

Baseball Dataset

Initial version link:

<https://public.tableau.com/profile/saleh7630#!/vizhome/projectvirsion1/Story1?publish=yes>
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Last version link:

https://public.tableau.com/profile/saleh7630#!/vizhome/Tableauprojectv_3/Factorsaffectin gbaseballperformance?publish=yes

Summary:

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. This project analyses the factors affecting the baseball performance based on the players attributes including handedness, height and weight.

Design:

Firstly, I designed three bar charts that shows the handedness of the players either (right, left or both). Also the charts showed the batting average as well as the home run for all the hand types. For all the bar charts, the right handed have the highest proportion.

In the second analysis, a scatterplot was used to see the relationship between batting average and home runs colored by the handedness. No clear relationship was observed. A filter was added by the players' names.

In the third analysis, the relationship between players' height and batting average as well as home run were presented in line charts (they were changed to area charts afterword based on reviews). The chart shows that 72 inch tall has the highest batting average and also the most home runs.

In the fourth analysis, , the relationship between players' weight and batting average as well as home run were presented in line charts (they were changed to area charts afterword based on reviews). The chart shows that players who weigh 170 pounds have the highest batting average. Moreover, players who weigh 195 pound perform most of the home runs.

Feedback:

- 1- The title of the story does not reflect the idea of the story (Story1). This needs to be changed to meaningful name.

The story name has been changed to a meaningful one (Factors affecting baseball performance).

2- The top left chart, there is no need for different colors as the insight can be realized from the x axis variance as well as the bars height.

The different colors were changed to be one color which is blue.

3- In the bottom left charts, the lines looks messy and it will be better to change it to different type of chart.

The relationships between (weight & height) and (batting average & HR) were changed to area charts.

Conclusion:

As a conclusion, the right handed players have the best performance. In terms of weight and height, players who weigh 170 and 195 have best performance. Moreover, players who are 72 inch tall have the best performance.