

Data Visualization II: Multivariate Plots - Homework

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Creating more complex figures

Complete the following assignment and then save your R script and figures into the associated google drive folder. The R script should be titled `HW_DV2_[YOUR INTIALS]`.

We will be working with different data from those used in the walkthrough and group work. Load in `ProductivePacifists_Data.RData`, which is located in the “Training Data” folder, as well as the relevant packages.

Exercise 1: Create a barplot that compares the proportion of democracies and autocracies that are land oriented in 1900 and in 2000 (i.e., two pairs of two bars). Use the `land_oriented_medium_binary` and `autocracy_BX`. Add an appropriate title and axis labels.

Exercise 2: Create four map plots, one with data from 1850, one from 1900, one from 1950, one from 2000. In each plot, show a heatmap of how land-oriented each country is. Use the variable `land_oriented_medium_continuous_trim`. Make sure to load in the necessary packages, and add the necessary information for each plot (title and labels, legend).

Bonus: Combine all four plots into a single figure. Label each subplot with the year. Add a legend.