Worldbank Datensatz:

Introduction

* The dataset is sourced from the World Bank and covers key socio-economic, environmental, and public health indicators across multiple countries over the last ten years.
* It spans sectors like energy access, economic performance, education, health, and environmental sustainability.
* Key indicators:
  + Access to electricity: Proportion of the population with reliable energy.
  + Adjusted net national income per capita: Economic wellbeing, adjusted for capital depreciation and resource depletion.
  + Agricultural land: Percentage of total land area used for agriculture.
  + CO2 emissions
  + Central government debt: Indicator of fiscal stability.
  + Life expectancy at birth for females and males.
  + Prevalence of HIV among the adult population.
  + Prevalence of overweight children under age five.
  + Pupil-teacher ratio: Indicator of educational quality.
  + Government expenditure on education

Research Question

* Electricity and national income
  + How does access to electricity correlate with adjusted net national income per capita across different countries? Does this also depend on the country size or the inhabitants?
* Education
  + Do countries with higher central government debt as a percentage of GDP spend less on education relative to GDP?
  + Are countries with higher education spending able to maintain lower pupil-teacher ratios, and what impact might this have on education quality?
* HIV
  + How do countries with high child employment rates compare in terms of HIV prevalence in the population aged 15-49?
  + Do countries that spend more on healthcare per capita have lower HIV prevalence rates in the 15-49 population?
* Overweight
  + How does GDP per capita relate to the prevalence of overweight children (both male and female) under age 5 across countries?
* Agriculture
  + Is there a relationship between the percentage of agricultural land and CO2 emissions per capita across countries? Does the size of the surface area of the country play a role?