Exercise: Plotly

Carry out an explorative visual analysis of the dataset `wdi.csv` using Plotly. The dataset contains various indicators from the Worldbank's World Development Indicators (WDI) database. The goal is to get experience with the Plotly library (main focus), and also to practice finding insights/a story in the data (secondary focus.

- Using **Plotly Express**, create at least three different types of visualizations (e.g., line plot, scatter plot, bar chart).
- Explore **data encoding**, i.e. experiment with different mappings from data to visual channel. In particular consider the following aspects, and reflect on how they effect the easy of interpretation of the visualization:

  - Which column do you want to represent using the x-axis and y-axis?
  - Which columns do you want to encode via color, shape or size, etc?
  - How does the column type (e.g., categorical, numerical) influence your choices? How does the number of categories influence your choices?
  - Which types of encodings are possible/reasonable for scatter plots, line plots or bar plots respectively?

- Explore **scaling options** such as choosing a logarithmic scale for the axes, customizing the axis range, or choosing appropriate color scales. Reflect: how do your choices impact the visualization?