Exercises

Complete the following exercises using what we have learned so far in this book and the data in the exercises/ directory:

1. We want to look at data for the **Facebook, Apple, Amazon, Netflix, and Google (FAANG)** stocks, but we were given each as a separate CSV. Combine them into a single file and store the dataframe of the FAANG data as faang for the rest of the exercises:

    - Read in the aapl.csv, amzn.csv, fb.csv, goog.csv, and nflx.csv files.
    - Add a column to each dataframe, called ticker, indicating the ticker symbol it is for (Apple's is AAPL, for example); this is how you look up a stock. In this case, the filenames happen to be the ticker symbols.
    - Append them together into a single dataframe.
    - Save the result in a CSV file called faang.csv.

2. With faang, use type conversion to cast the values of the date column into datetimes and the volume column into integers. Then, sort by date and ticker.

3. Find the seven rows in faang with the lowest value for volume.