UDACITY

Data Story Telling Project
(Baseball Dataset)
By: Abeer Alharbi

Introduction

At this project we aim to tell a story using visualizations to explore the performance of baseball players. The analysis is done using Tableau.
The dataset which provided to us from Udacity, had 1,157 baseball players, along with their handedness, batting average, homeruns, height and weight.

Initial Story:

https://public.tableau.com/views/createdatastory/Story1?:embed=y&:display_count=yes&publish=yes

Final Story:

https://public.tableau.com/shared/NKJW3FWFK?:display_count=yes

Summary

In this project I have used different visualization with different techniques to explore the baseball dataset. I have analyzed and compared the relationships between the variables exist at the dataset, which are handedness, batting average, height, weight and home runs.

Design

Initial version:

- For the first tab, I analysis the number of records by handedness using a bar chart to easily count how many players according to their type of hand (left, right or both).

- The second tab was like a general summary for the dataset to see the total range's of data present in the dataset using a bar chart also.

- In third plot I explore the maximum Batting Average per Height using an area chart. The Highest batting average seems associated with the players who have a height 72 of inches.

- For fourth plot is plotted between the maximum Batting Average vs Weight represented by an area chart as well. The plot shown that the highest batting average was associated with the players who have 170 pounds of weight.

- In fifth plot, scatter plot is plotted between weight and height to see the relationship between them.

- For sixth plot, I plotted between Home Runs and Height using an area chart to see which height leads to the most home runs. The plot shown that the players who have 75 inches had the most home runs.

- In seventh plot which is the Home Runs vs Weight I plotted using an area chart to see which weight leads to the most home runs. The plot shown that most of the home runs associated with players who have 190 pounds of weight

Final version:

In the final version I adjusted the charts according to the feedback I received and added a final dashboard.

Feedback

1. The name of my story - Story 1 - is not given any explanatory about which I am doing.

Action: change the title of the story to 'Story of Baseball players' Performance'

2. The color of the two chart is not appropriate.

Action: change those colors to give the appropriate insights.

3. The exterior appearance of the first two visualization.

Action: swap rows and columns.

4. the dashboard of Batting average for both Height and Weight is not clear.

Action: this is due to open the link through mobile not a laptop.

Conclusion

As a conclusion, the top baseball performers are right handed with height 72 and weight 170.