

## First Draft

<https://public.tableau.com/profile/renel.garces#!/vizhome/FirstDraftUdacityProject/Story?publish=yes>

## Final Draft

<https://public.tableau.com/profile/renel.garces#!/vizhome/FinalDraftUdacityProject/LeftiesvsRighties?publish=yes>

## Summary

My visualization is based off data from baseball data set. The main focus with the story was to point out the difference in performance between groups of players based on handedness. The metrics used to rate performance in the presentation are average total home runs and batting average. The handedness groups analyzed are left-handers, right-handers, and both-handers.

## Design

Most of the analysis in the report involved bar charts. In the first chart, an average was taken instead of a total due to right handers being significantly more represented than the other groups in the data set. In the second chart, average BMI was calculated by a field calculation with the converted values from height and weight values. Average BMI was added to the body stats chart to further confirm that there were no physical differences between handedness groups. In the third chart, a dimension was added to split all the players into two groups (above average or below average) based on batting average. A quick calculation of percent of total was also used. These two adjustments were used to create a chart that would make easy to see the proportional difference between below and above average players within each handedness group. The final chart includes the best 10 observations from each handedness group in a scatter plot. The purpose of the final chart is to see the difference in distribution of players of each handedness group based on performance (home runs and batting average).

After feedback, axis titles on some charts were relabeled to be more specific so that even non baseball fans can follow. The height and weight graphs were eliminated from the second page. The third chart was converted to a pie chart to make the proportions stand out more. And of course typos were fixed in the text of the story.

## Feedback

- Reference to which hander is better is vague, specify on what criteria
- Specify what is meant by 'better than average'
- Viewer did not know what was meant on x-axis label on 4th graph
- Typos in the text
- Add 60 to the y-axis on the first graph to make values seem clearer
- 2nd graph looks to blocky
- Height, weight, and BMI bars are redundant, just include height and weight or BMI
- BMI is calculated incorrectly
- Viewer didn't know whether 4th chart was in terms of historically or at the moment