

Data Story Telling – Baseball Data

Introduction

This report aims to present the explanatory data visualization steps and to communicate the findings and patterns on the performance of baseball players. The analysis is done using Tableau and 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.

1st Story: <https://public.tableau.com/profile/msaprofile#!/vizhome/storyfirstversion/Story1>

Second Story:

<https://public.tableau.com/profile/msaprofile#!/vizhome/storyfinalversion/Story1>

final Story:

<https://public.tableau.com/profile/msaprofile#!/vizhome/storyfinalversion-updated/Story1>

Summary

In this project I have used different visualization techniques to communicate insights on baseball data. I have analyzed the relationships between variables, such as: handedness, height, weight and home runs.

Design

Initial version

For the first analysis, *Number of Records by Handedness*, I choosed a bar chart to easily see how many observations we have by the type of hand (left, right or both).

After that we made avg home runs vs weight observation and change the color to the sum of the home runs for each weight to see the size of each weight

Next was to make the same observation but with grouping the weight to better show the results and made box plot with the home run values per each weight

the next observation was avg home runs vs handedness this plot showed that left handed players has higher avg home rus , i choosed this plot to show the avg hr per each hand

after that i moved to the height factor and made an observation between the home runs vs height that showed that most of the home runs are held by the players who have a height of 74 inches.

i choosed this plot to see the distribution of height according to the max home run

finally i made an observaion between the top home runs and name of players and handedness also to show the top 10 players name and hand

Final version

In the final version I added 2 more charts to coorect the missing plots I found in the first version. The maximum batting average vs height and maximum batting average vs weight.

Feedback

1. first i created the visualisations and publish them to get feedback on my story

i did not get any feedback from others yet but i found that i was focused on hr and didnot used batting average

Conclusion

As a conclusion, the top baseball performers are right handed and have a height between 72 and 74 inches. There is no clear relationship between performance and weight.