

## **Summary**

First Version:

[https://public.tableau.com/profile/damien.tyson#!/vizhome/baseball\\_version\\_1/WhichHandednessisBest?publish=yes](https://public.tableau.com/profile/damien.tyson#!/vizhome/baseball_version_1/WhichHandednessisBest?publish=yes)

Final Version:

[https://public.tableau.com/profile/damien.tyson#!/vizhome/baseball\\_final\\_15672051483180/WhichHandednessisBest?publish=yes](https://public.tableau.com/profile/damien.tyson#!/vizhome/baseball_final_15672051483180/WhichHandednessisBest?publish=yes)

This visualization helps illustrate the difference between Right, Left, and both handed baseball players. It will which handedness tends to perform the best. In conclusion, 7 of the Top Players by Batting Average and 5 of the Top Players by Home Runs are left-handed with Both only having 1 occurrence.

## **Design**

Initially I wanted to make the handedness variable more obvious, so I created aliases for them. I also assumed that their may be missing or incorrect data, so players with a batting average equal to 0 were filtered out.

To illustrate the distribution of Home Runs I used distribution plots with the handedness dimension as the view. This will allow easier comparisons between the 3 types. I also added annotations for a few of the outliers that may not be clearly seen. These annotations were also adjusted after feedback due to making the visualization to cluttered.

A scatter plot was used to see if there was a relationship between homeruns and batting average for each handedness. This could illustrate trends for each handedness type. After feedback, an Average with 95% confidence was added to help illustrate the differences between the handedness's and how they perform on average.

Horizontal bar charts were used to illustrate the different average of home runs and batters average across the 3 different types for handedness.

Finally, to see which handedness had the higher performance I used a scatter plot in combination with 2 separated tables with color encoded bar plots. With this layout, you can easily see that left handedness has the most occurrences in the Top 10 for both batting average and home runs.

To ensure information was conveyed correctly, I wanted to maintain the color encoding throughout every visualization.

## **Feedback**

Feedback #1: The histography is appears cluttered on the right side due to the addition of the annotations. Remove them all together or reduce the number visible

Feedback #2: Indicate or illustrate more information on the HR-BA scatter plot. Right now, it is not easy to extract information out of this visualization

## **Resources**

[http://www.perceptualedge.com/articles/misc/Graph\\_Selection\\_Matrix.pdf](http://www.perceptualedge.com/articles/misc/Graph_Selection_Matrix.pdf)

<https://www.tableau.com/learn/training>