

Baseball Players Performance

By Mohamed Sobhy

Summary

My choice was to go with Baseball dataset, which is a data set containing 1,157 baseball players including their handedness (right or left-handed), height (in inches), weight (in pounds), batting average, and home runs.

The Target was to make a visualization that shows differences among the performance of the baseball players.

Design

I decided to put a bar chart to show percentage of players categorized by handedness. Then I used box plots to show the summary statics for Batting Average and Home Runs vs handedness which was difficult for my reviewer to understand. A scatter plot was my choice to check existence of a relationship between Batting Average and Home Runs.

My first version of story was as follows:

<https://public.tableau.com/profile/mohamed.sobhy#!/vizhome/BaseballDatabase/Story1>

After I got my reviewer feedback, I added new sheets with histograms for both Batting Average and Home Runs to make simple. I added them to my dashboard in addition to previous box plots.

My final version of my baseball story is:

https://public.tableau.com/profile/mohamed.sobhy#!/vizhome/BaseballDatabasev2_0/Story1

Feedback

I got one review from my company colleague, which I was surprised that he used tableau for performance reporting purposes. His feedback is in the following points:

- 1- Analysis has not been affected by players hand type (use).
- 2- Majority of players number is right handed.
- 3- What about player weight & height? it may affect.
- 4- all diagrams has the same shape for all players hand type.
- 5- Difficult to understand Second diagram (comparing average batting avg. and home runs)

Resources

I used the following article to get the picture of baseball measures of performance.

<https://www.gamesensesports.com/knowledge/2017/3/17/righties-vs-lefties-the-importance-of-handedness-training-in-baseball-hitting>

https://en.wikipedia.org/wiki/Lefty-righty_switch

<https://www.youtube.com/watch?v=skOsApsF0jQ&t=58s>