

Plotting Development Data Using Google sheets

- 1) Go to the [QoG Institute site](#). On the right, download the excel version of the cross-sectional dataset.
- 2) Go to Google sheets. Import the dataset into a new sheet. If this does not work, you can also make a copy here [QoG Cross-Section](#).
- 3) Insert two blank columns to the left of the sheet.
- 4) If you are in group 1, search for the column labeled "vdem_polyarchy." Read about it on the QOG website. How is this measure constructed? What is it supposed to capture? Paste the full column in the blank column 1 of your spreadsheet.
- 5) If you are in group 2, search for the column labeled "fh_pr." Read about it on the QOG website. How is this measure constructed? What is it supposed to capture? Paste the full column in the blank column 1 of your spreadsheet.
- 6) If you are in group 3, search for the column labeled "p_polity2." Read about it on the QOG website. How is this measure constructed? What is it supposed to capture? Paste the full column in the blank column 1 of your spreadsheet.
- 7) For all three groups, find the column labeled "wdi_gdpcapcur." What is this measure supposed to capture? Copy the column and paste it in the blank column 2 of your spreadsheet.
- 8) Highlight columns 1 and 2. Click the insert tab and "insert chart."
- 9) To the right of your chart there should be a chart editor. Under setup, change the chart type to a scatter chart.
- 10) Click customize and then "chart axis & title." Add labels for the title and axes.
- 11) Scroll down to series. Decrease the opacity of the points so that you can see where there are points overlapping with each other. Add a trendline and change it to a color that you can easily see.
- 12) There is a lot of white space at the top. There seems to be only one country with over 100,000 dollars per capita. Go to y-axis and set a maximum value of 100,000.
- 13) Click the three dots at the top right of the chart. Download a PDF of the chart.
- 14) Write a caption that explains what you see in the data. The caption should explain a) What pattern the data shows, b) whether there is a trend line and whether it is linear or uses another function, c) explain the data on the x-axis, where it comes from, and what it measures, d) explain the variable on the y-axis, where it comes from, and what it measures, and e) explain whether you have removed outliers, including by zooming in to a particular range of the data.
- 15) If you have extra time, you can find another variable for the y-axis and see whether there appears to be a correlation with democracy score.