

WHO Deliverable: Improving Life Expectancy

DIIG Data Challenge, Fall 2023 | Alayna Binder (ajb197)



What factors have the greatest impact on improvements in life expectancy?

(In Developing Countries)



High Life Expectancy



Adult Mortality,
Under-Five
Deaths



Thinness 5-9
years, HIV/AIDS

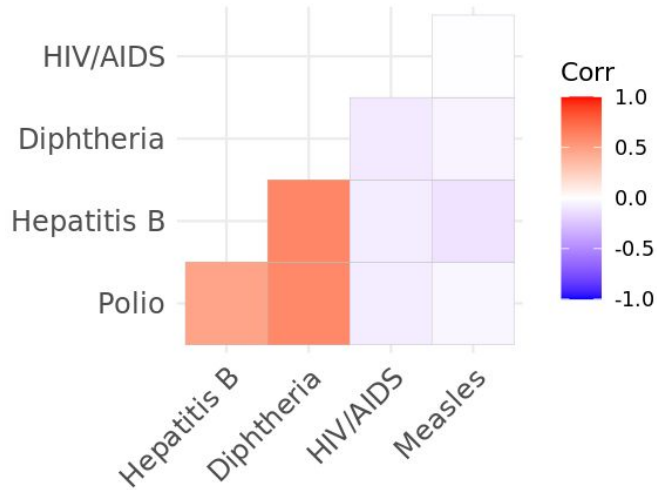


Hepatitis B
Immunization,
Schooling

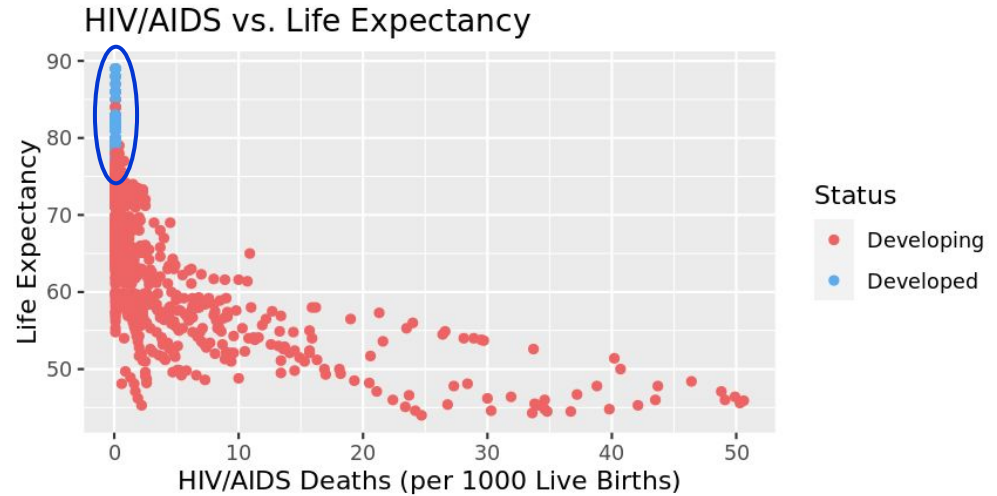


Alcohol

Immunization & Disease Correlation



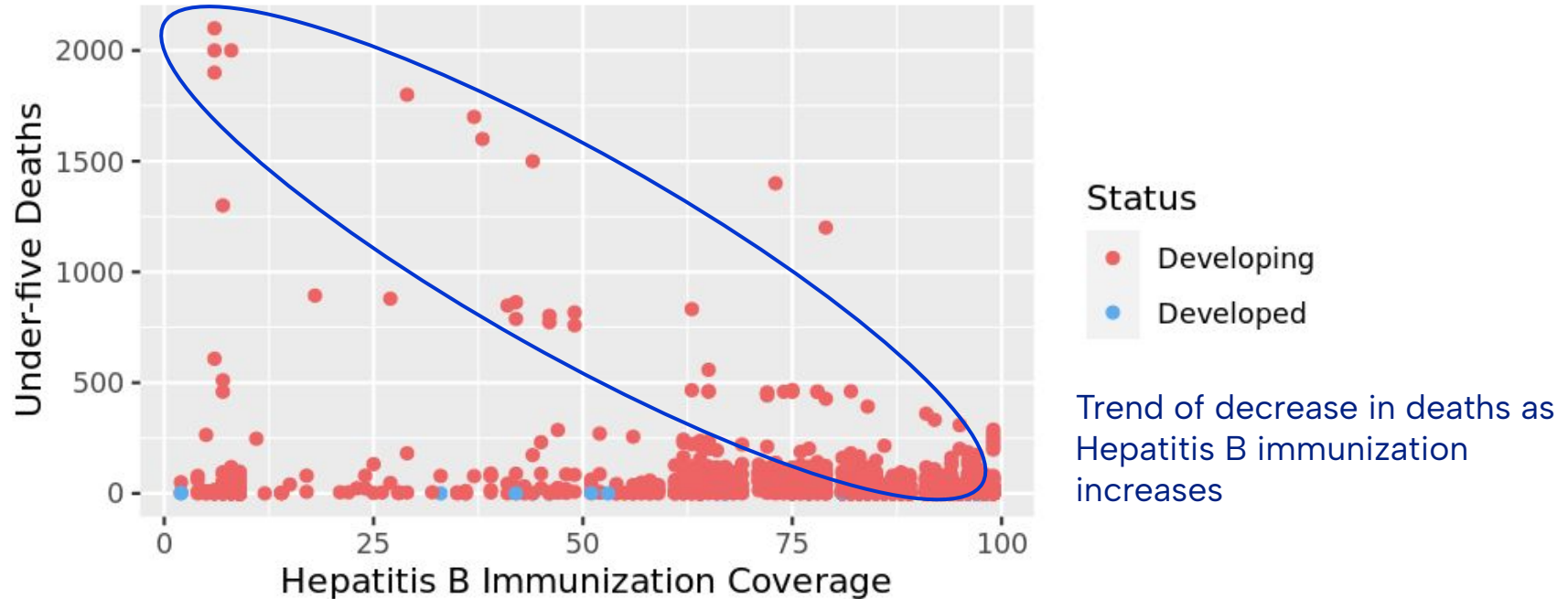
- High, (+) correlation between Hepatitis B, Diphtheria, and Polio immunizations



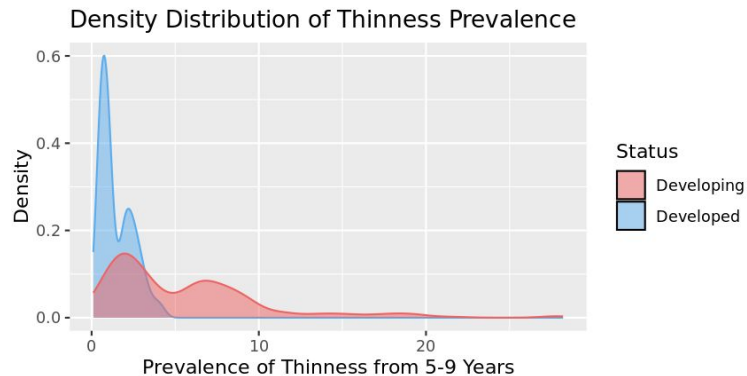
- Cluster of developed countries
- Significant decline in life expectancy as HIV/AIDS deaths increase

Immunization vs. Deaths

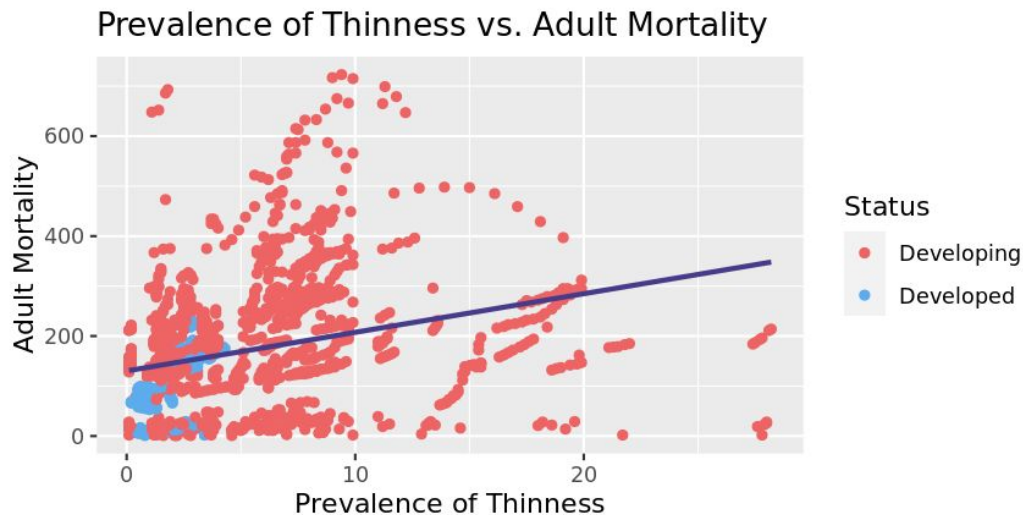
Hepatitis B Immunization Coverage vs. Under-five Deaths



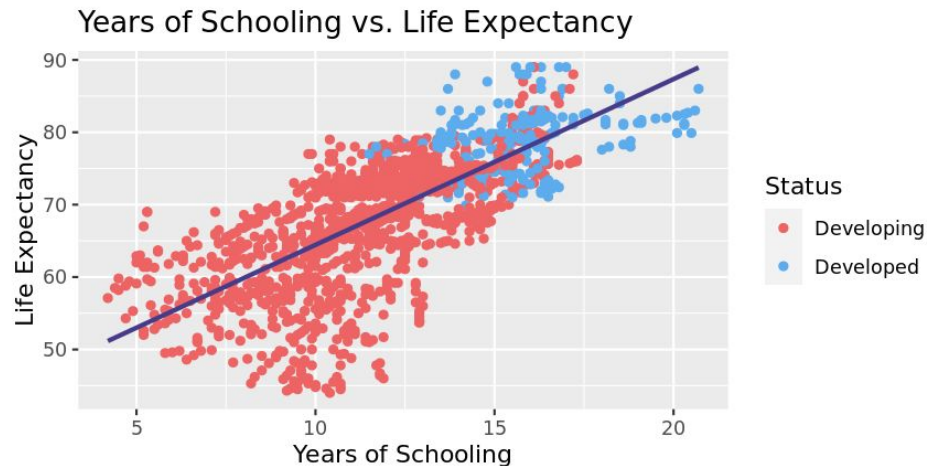
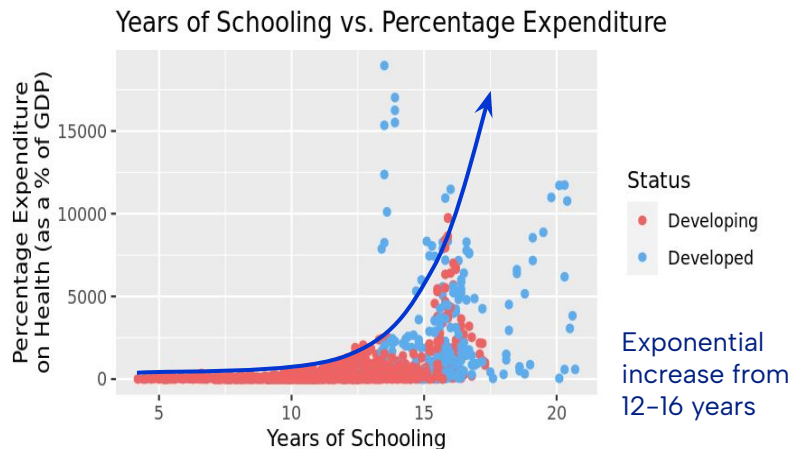
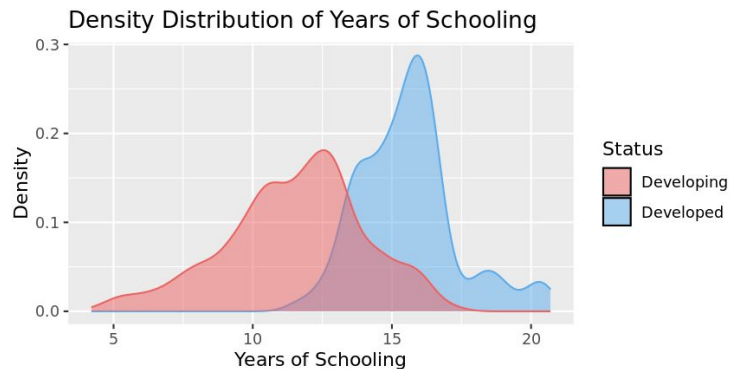
Prevalence of Thinness vs. Adult Mortality



- Relatively strong positive association between prevalence of thinness and probability of adult mortality



Schooling vs. Expenditure & Expectancy



- Clear positive association between years of schooling and life expectancy

Sectors of Investment

Suggestions



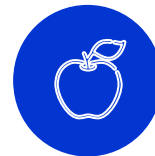
Adult Mortality

Improve disease prevention;
increase education



Under-Five Deaths

Increase Hepatitis B
immunizations, food access



*Thinness

Channel money towards/develop
local farms & production



*HIV/AIDS

Spread awareness;
destigmatization



*Hepatitis B

Offer free immunizations;
improve outreach, especially
to rural communities



*Schooling

Invest in school infrastructure
& curriculum

THANK YOU!



→ QUESTIONS?
→ NEXT STEPS

