

# **Effective Programming Practices for Economists**

## **Plotting**

### **Working with graph objects**

Janoś Gabler and Hans-Martin von Gaudecker

# Three ways of using plotly

- As Pandas backend
- High-level interface: `plotly.express` (`px`)`
- Low-level interface: `plotly.graph_objects` (`go`)`

# What to plot?

- Life expectancy over time in Europe and Americas
- Trend for each country
- Make plot easier to read
- Highlight Poland and Canada