

Data Visualization in Stata (II.)

Data Exploratory Analysis.

Tomáš Oleš

Department of Economic Policy
Faculty of Economics and Finance

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Agenda

- Introduction to data exploratory analysis.
- Gain hands-on experience in creating advanced visualizations using STATA, including line plots, histograms, scatter plots, and box plots.

What Was the Key Principle of Visualization?

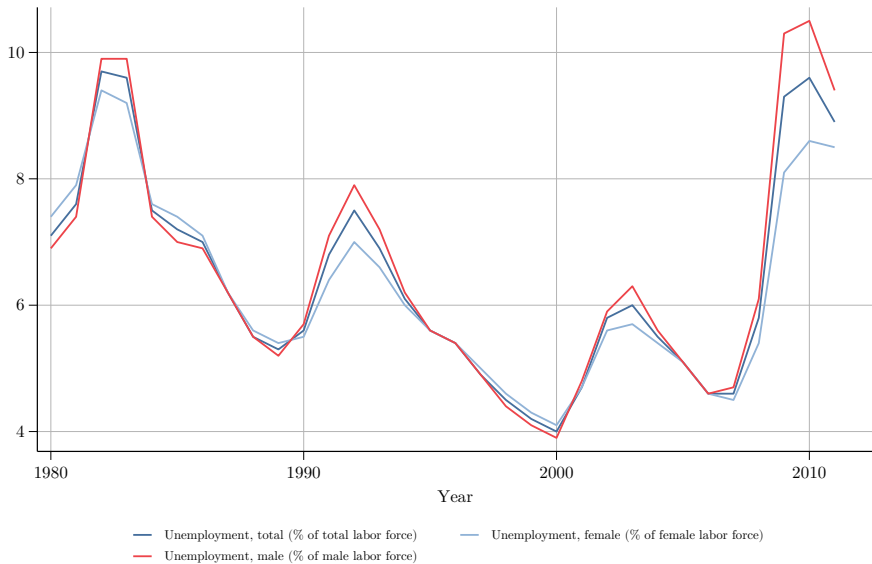


What Was the Key Principle of Visualization?

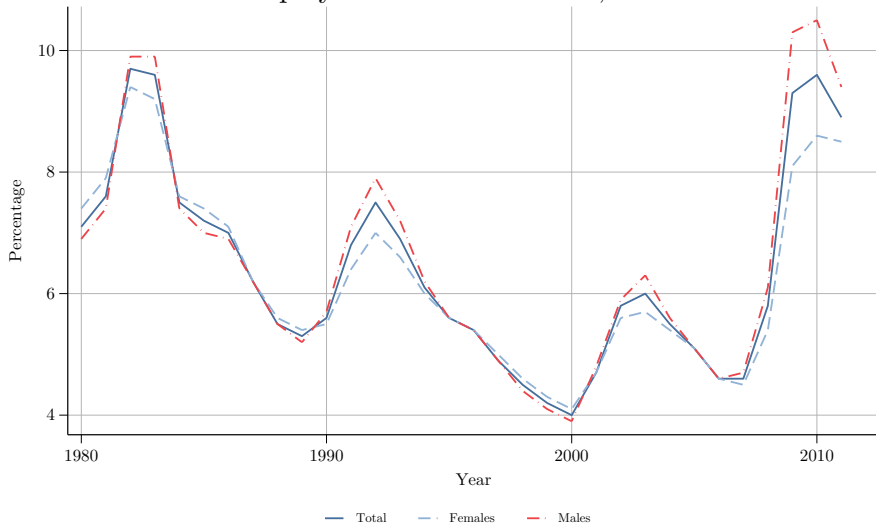
- “Visualization gives you answers to questions you didn’t know you had.” – Ben Schneiderman

Line Plots

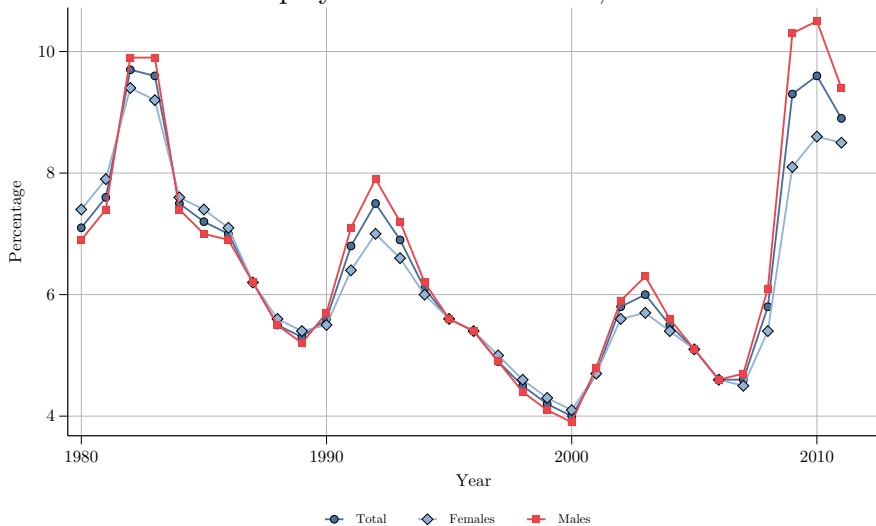




Unemployment rate in the US, 1980-2012



Unemployment rate in the US, 1980-2012

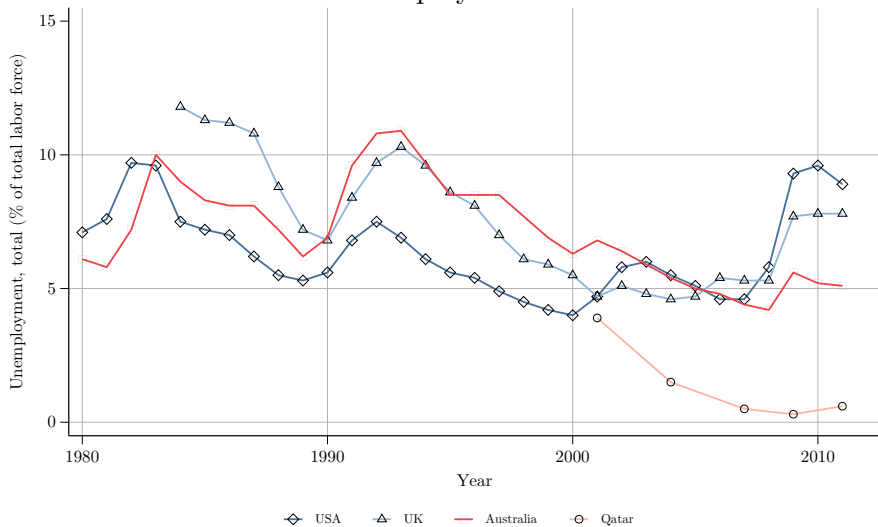


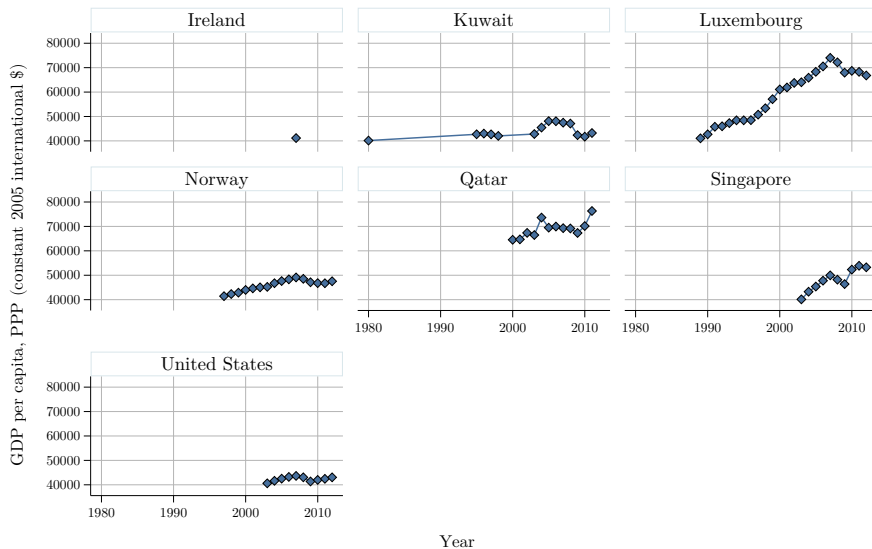
Unemployment Rate



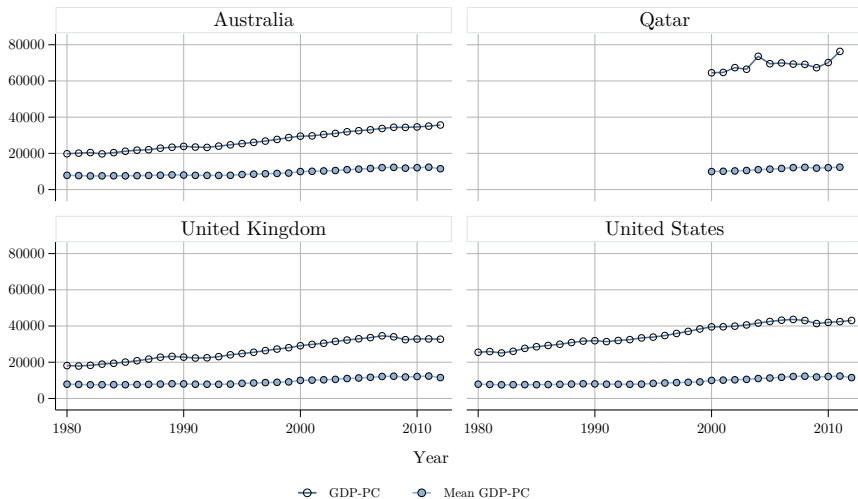
Graphs by Country Name

Unemployment Rate



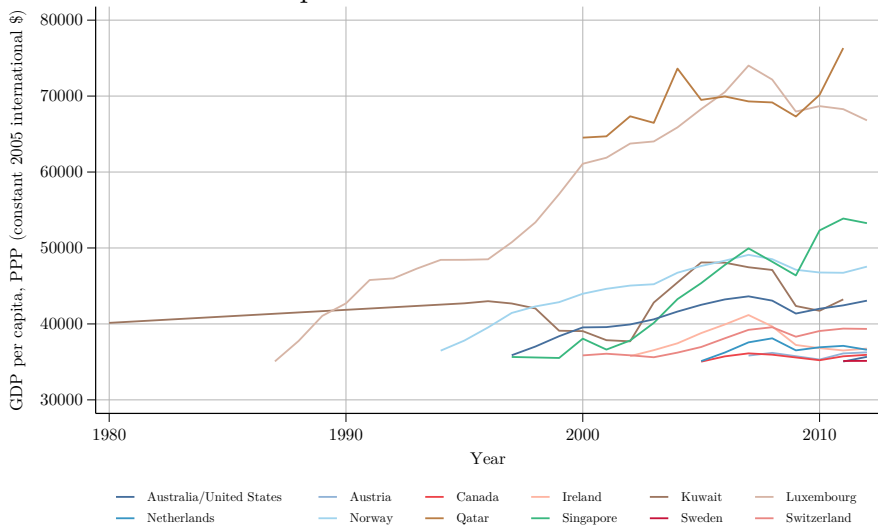


GDP pc (PPP, 2005=100)

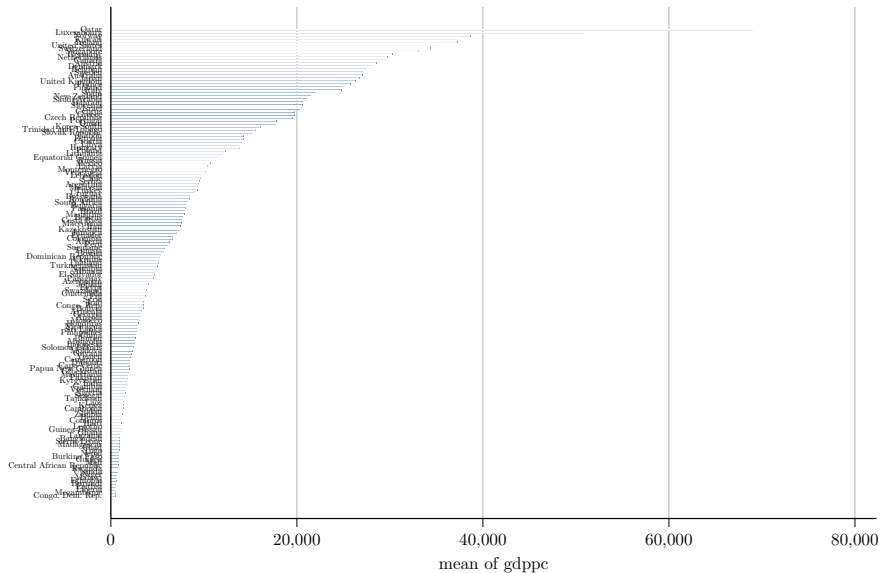


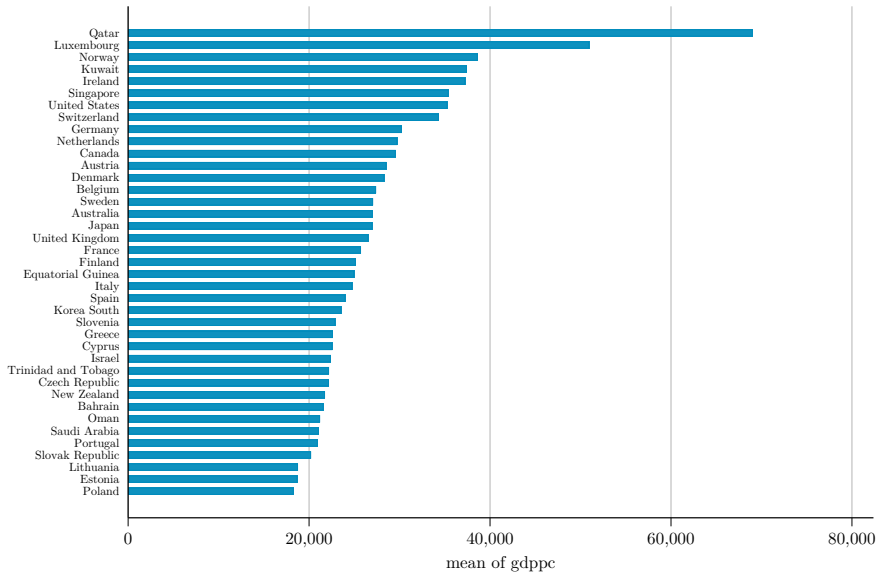
Graphs by Country Name

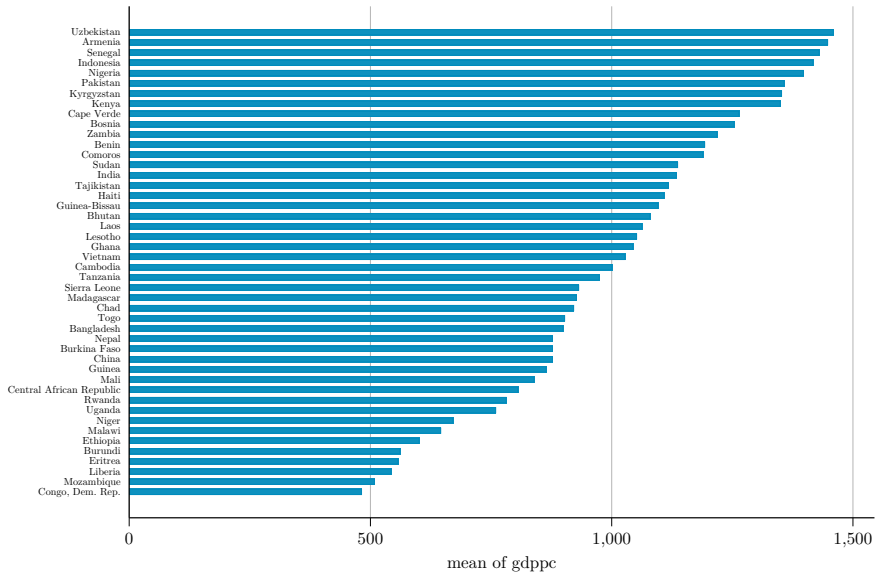
Per Capita GDP for the Richest Countries

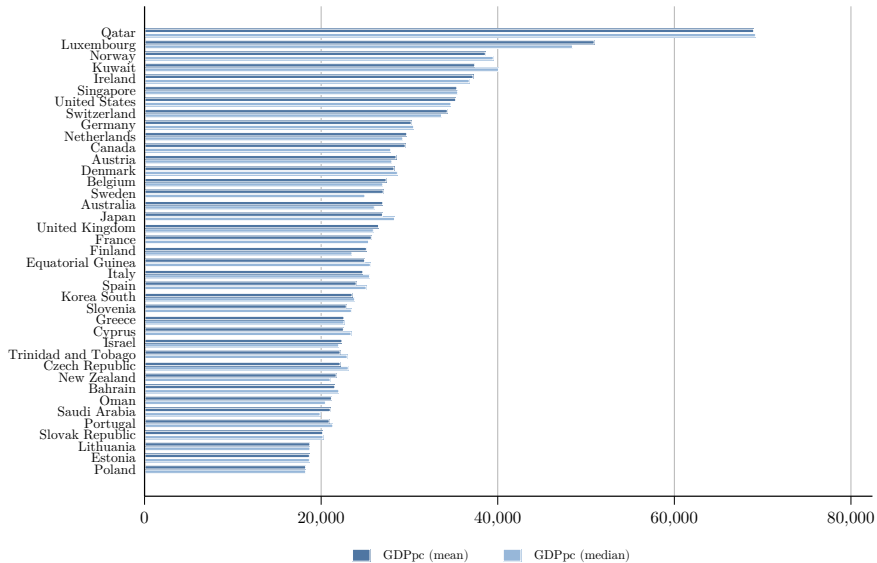


Bar Plots

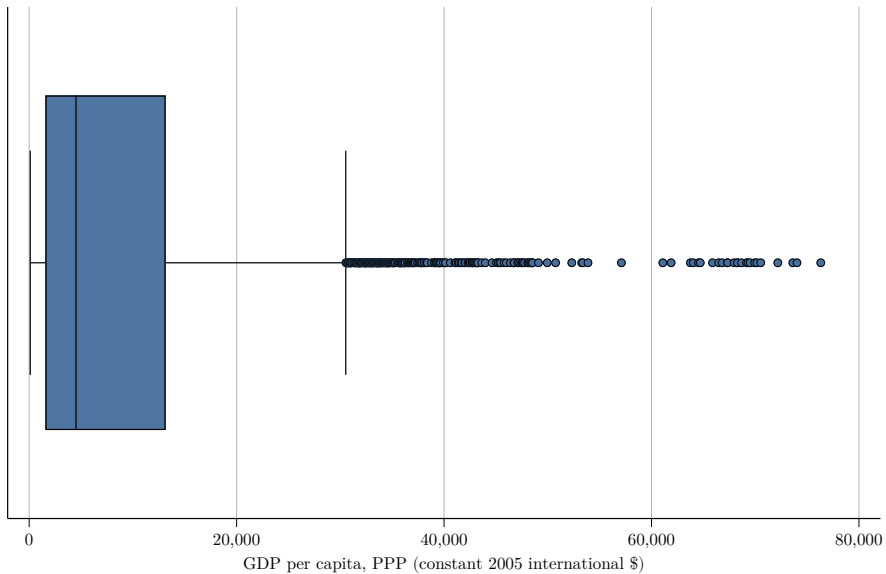


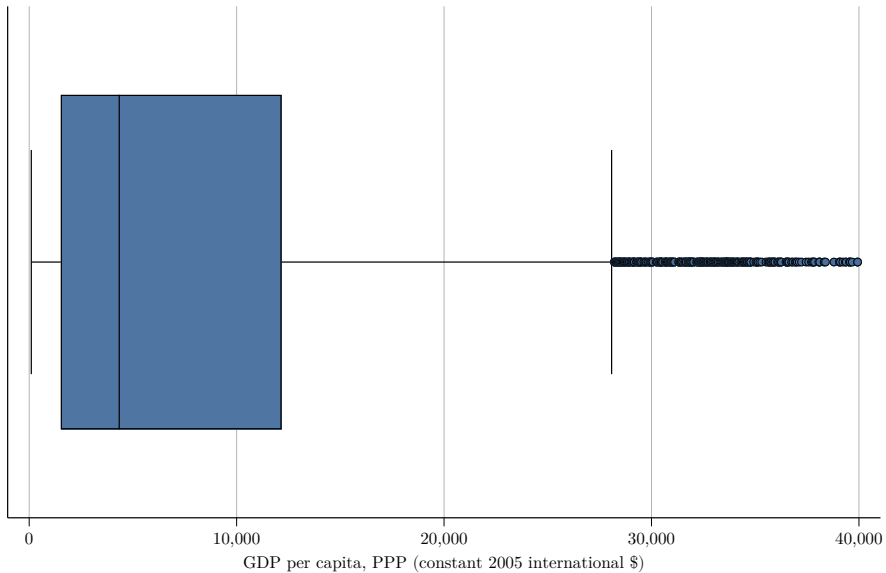




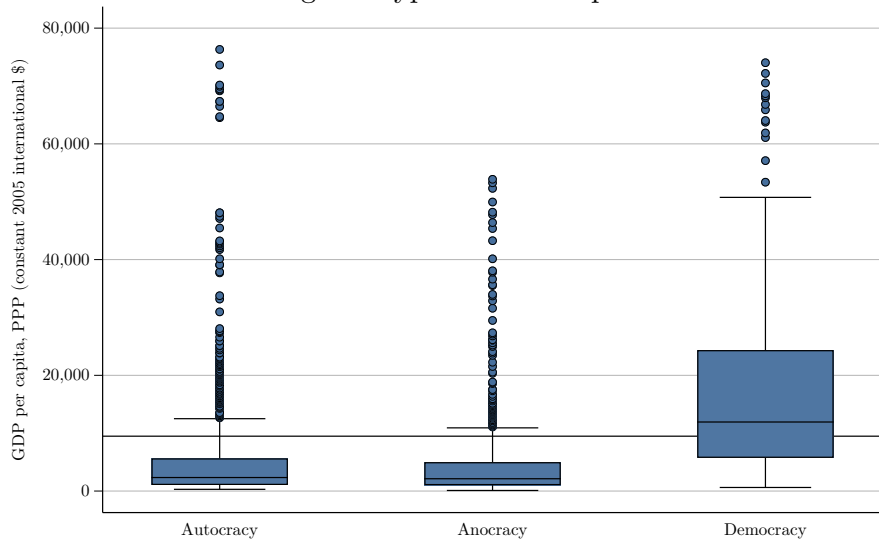


Box Plots

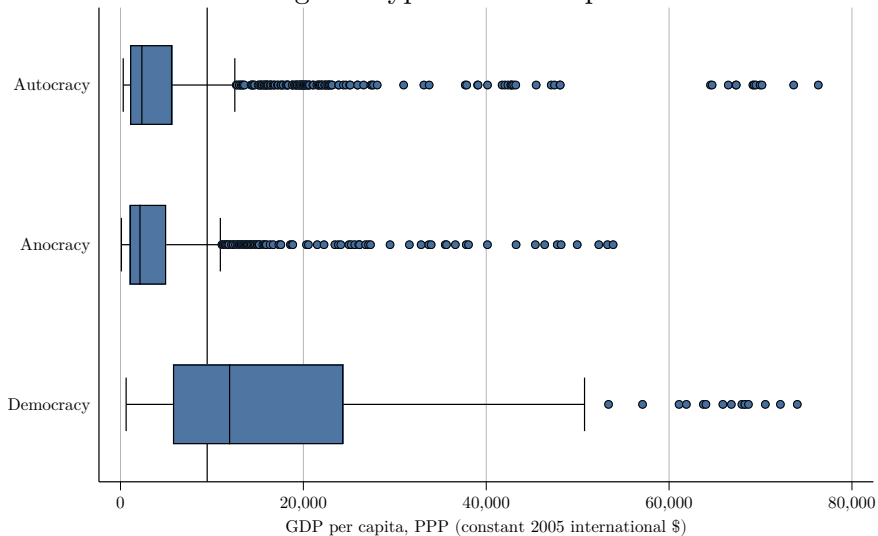




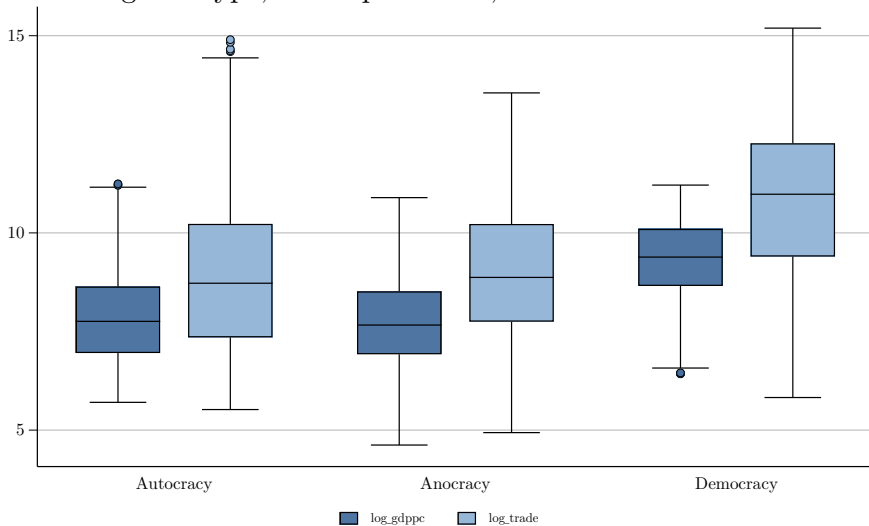
Regime Type and Per capita GDP



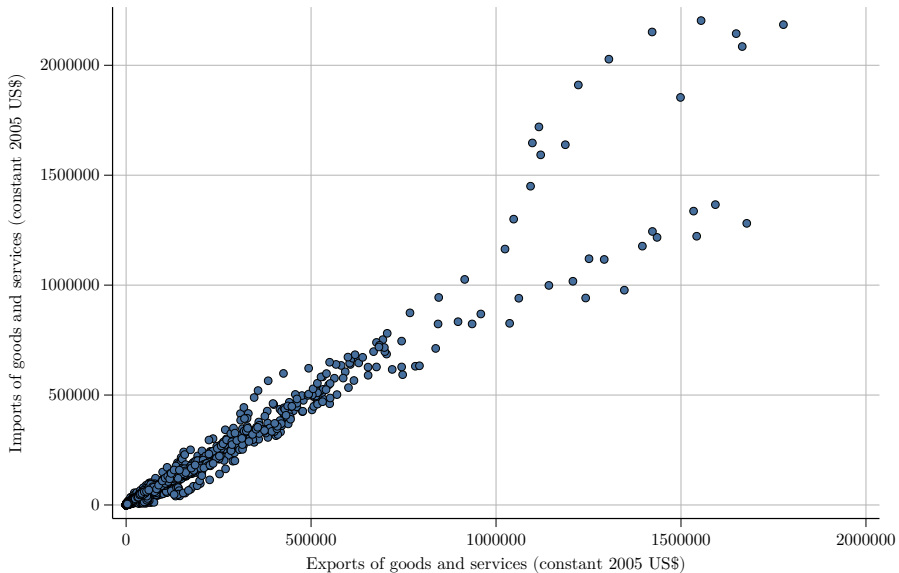
Regime Type and Per capita GDP



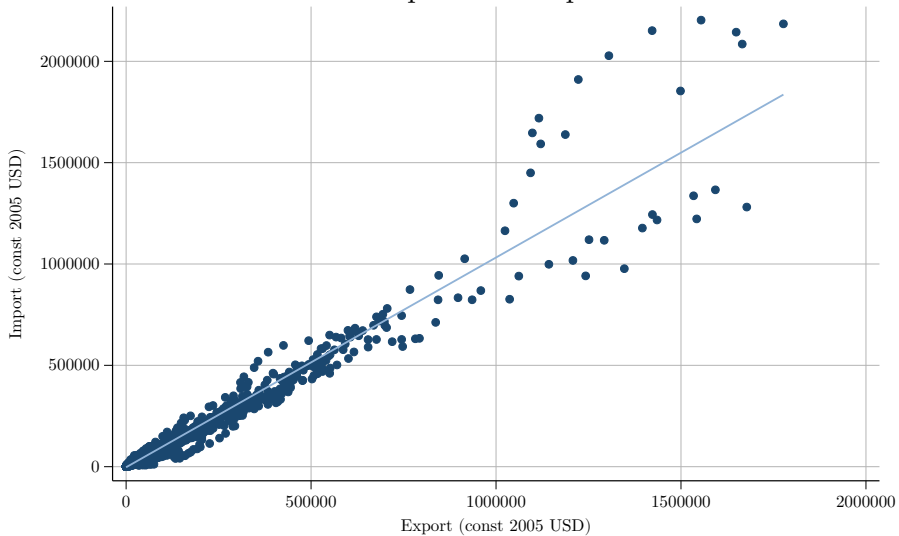
Regime Type, Per capita GDP, and International Trade



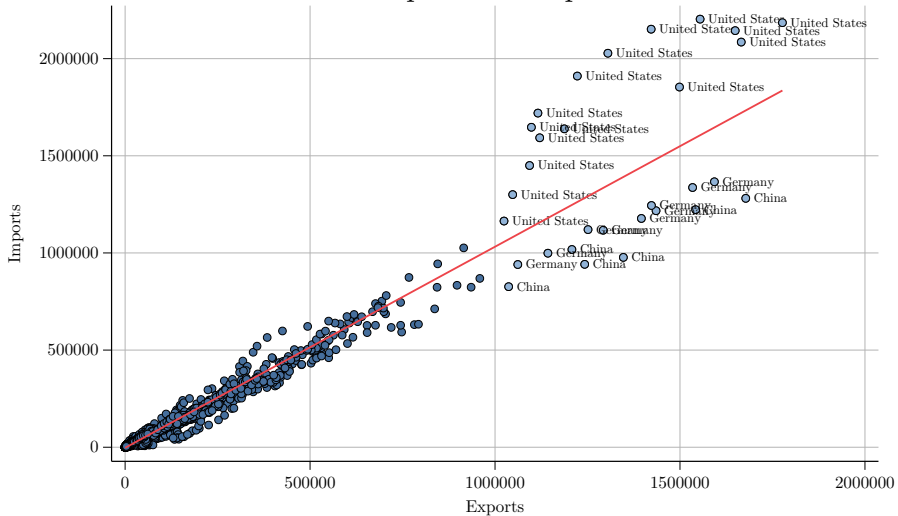
Scatter Plots



Export and Import

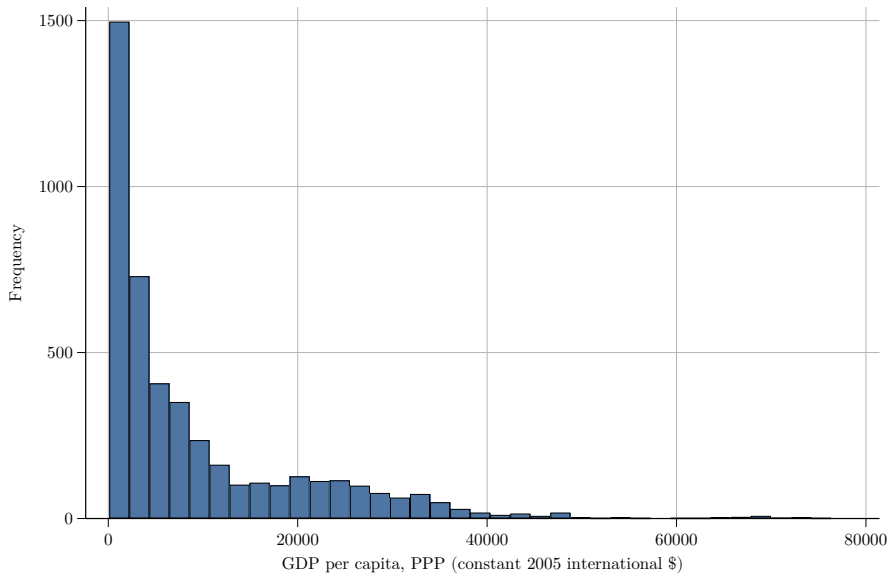


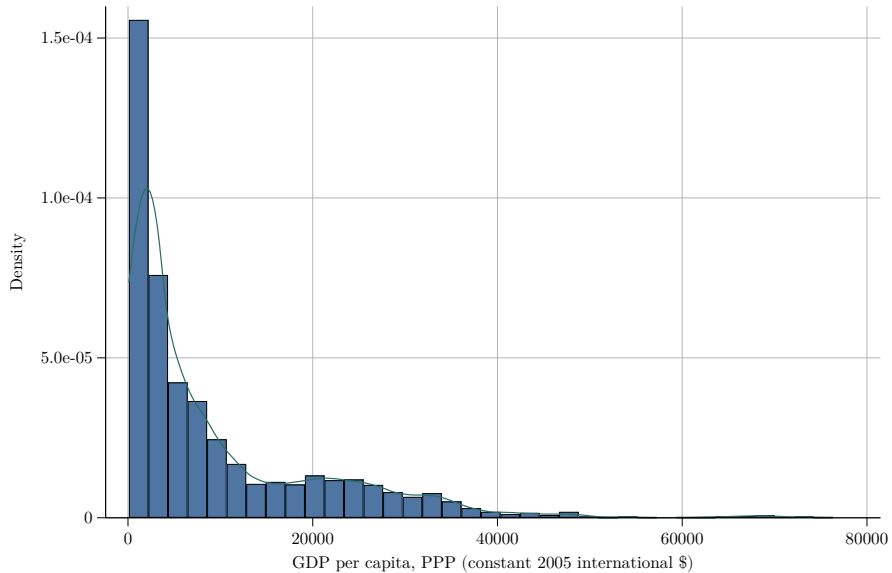
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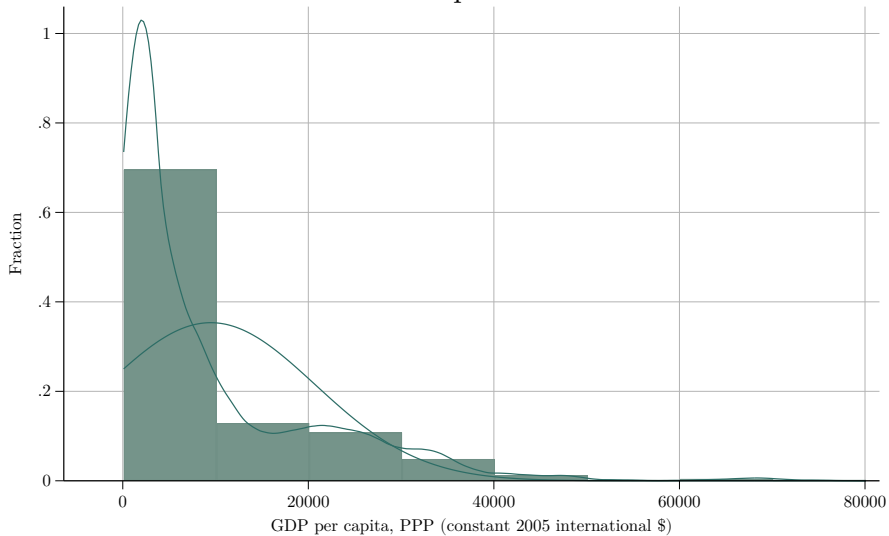
Constant values, 2005, millions US\$

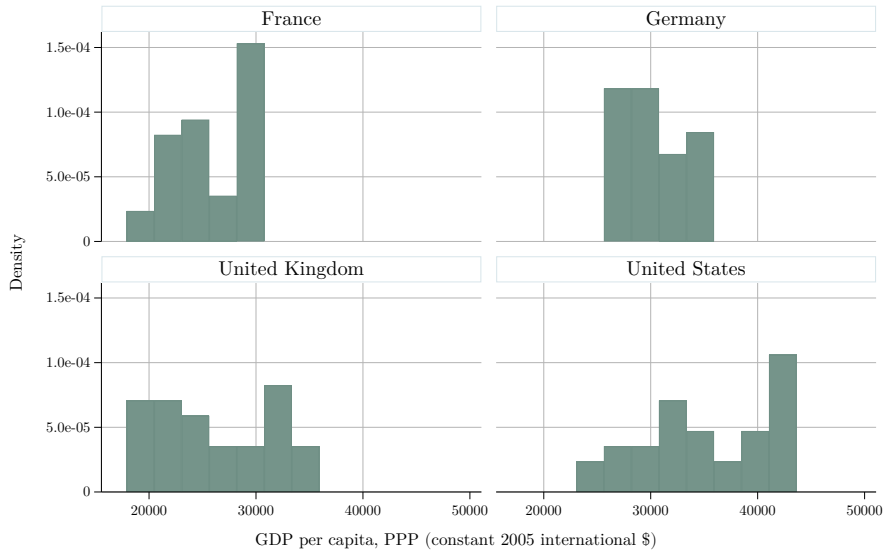
Histograms





Per Capita GDP





Graphs by Country Name

