
Human Development and Planet Pressure

—— Human Development Progress and A New Lens ——

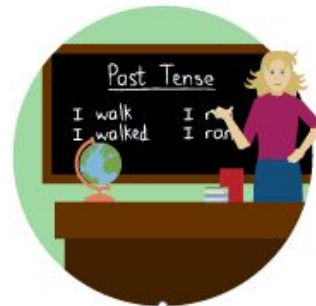
Human Development Index(HDI)

❖ What is HDI?

- A long and healthy life
- Being knowledgeable
- A decent standard of living



Life expectancy



Education



GNI per capita

Human Development Index(HDI)

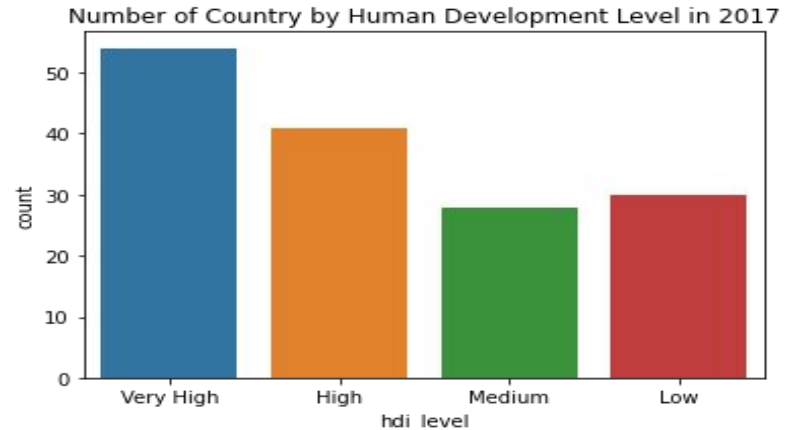
❖ Why HDI?

- Using a broad range of information (not tied up with only one measure)
 - 2 types of social data
 - Health
 - Education
 - 1 type of economic data
 - Income per capita

Human Development Index(HDI)

❖ Human Development Level

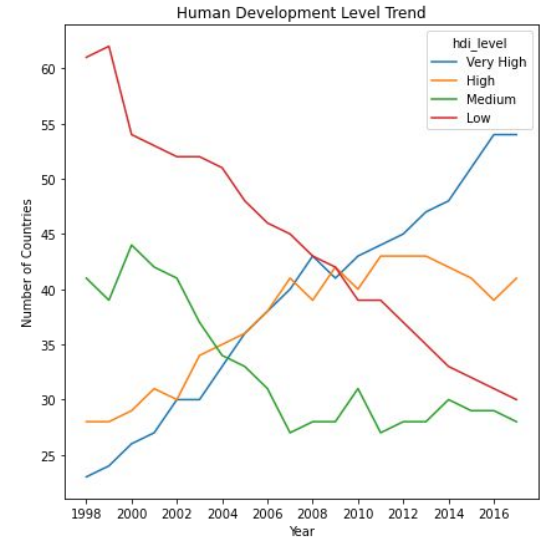
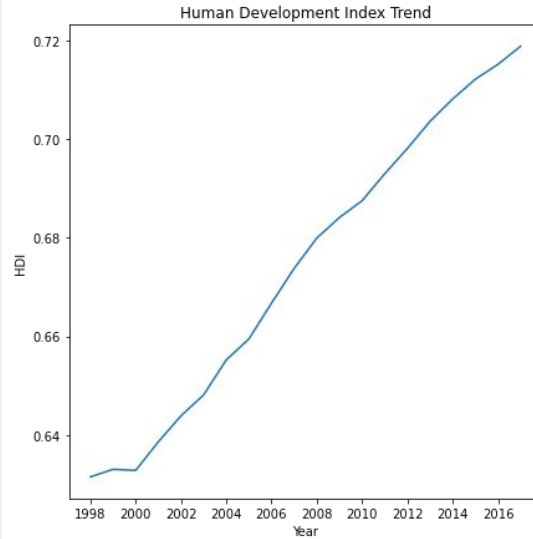
- Very High: $\text{HDI} \geq 0.80$
- High: $0.80 > \text{HDI} \geq 0.70$
- Medium: $0.70 > \text{HDI} \geq 0.55$
- Low: $\text{HDI} < 0.55$



Human Development Index(HDI)



World HDI Trend (1998-2017)



Planetary pressure-adjusted Human Development Index(PHDI)

❖ What is PHDI?

- Human development adjusted by
 - Carbon dioxide emissions per capita
 - Material footprint per capita

Planetary pressure-adjusted Human Development Index(PHDI)

❖ Why PHDI?

- PHDI measures the level of human development when planetary pressures are considered

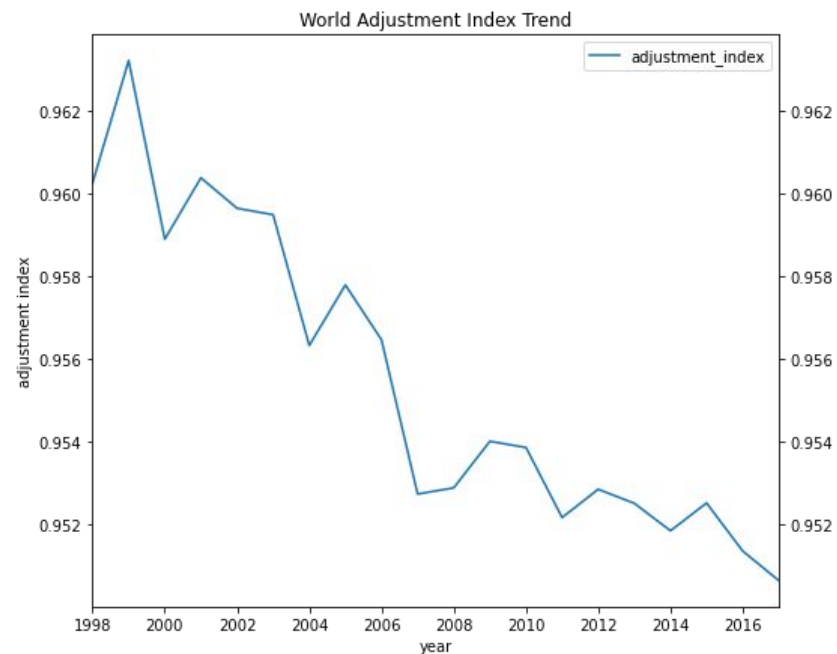
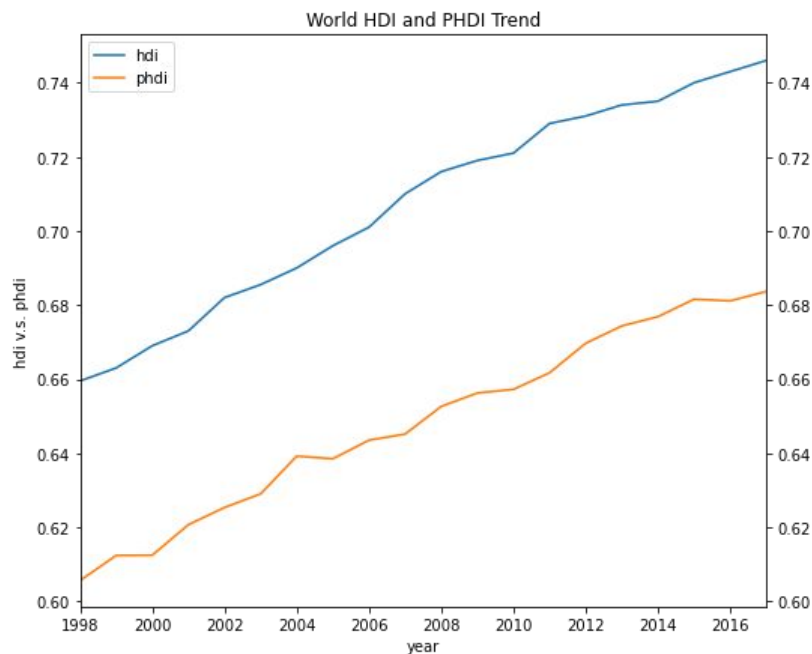
$$\text{PHDI} = \text{HDI} \times \text{Adjustment Index}$$

CO2 Emission
per capita

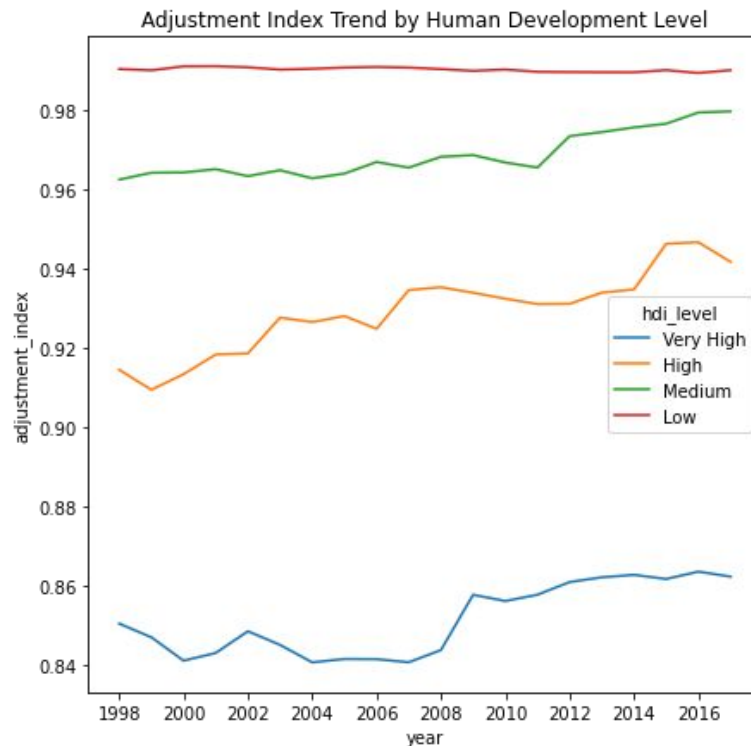
Material footprint
per capita



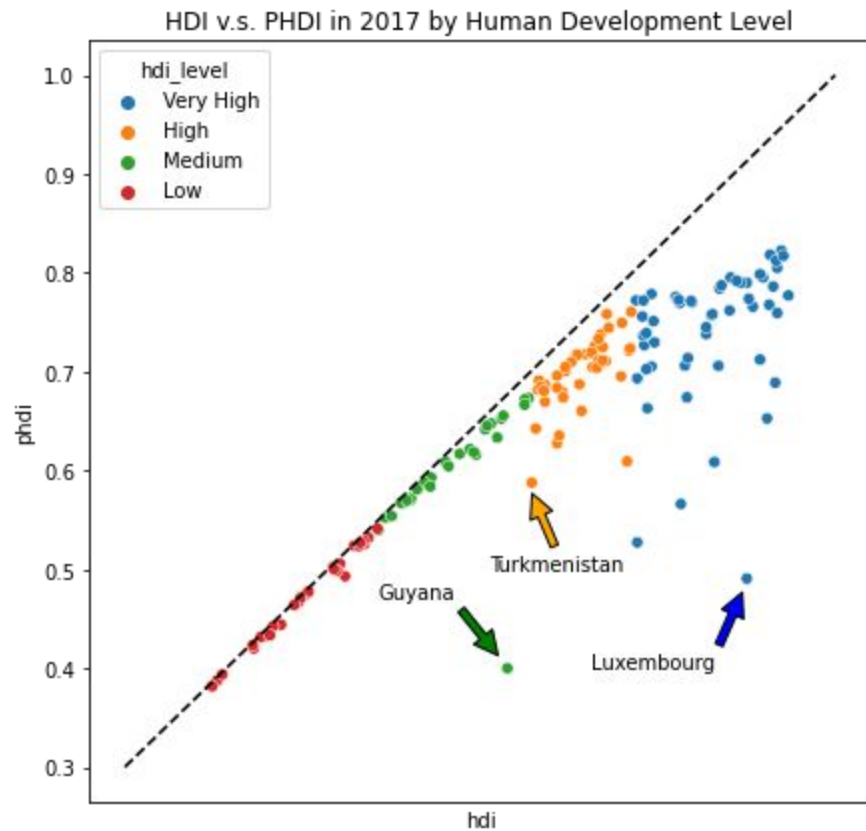
World HDI and PHDI Trend



Adjustment Index Trend by Human Development Level



HDI v.s. PHDI in 2017 by Human Development Level



Make the world A Better Place

