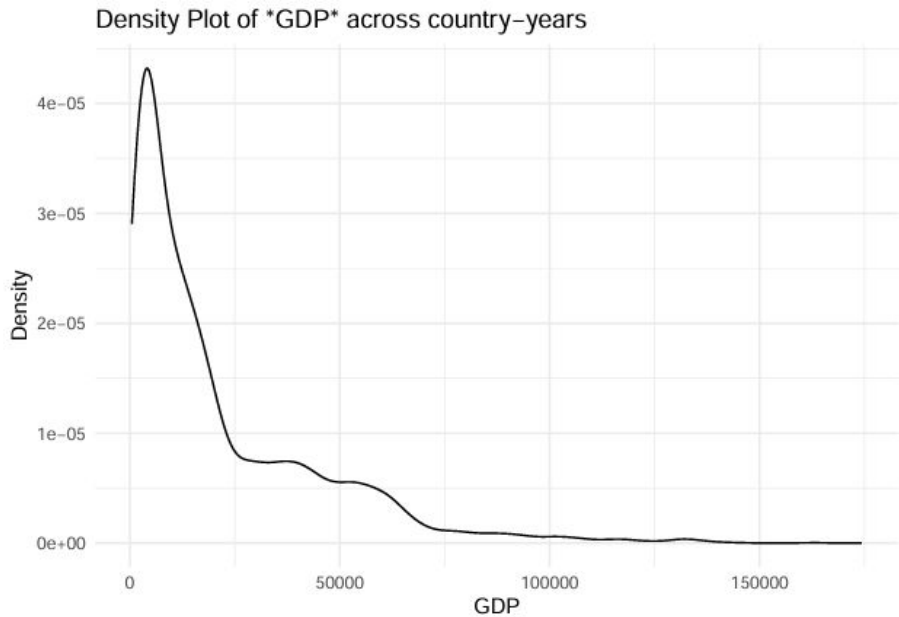
Are GDP & Mortality rates
are connected. If so, what
can we do?

Analytical Goals

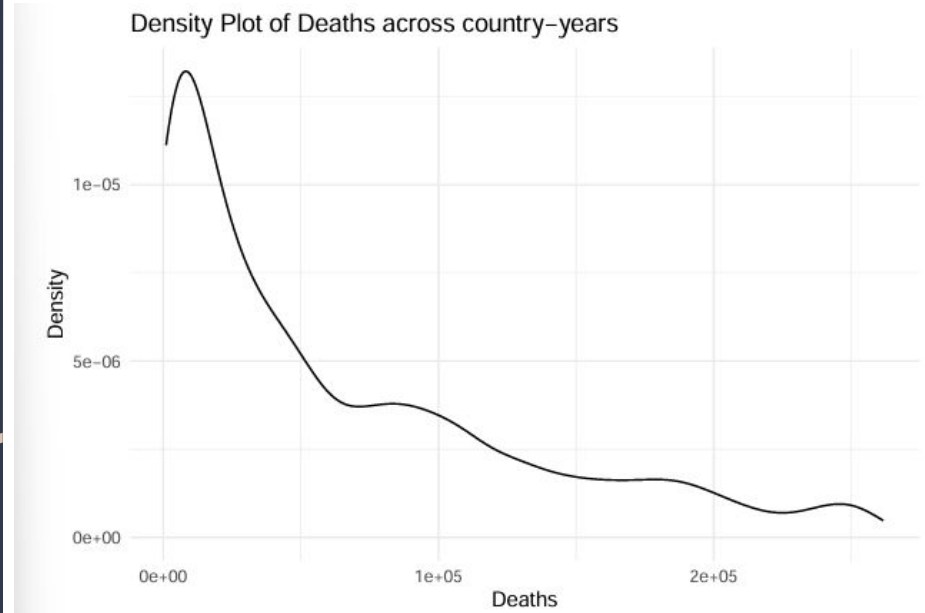
WHY: allow for a better understanding of the relationship between GDP and Mortality Rates and what is possibly causing it

HOW: Using data from OurWorldInData and merging two data sets to determine the relationship.

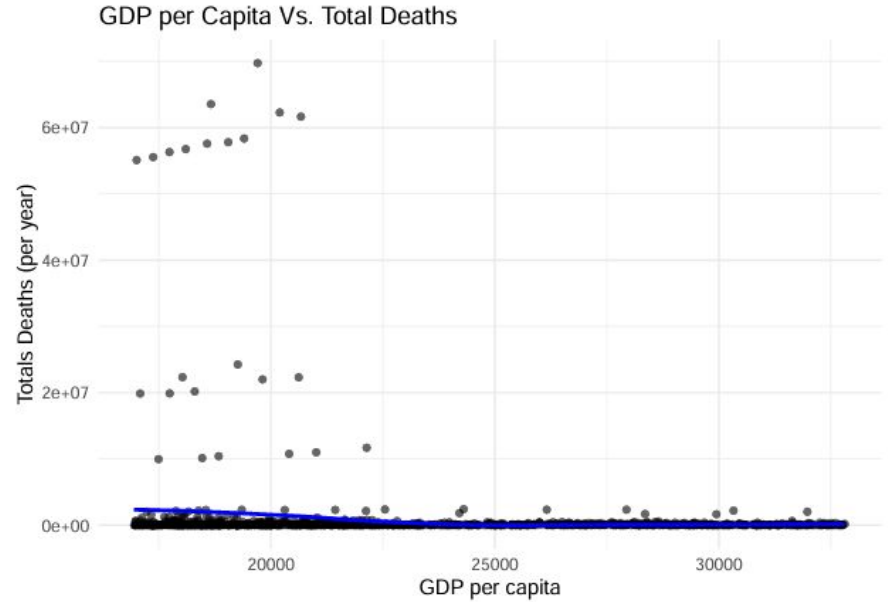
Density Plot of GDP



Density Plot of Deaths



Data Trend- Negative Correlation



Summary

- Negative correlation between GDP per capita and mortality rates
 - wealthier nations exhibiting significantly lower avg. death counts
- Economic development may be inversely related to population-level mortality
- The relationship is likely confounded by
 - population size
 - demographic structure
 - health system capacity.

Application

Public health campaigns could focus on the following methods for countries with lower GDP per Capita

- Mobile health clinics
- Nutrition support programs
- Fortification
- Clean water projects