

# 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

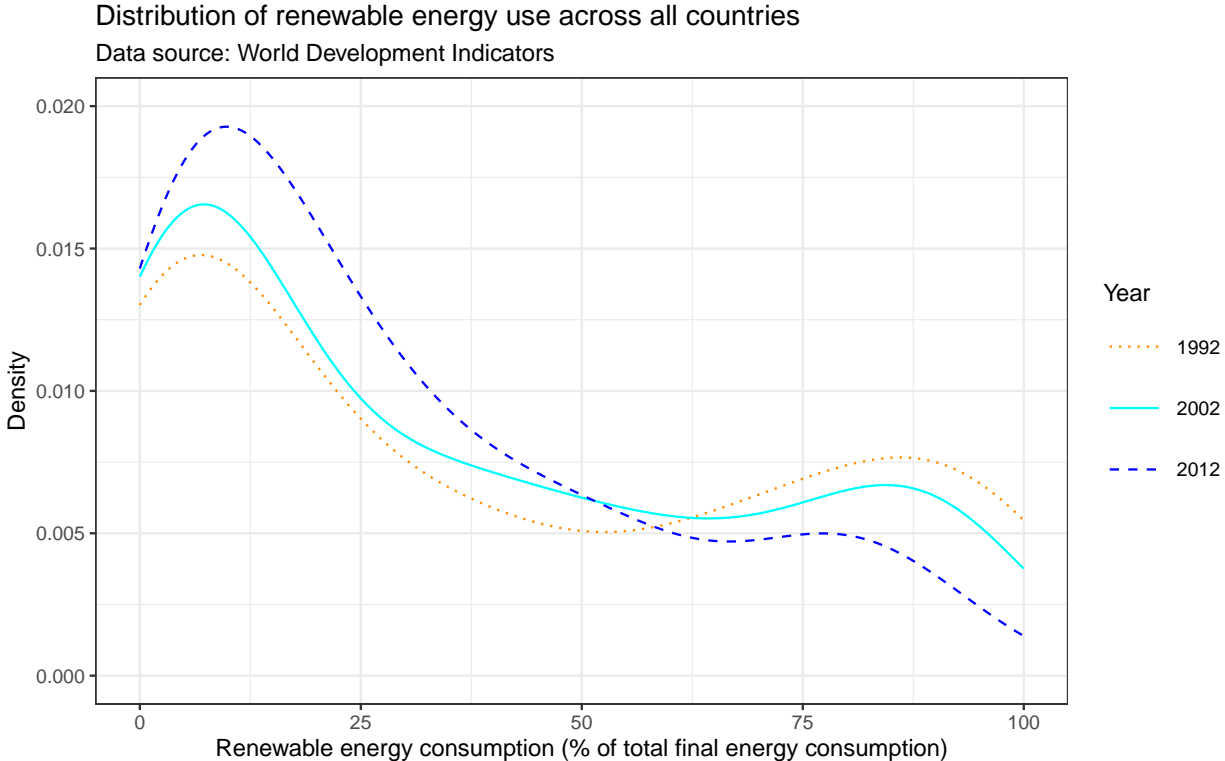
## **Instructions:**

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\_energysuse 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

