

What Makes a Baseball Player Good?

A Visual Analysis in Tableau

Summary:

I would like to use this project as an opportunity to explore what physical features of a baseball player best correlate with their batting average. Does it depend on their height? Or perhaps the truth lies in a player's handedness?

Design:

I choose to start the Tableau Story by analyzing the relationship between different player characteristics and their performance, as measured by batting average and the number of home runs.

From there, I decided to focus more on the parameters that seemed to be more closely related to performance, namely height and handedness. The reason I decided to omit weight as a significant parameter was due to the more random nature of its distribution. The reason for that is the simple fact that height is a lot more normally distributed over baseball players. I believe the height distribution is illustrated fairly well in the bar plot.

Feedback:

Part of the feedback I received was to state my findings more clearly. I think that was incredibly helpful, as to begin with my Tableau Story was mostly a large number of visuals without much context. By focusing in on what I wanted to communicate, I added final sheets to the Story to recap on what was the objective of the analysis.

After I implemented the additional feedback, I showed the presentation again to the original reviewer (a good friend of mine), and a classmate. They both confirmed that after the edits it was more clear as to what the finding and conclusion were.

Result:

You can view the Tableau Story in Tableau Public [here](#).

Resources:

- My data is a Udacity curated dataset
- Other resources:
 - <https://community.tableau.com/thread/217684>
 - <https://community.tableau.com/message/413703#413703>
 - <https://onlinehelp.tableau.com/current/guides/get-started-tutorial/en-us/get-started-tutorial-home.html>
 - <https://www.tutorialspoint.com/tableau/index.htm>