Week 4 Hands On Lab – R Graphics

This ungraded Week 4 hands-on lab will help you to build out your skills writing R code to generate descriptive statistics and basic graphics. Solutions to all problems are immediately available, but you'll learn the material more *durably* if you attempt each problem before consulting its solution.

1. Load the diamonds dataset, which is included with the ggplot2 package. Identify which variables in the diamond set are numeric, and which are categorical (factors).
2. Generate summary level descriptive statistics: Show the mean, median, 25th and 75th quartiles, min, and max for each of the applicable variables in diamonds.
3. Determine the frequency for each of the diamond colors.
4. Determine the frequency for each of the diamond cuts, by color
5. Create a graph for a single numeric variable.
6. Create a scatterplot of two numeric variables.