

# Udacity Project: Create a Tableau Story

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## Initial:

[https://public.tableau.com/shared/2P9SWJJ9J?:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/shared/2P9SWJJ9J?:display_count=n&:origin=viz_share_link)

## Updated:

[https://public.tableau.com/shared/9738YGBKW?:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/shared/9738YGBKW?:display_count=n&:origin=viz_share_link)

## Summary

The intent of this project is to create an explanatory data visualization from a data set that communicates a clear finding or that highlights relationships or patterns in a data set. The dataset chosen from the provided options was a data set containing records for 1157 baseball players including their handedness, height in inches, weight in pounds, batting average and number of home runs.

## Design

I initially went with many of the default design choices in Tableau for my visualizations, including the default blue color in many of the plots.

The first story point made use of a bar chart to easily demonstrate the number of players in the dataset that fell into each category, left handedness versus right handedness versus ambidextrous. Bar charts were also chosen for similar reasons for the next two visualizations to show the number of players at a given height/weight.

The next two story points made use of scatterplots to show how weight and height were related to batting average and number of home runs.

The final story points made use of an interactive slide bar to allow users to select the top players from the dataset by number of home runs, in increments of five up to the top 20. I chose to select for top players by number of home runs because home runs

are more exciting than just batting average. The best players, to me, are those that have many home runs. Having selected the top 10 players from the data set, you can then see the height and weight via bar chart as well as a pie chart for the handedness of those top players.

Following feedback from a friend with a background in data analysis that the blue color chosen for most of my initial plots was not visually striking, I elected to change the color of my plots. Given that this dataset relates to baseball and my favorite team is the Cardinals, I elected to go with red as that is the color for the Cardinals team. Additionally, I made the size of the text boxes at the top of each story point larger so that they were easier to read and more user-friendly.

## **Feedback**

I asked a friend with a background in data analysis to take a look at my initial story for the baseball dataset, and requested his feedback on it. My friend noted that the initial visualizations were not particularly visually engaging, hence the changes in color to my plots as discussed previously. There was also the request to make the text boxes larger, as noted in the Design section of this document. It was also brought to my attention that I had failed to add descriptive titles to the story itself, the individual story points, and plots. This was corrected in the updated version of the project.

## **Resources**

[https://help.tableau.com/current/pro/desktop/en-us/sortgroup\\_sets\\_topn.htm](https://help.tableau.com/current/pro/desktop/en-us/sortgroup_sets_topn.htm)