

# SPEC Lab R Resources:Data Visualization II- 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]

*Use “ProductivePacifists\_Data.RData”, which is located in the “Training Data” folder.*

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

**Bonus:** 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. Combine all four plots into a single figure. Use the variable `land_oriented_medium_continuous_trim a`. Give the overall figure an informative title. Label each subplot with the year. Add a legend.