

# Data Visualization in STATA (II.)

Data Exploratory Analysis.

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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?



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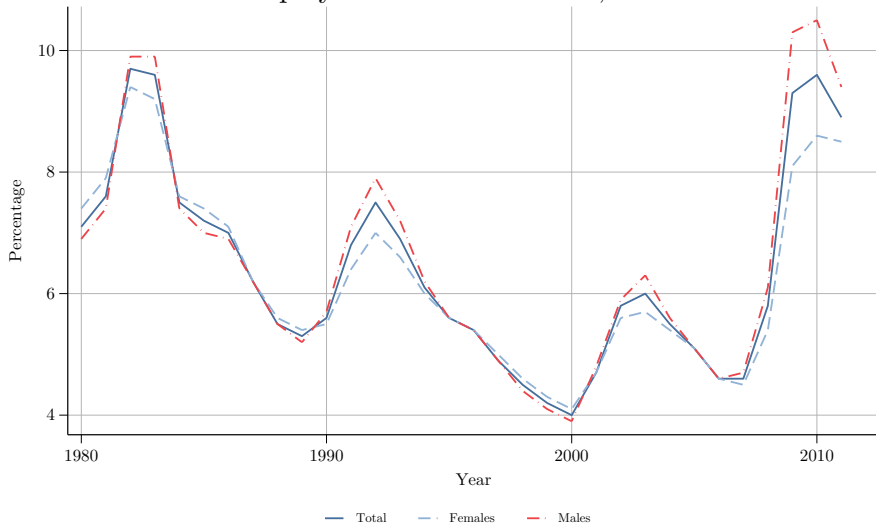
- “Visualization gives you answers to questions you didn’t know you had.” – Ben Schneiderman

# Line Plots

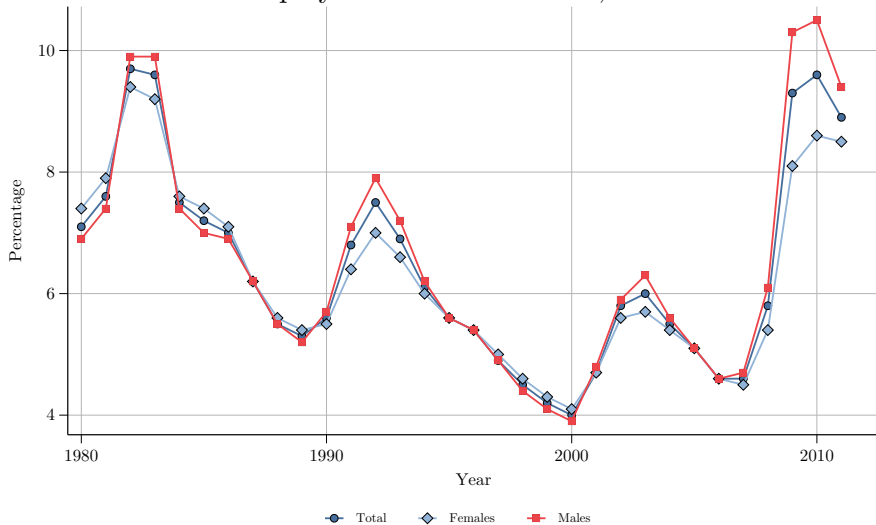




## Unemployment rate in the US, 1980-2012



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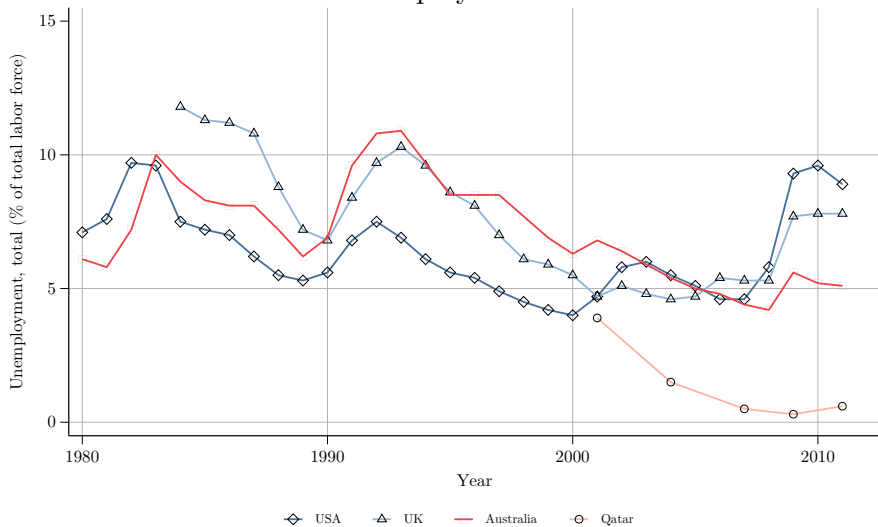


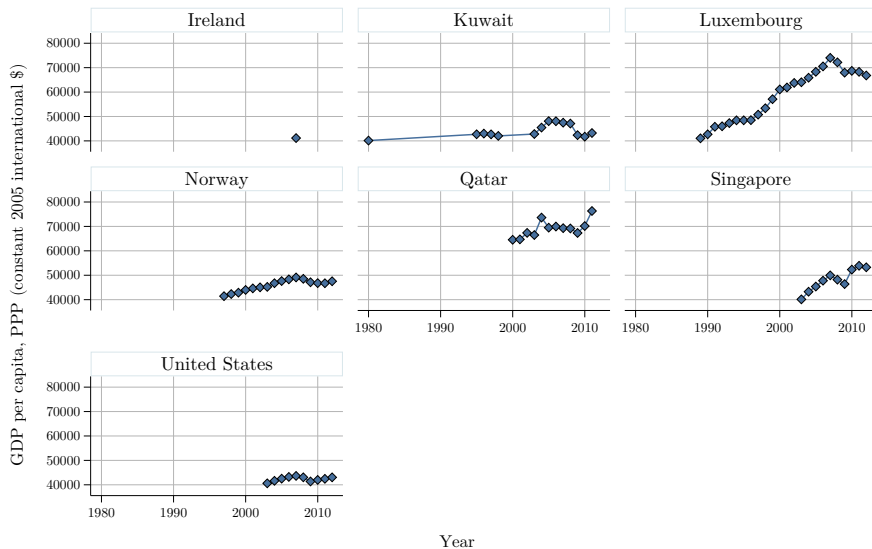
# Unemployment Rate



Graphs by Country Name

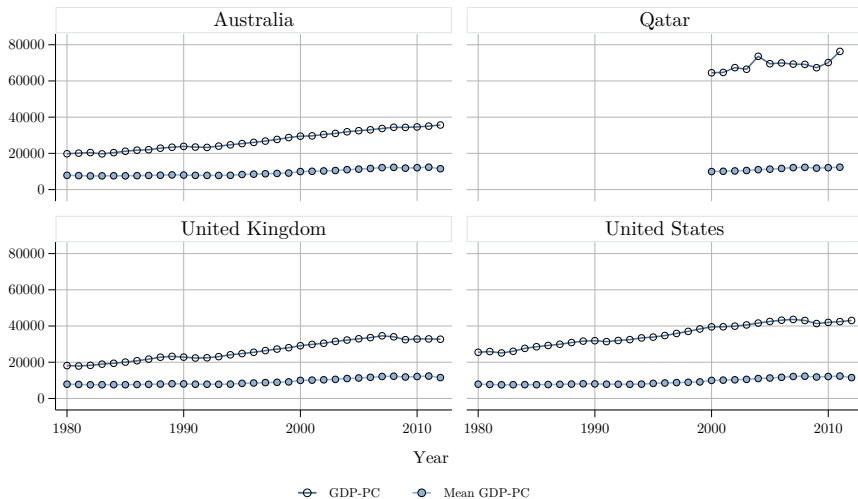
## Unemployment Rate





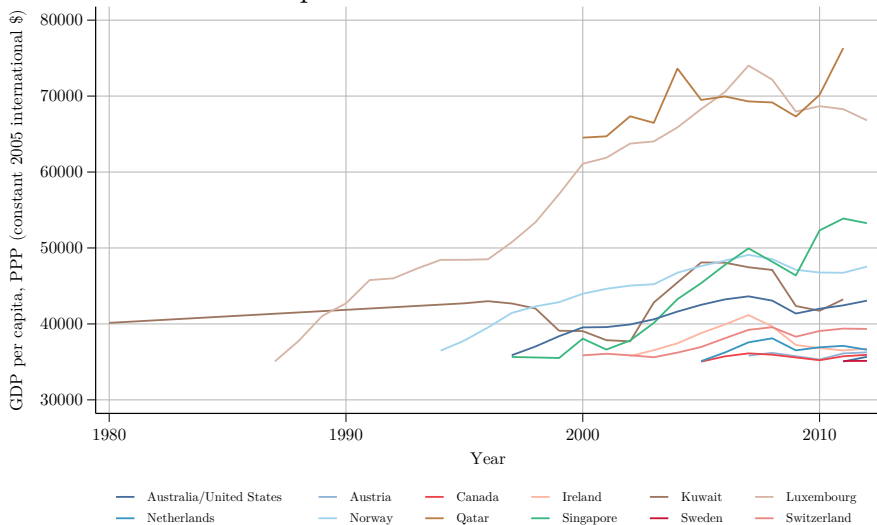
Graphs by Country Name

# GDP pc (PPP, 2005=100)

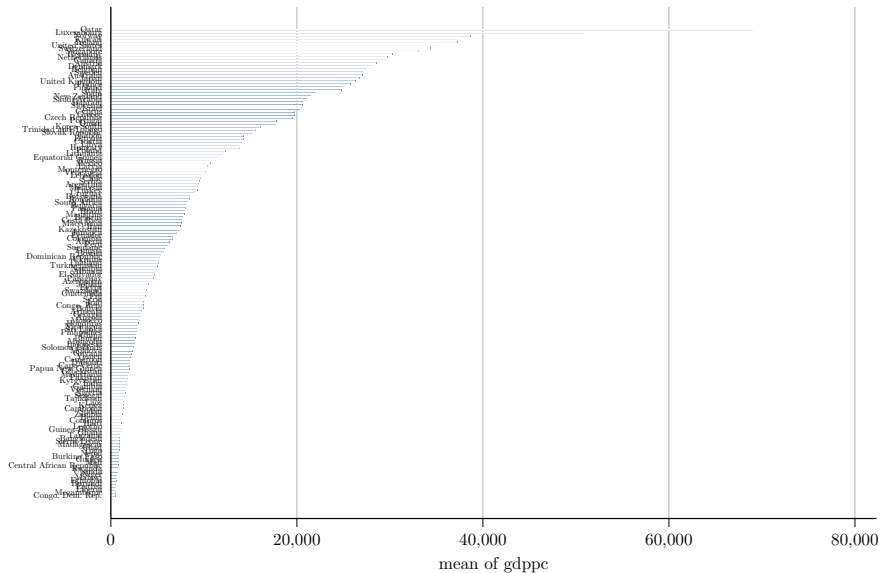


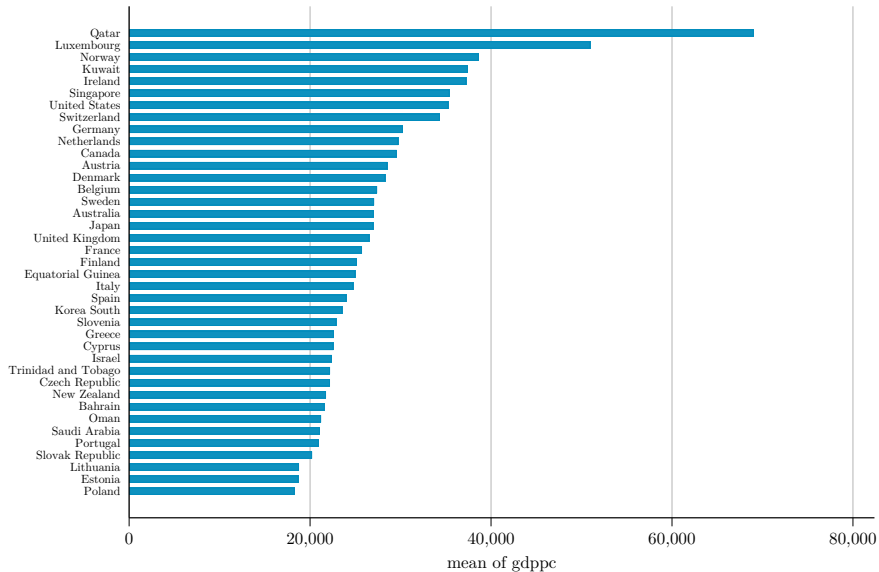
Graphs by Country Name

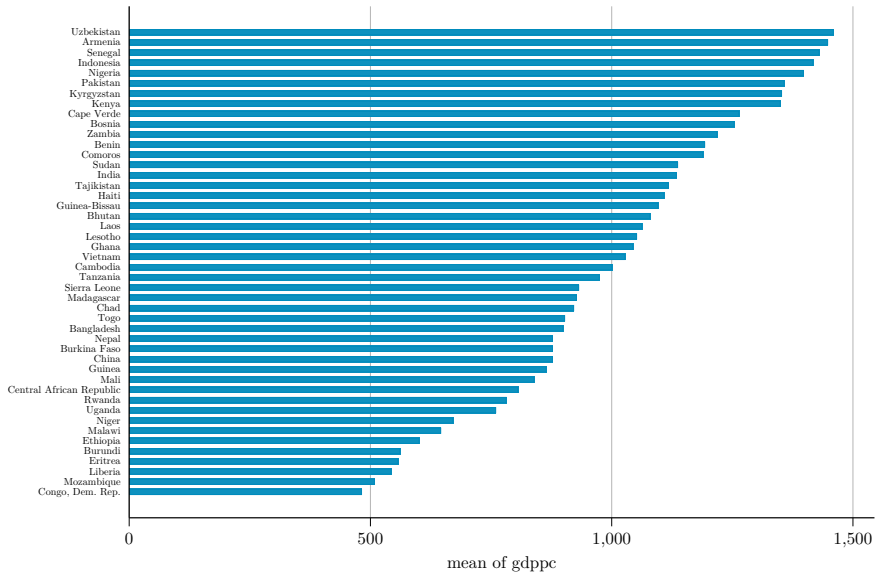
## Per Capita GDP for the Richest Countries



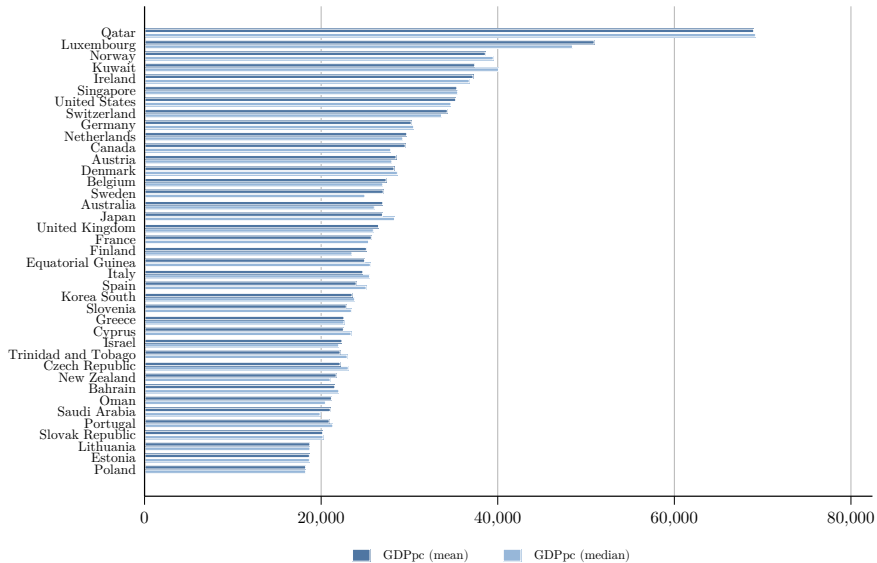
# Bar Plots



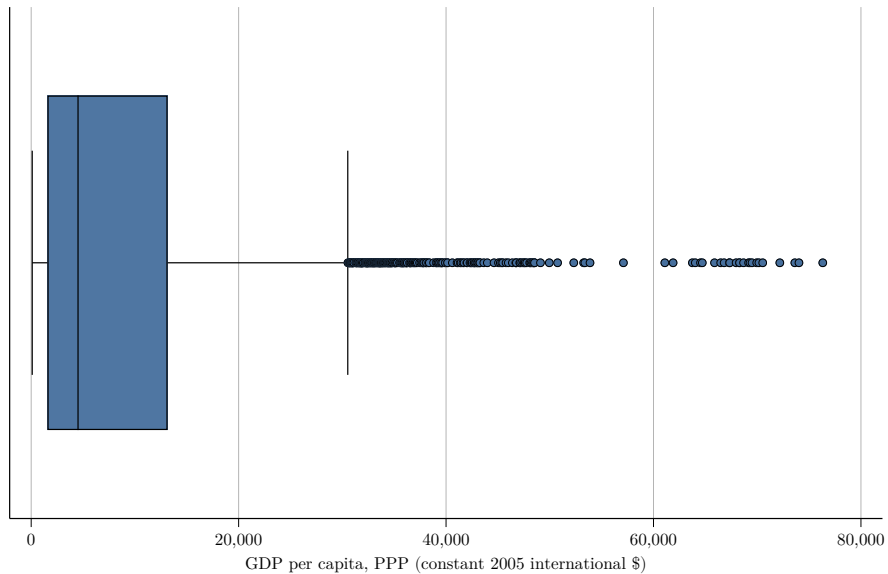


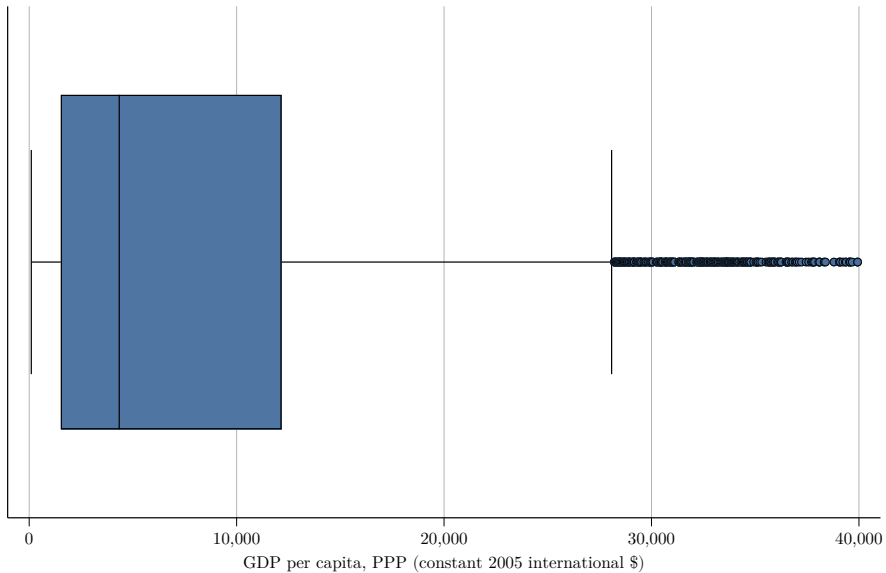




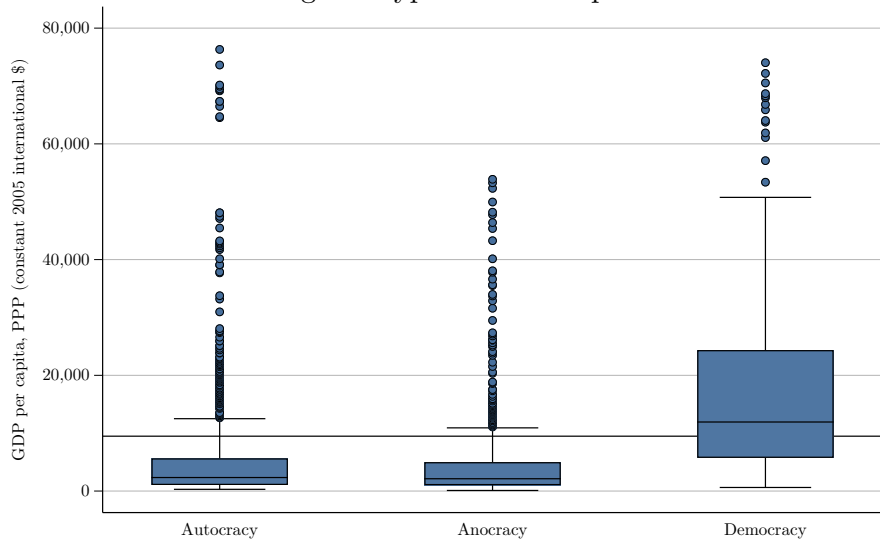


# Box Plots

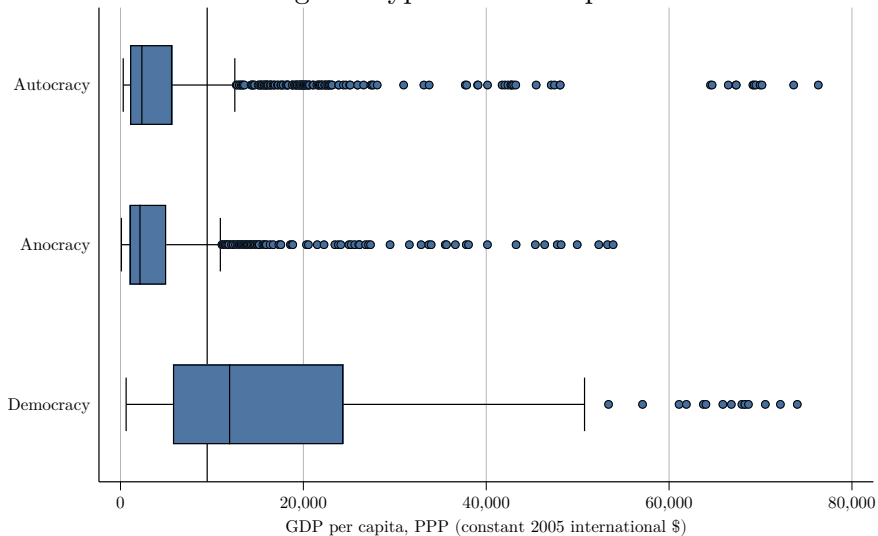




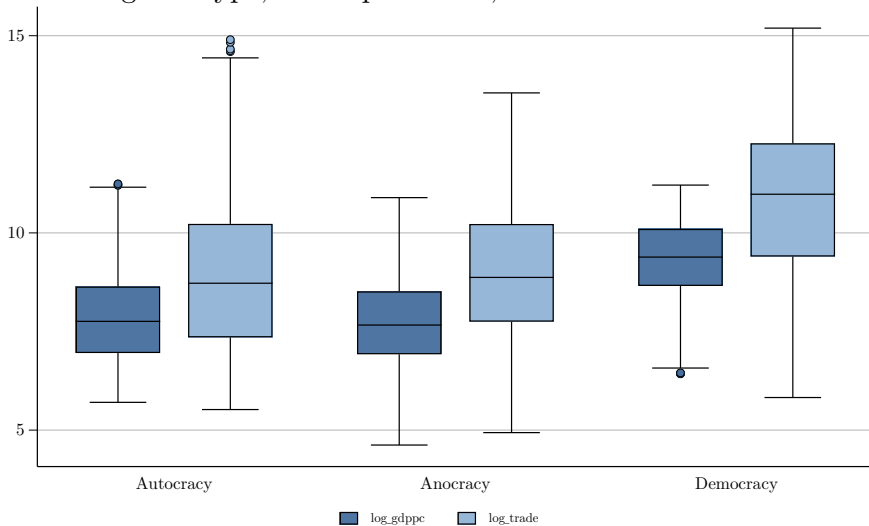
## Regime Type and Per capita GDP



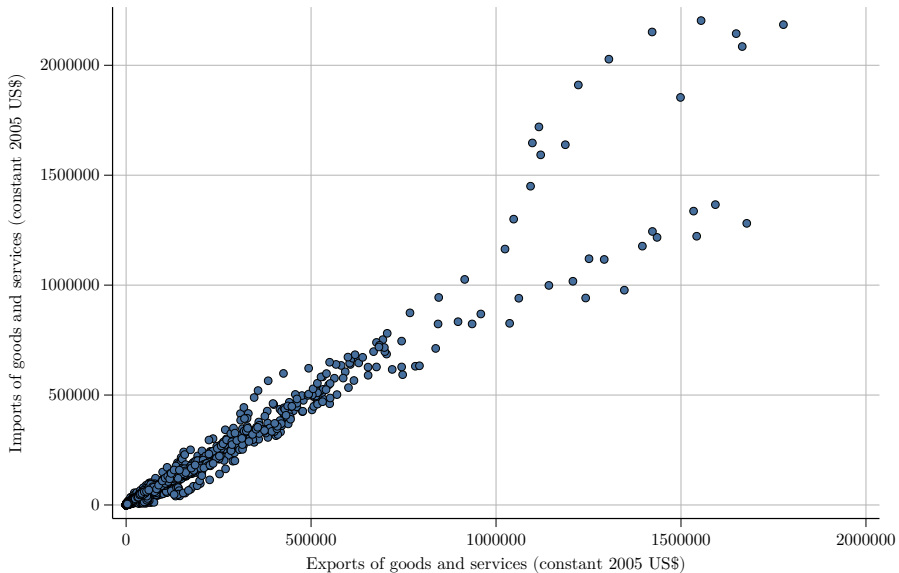
## Regime Type and Per capita GDP



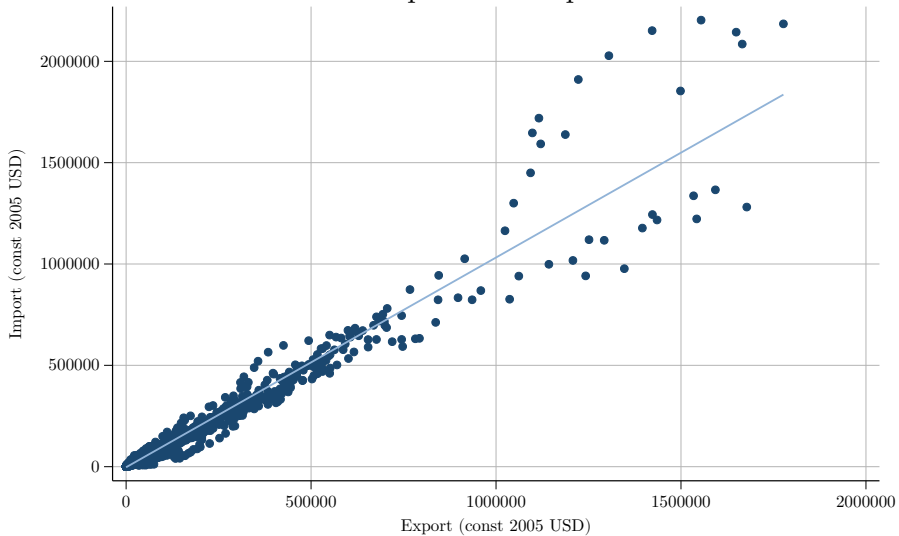
## Regime Type, Per capita GDP, and International Trade



# Scatter Plots

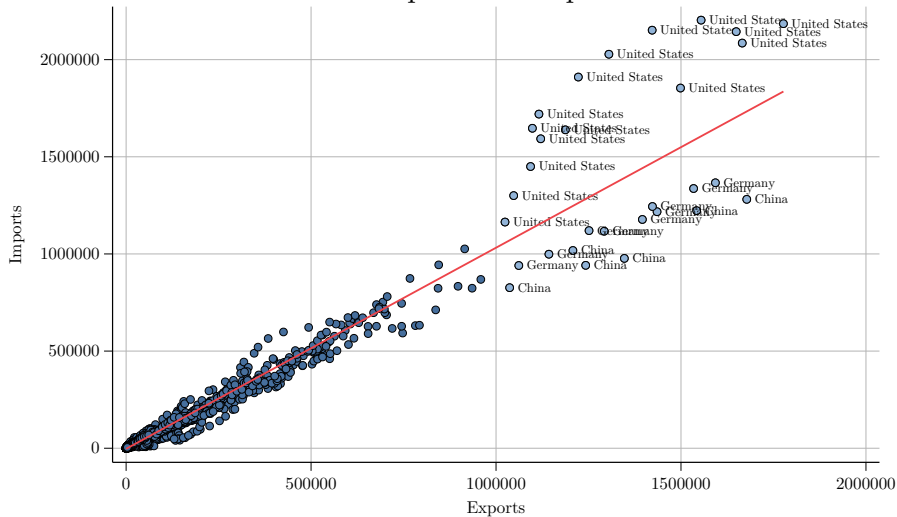


## Export and Import



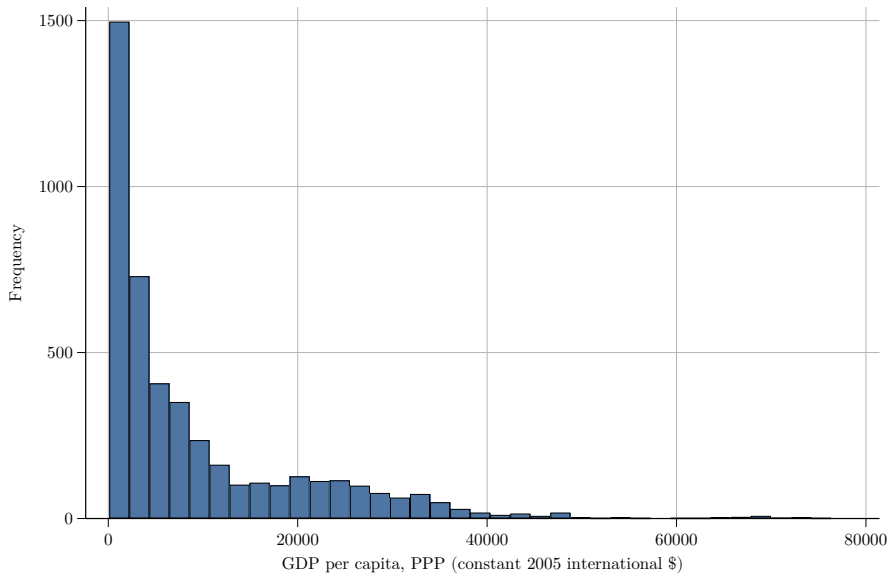


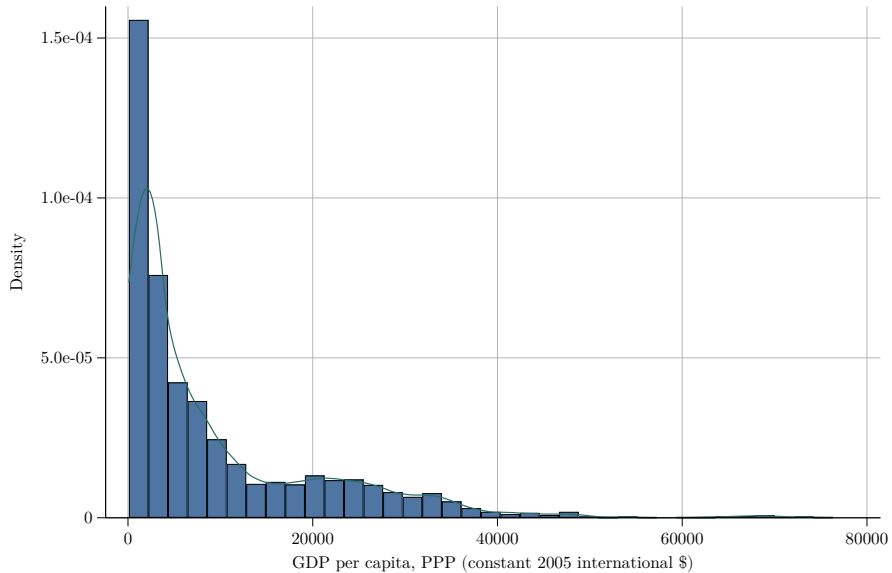
# Export and Import



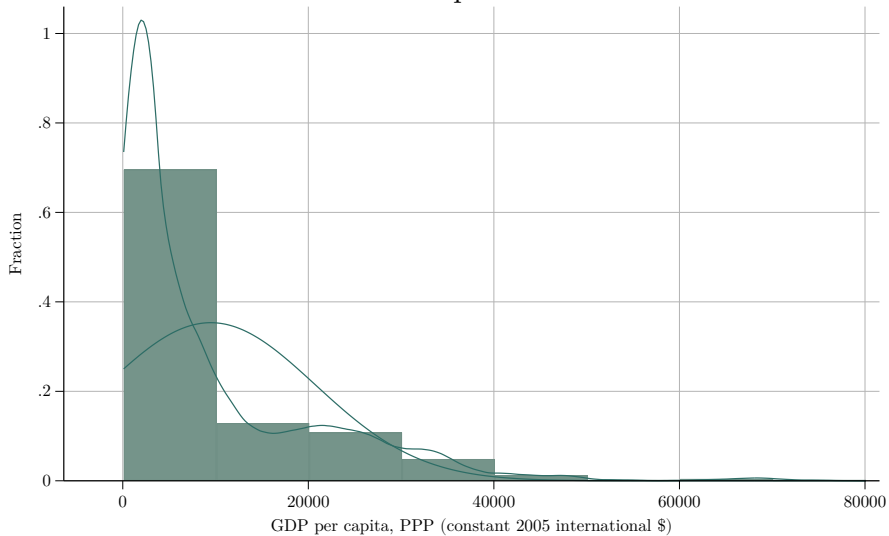
Constant values, 2005, millions US\$

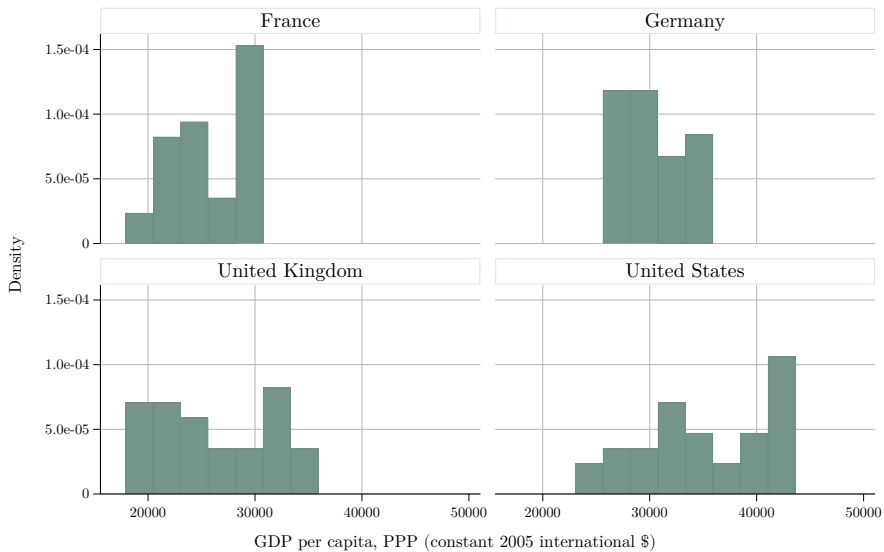
# Histograms





## Per Capita GDP





Graphs by Country Name

