# Structured Pyramid Analysis Plan

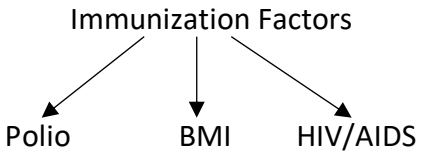
Across countries, high life expectancy is associated with high income per capita. But does immunization have improvement life expectancy rate or not?
In theory, increasing life expectancy may have positive or negative effects. On one hand, lower mortality may increase income per capita by increasing the productivity of available resources (most notably human capital).
On the other hand, lower mortality may lead to an increase in population size. In the presence of fix factors of production a larger population tends to reduce income per capita.

Smart Goal:
Determining how immunization and economic factors will affect life expectancy rate of different countries.

Special Questions:
How much impact does specific immunizations have on life expectancy rate?
How will economic factors change the life expectancy rate?

Independent variables:
Immunization factors:

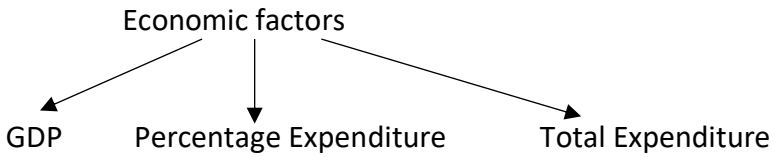
1. Polio
2. BMI
3. HIV/AIDS




Hypothesis on Immunization factors:
1. Life Expectancy rate will increase if Polio vaccine is taken.
2. Lower the BMI of a person, lower will be the life expectancy.
3. Life Expectancy rate will increase if HIV/AIDS vaccine is taken.

Economic Factors:

1. GDP
2. Percentage Expenditure
3. Total Expenditure




Hypothesis on Economic Factors:

1. Increase in life expectancy will increase the Gross domestic product of a country.
2. Percentage expenditure of a country decreases as the life expectancy increases.
3. Total expenditure of a country will decrease as the total expenditure increases.