Tableau Final Project

Bradley Estep

First Sketch:
https://public.tableau.com/app/profile/bradley.estep/viz/TableauProject_16256931374470/Story1

Final Visualization:
https://public.tableau.com/app/profile/bradley.estep/viz/TableauProjectFinal_16257635745380/Story1

Summary:

My data visualization is a Tableau story on the differing statistics of baseball players, focused on the difference that handedness makes. The dataset consists of over 1,100 different baseball players, with data collected on height, weight, number of home runs, batting average, and handedness. I found through my data visualizations that left-handed players tend to perform better on average than right-handed players, and ambidextrous players actually tend to perform the worst.

Design:

I designed my story to follow a logical path from discovery of a difference handedness makes to a more focused inquiry into that question. I tried to use simple but effective graphs that highlight the data and not distract from it. The first three panes use bar graphs to illustrate the differences in handedness because bar graphs help illustrate differences between discrete variables well. The fourth pane is a scatter plot of home runs vs. batting average, with handedness as color. I used a scatter plot because they do well to show where data is clustered and how it is spread across a range of values. And the fifth pane uses line graphs of average home runs vs. batting average separated by handedness. I used line graphs for this pane because they do the best job of showing differences between data over a continuous variable, or one with many different values. I had my girlfriend look over the initial version of my story and I adjusted some of the descriptions and graphs to more clearly describe the data and its relationships. I also added the fifth graph due to her feedback.

Feedback:

My girlfriend gave me very insightful feedback. She stated that the labels for handedness were not well described and could confuse the reader. She also helped point out that in the fourth sheet of the story I had claimed that the difference between left and right-handed players was obvious, but it was really a cluster that was difficult to read and the difference was not obvious. I changed the fourth graph and its caption a bit to make my findings more clear, and I added the fifth graph to very clearly show the difference between the two handedness.

Resources:

I looked at the Tableau documentation and a couple Tableau articles to find functionality I hadn't learned in class.