Baseball Statistic Tableau Visualization Project

Project Creation Before Feedback:
https://public.tableau.com/profile/bridget.nickell#!/vizhome/BaseballStatistics_15960443273400/Story1?publish=yes

Project Creation After Feedback:

https://public.tableau.com/profile/bridget.nickell#!/vizhome/BaseballStatisticsExploration/Story1?publish=yes

Summary

In the Tableau visualization I have inserted the given baseball dataset. In this data set there are 1,157 baseball player's names, weights, heights, number of home runs, averages, and their handedness. The most interesting attribute was the handedness for which hand they play with. Therefore, I added this as a measure for home runs and averages while also adding in weight and height to see if this had an impact on the performance statistics.

Design

During the creation of this visualization I decided to attempt to create as many visualizations that made sense with the variables and in attempt to draw the viewer more interested in the data. I believe the horizontal bar graphs are an attention grabber. Also, the Stacked bar graphs add interesting visuals to the data. As for colors I used the same throughout each stage of the story. This was because I chose the color-blind palette to make sure that everyone viewing would be able to make the distinction. Also, the main point of the visualization is the handedness and how it affects scoring statistics therefore it made sense to make the colors the same throughout the story.

After getting feedback I was made aware that more information was needed for background, therefore, I added the overview page at the beginning of the story to show the viewers what data was contained in the dataset including the variables and number of records entered. I noticed on my out revision that not all the axis titles were in the same format. In order to resolve this issue I edited the abbreviated axis titles and added the correct names for each.

Feedback

Feedback from person 1:

- What do you notice in the visualization? There are more Right handed people. Also the average weight is around the 174lbs area.

- What questions do you have about the data? What year was this data pulled from? Was this from one year, one month? What is the sample size?

- What relationships do you notice? It appears as there are twice as many rights than left. Also there half as many that can use both hands.

- What do you think is the main takeaway from this visualization? There are more homeruns made from right handed people, but also there more right handed people.

Feedback from Person 2:

- What do you notice in the visualization? I noticed that more left handed players had over 450 home runs than right handed players.
- What questions do you have about the data? Is there an average weight that seems to make it more likely for a player to hit home runs?
- What relationships do you notice? I see that there is a large number of players that are right handed versus left handed. I also see a majority of players are between 150 and 200 lbs.
- What do you think is the main takeaway from this visualization? There have been a lot of baseball players. You should have a batting average of better than .20 to play professional baseball.
- Is there something you don't understand in the graphic? It was very easy to read.

One reflection from the feedback I was unable to answer / correct was when the data was collected. Person 1 asks this question in their feedback and I look through the project details as well as the dataset but was unable to find the time period / dates this data was collected.

Resources

https://public.tableau.com/views/Project_baseball_data/Story2?:embed=y&:display_count=y&:showVizHome=no#1

https://classroom.udacity.com/nanodegrees/nd002-wgu/parts/709e6bde-b01a-4a04-8c2d-1b0d06f2abd4/modules/881a523a-1c6e-4aeb-81fd-49e389120ba9/lessons/85251247-20a0-4873-9190-733c9c25e764/concepts/656b2cfc-9c83-4d19-931a-af681d43f92c