* **Summary:** in no more than 4 sentences, briefly introduce your data visualization and add any context that can help readers understand it

I will be using tableau to create visualizations on a dataset containing 1,157 baseball players. This dataset includes their handedness (right or left handed), height (in inches), weight (in pounds), batting average, and home runs. I will remove outliers and evaluate height, weight, homeruns, and batting average by handedness.

* **Design:** explain any design choices you made including changes to the visualization after collecting feedback

First I started with histograms of homeruns and batting average to see how the data was distributed. I then removed the top and bottom 5% of records from each of these measures. I did this because I noticed numerous records for batting average had a 0 average and were skewing the dataset. Additionally, there were several HR records for hall of famers that were skewing the HR metric. I finally used a histogram to check that the distributions were normal after removing outliers. HR was positively skewed, so I logged transformed this measure.

Next I chose a pie chart to illustrate the number of records in the data set before and after outliers had been removed.

After that I chose a bar chart to conduct a nominal comparison by handedness of height and weight.

My final graph is a scatter plot which shows the average number of HR and batting average by handedness. This graph is a buildup of 1) cleaning the data 2) understanding weight and height demographics by handedness.

* **Feedback:** include all feedback you received from others on your visualization from the first sketch to the final visualization

I reviewed the story with a work colleague (Christina) of mine in Finance at General Electric. I initially didn’t have the Dashboard called Number of Records and she recommended including it because it was confusing to the audience exactly what the data cleaning steps yielded and how many outliers had been removed. My first pass of this Dashboard was to illustrate the number of records with a bar chart, but Christy thought the bars were not clean looking because the right handers had so many more data points than the rest (see Records initial sheet). Therefore, she recommended switching to a pie chart.

* **Resources:** list any sources you consulted to create your visualization

I used several websites to help navigate tableau

<http://kb.tableau.com/articles/howto/showing-legends-on-dashboards>

<http://kb.tableau.com/articles/howto/displaying-zero-decimal-places-for-mark-labels>