

Homework 2a: *Visual Displays – Graphical Theory (Part 2)*

1. Briefly describe the three types of “chartjunk” suggested by Tufte. List one example of each from the reading.
2. Create a table that conveys all the data contained in the graphic on p. 118, making the table as brief as possible.
3. Tufte proposes redesigns for three standard plot types: the box plot, the histogram, and the scatterplot. Comment on how (if at all) the redesigns constitute improvements.
4. Summarize the information conveyed by the graphic on p.134. Your summary should include comments with respect to time, frequency, and intensity.
5. For the 218 volcanoes represented by the graphic at the top of page 140:
 - a. List all the heights between 16,000 and 18,000 feet.
 - b. Roughly estimate the average height of all the volcanoes (you need not calculate; just estimate by sight).
6. Summarize the 2004 regular seasons for the NY Yankees and Boston Red Sox, based on the sparklines in the graphic at the bottom of page 174.