

Case Study: Understanding the Relationship Between Economic Growth and Public Health

Your Mission

Imagine you are a policy analyst at the United Nations Development Programme (UNDP), tasked with presenting a groundbreaking report to world leaders. Your focus is on analyzing how economic growth, measured by GDP per capita, has historically influenced life expectancy across the globe's diverse economies. This is your chance to uncover patterns that could redefine global development strategies and inspire future policies.

The Scenario

You have access to a wealth of historical data on GDP per capita and life expectancy for countries spanning decades. These nations vary widely in their economic classifications—some are lower income, some are lower-middle income, others are upper-middle income, and many are high income. Your goal is to explore whether their current economic standings were historically predetermined or if they evolved over time due to unique factors. Additionally, you'll compare trends within these groups to identify how quickly and drastically countries diverged from one another.

Your findings will contribute to understanding the broader question: How does economic growth impact public health across varying economic circumstances? By identifying key trends and divergences, your work could shape how international organizations prioritize funding and interventions.

Your Role

As the lead analyst, you will:

- Examine historical data trends for GDP per capita and life expectancy in countries.
- Classify these nations into four groups based on World Bank classifications—Low Income, Lower-Middle Income, Upper-Middle Income, and High Income—and analyze patterns within and across these groups.
- Identify outliers or unexpected trends that challenge conventional assumptions about economic growth and public health.

Deliverable

Your task is to produce a compelling report that highlights your findings and insights. This report will serve as a key resource for policymakers, offering actionable recommendations on how to address disparities in public health outcomes tied to economic growth.

GitHub Link: <https://github.com/charliashby/MI3-Project-2>