Project: Create a Tableau Story

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First version

https://public.tableau.com/profile/jeffrey.ryu#!/vizhome/L8_project_baseball/story_v1?publish=yes

Final version

https://public.tableau.com/profile/jeffrey.ryu#!/vizhome/L8_project_baseball/story_final?publish=yes

Summary

I used the baseball data to visualize some information behind the data. As I was initially doing the project, I noticed that there were few players with same name that were distorting the graphs I was making in Tableau. I thus went back and cleaned the data and decided to show some information about the names. There were only two baseball stats available in the data: home runs and averages. Thus, I focused on showing these by comparing to other characteristic data.

Feedback

I have received many constructive feedbacks from several friends along the way. Here are some of them:

- Who are the players that are on the data since this is not a complete list of all MLB players. So I decided to do some name checking, which eventually led to the story point 1. This also led to listing HR and AVG by player's name on story point 2, because it was not a complete list.
- One feedback was it would be more interesting if the 'Handedness' was changed from colored marks to a filter in Story point 3 to be more interactive. This was updated.
- Another feedback was if there were any relationship between height and weight. This led to Story point 6.

Design

Story point 1: For the same named players, I chose the circle marks because it looked more visually engaging than just listing player's name. For the common last name, I chose the circle instead of bar charts because it looked cleaner. For the count of first letter of last name chart, I chose the bar chart because it needed to compare the amount. I also decided to keep the columns in alphabetical order instead of sorting by the count, because it was easier for me to go through the alphabet.

Story point 2: Scatter plot seemed most logical choice for showing the relationship between HR and average. I also used bar chart charts to list the player's home runs and averages. Adding the color marks for 'handedness' provided additional information.

Story point 3: Box plots were useful to show the distribution of HR and AVG by handedness. Also, showing the handedness in percentage bar chart instead of count allowed me to understand the distribution quickly, instead of trying to calculate it.

Story point 4 & 5: Histogram makes sense to show the distribution of continuous (or semi-continuous) variables. I used the scatter plot for height & weight versus HR & AVG, because the scatter plot would show the exact relationships.

Story point 6: I also chose scatterplot for weight versus height because it clearly depicts the relationships between the two variables.

Resources

N/A