SPEC Lab REU R Resources: Data Visualization I: Single Variable Plots–Group Work

Answer Key

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The Proper Set-Up:
For this group work, please load in both the tidyverse and the ggplot2 packages as you will need them to recreate the two graphs.

Instructions:
Re-create the graphs as closely as possible. Pay attention to detail, such as the scaling and labeling of the axes, the linetypes used, the background of the plot, or the legends. Try to match the colors as closely as possible, unless you can do it better (“challenge accepted”).

For this exercise, please load in the file wdi_cleaned_part2.csv as it contains the data you will need to recreate the two graphs. After loading in the dataframe, please use the variable renewable_energyuse to recreate the first graph and use the variable energyuse_pop to recreate the second graph.

Some skills required to re-create the precise details of these graphs were not covered in the walkthrough work. However, troubleshooting and googling are an important part of R. So... happy hunting!
Graph 1 (please use the `renewable_energyuse` variable for recreation)
Graph 2 (please use the energyuse_pop variable for recreation)

Per capita energy consumption between 1992 and 2014
Data source: World Development Indicators

Density

Energy use (kg of oil equivalent per capita)