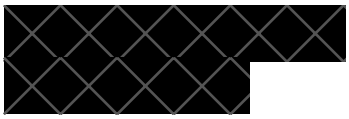

Udacity Data Analyst Nanodegree
Create a Tableau Story – Baseball Dataset

Introduction

I decided to use the baseball dataset for the purpose of this project to look for relationships and/or patterns through the use of Tableau. The baseball dataset contains 1,157 baseball players along with some batting statistics such as their batting averages, number of home runs, and their handedness. (whether they are right-handed, left-handed, or ambidextrous) The dataset also includes their names, height in inches, and weight in pounds. We will use various techniques to analyze the relationships between variables for example do taller individuals have more home runs. There are two versions of my Tableau Story that I have linked below:

First Version: https://public.tableau.com/profile/matthew.phillipson -!/vizhome/MatthewPhillipsonCreateaStoryTableauUdacityProject/BaseballPlayersPerformances

Final Version:
https://public.tableau.com/profile/matthew.phillipson#!/vizhome/CreateaStoryTableauFinalVersion/BaseballPlayersPerformances?publish=yes

Summary

Out of the 1,157 baseball players in the data set 737 are right-handed, 316 are left-handed, and 104 are both or ambidextrous. When comparing batting average to home runs there is no clear correlation amongst the variables. The maximum batting average of 0.3280 belongs to a baseball player that is 72 inches tall or 6 feet tall. The maximum batting average of 0.3280 belongs to a baseball player that weighs 170 lbs. The most home runs hit are by players that are 74 inches tall or 6’ 2” tall. The most home runs hit are by players that weigh 190 lbs.

Design

For the initial version the first thing I analyzed in the baseball dataset was the Number of players that are right-handed, left-handed, or both. I used a bar graph to display the findings.

Batting Avg vs. HR is represented by a scatter plot. The handedness is colored to help further differentiate the data points.

Height vs. Batting Avg is shown by an area chart.

Weight vs Batting Avg is also shown by an area chart.

Height vs. HR is displayed as a bar graph.

Weight vs. HR is displayed as an area chart.

In the final version I expanded on the axis's names as well as included additional sentences in each story tab to briefly introduce what that tab would be describing.

Feedback

1. It was recommended to expand my discussion on the story tabs to make it easier to the readers to understand what I am trying to convey.

   Action: Elaborated on each tab of the story to introduce what was being done in each graph.

Conclusion

Based on the graphs and analysis the most common batters are right-handed. The most successful batters are between 72-74 inches tall and weigh between 170 – 200 lbs.

Resources N/A