Tableau Project: Baseball Handedness Exploration

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Hyperlink to project:
https://public.tableau.com/profile/mathias.wainer#!/vizhome/BaseballProjectv2/Story?publish=yes

Hyperlink to 1st version (pre-feedback):

https://public.tableau.com/profile/mathias.wainer#!/vizhome/BaseballProject_0/Story

Summary:

For this project I am using a dataset that includes 1100+ player names, their handedness (lefty, righty or both), height, weight, hitting average and total homeruns. The exploration seeks to visually identify how handedness affects homerun average. This effect should hold true regardless of other features such as weight. The visualizations include bar-charts, a histogram, a scatter plot and a line graph.

Design:

My first plot is a bar graph that shows the number of players in the data according to their handedness, I added a title after the feedback to distinguish between the first two graphs. The second graph is also a bar graph; this graph shows the average homeruns for a player of each handedness. I added a clear title to make it clear that the y-axis is different between the first two graphs. On the bottom left I have a histogram which shows the frequency of homeruns in the dataset. Since a histogram only has one dimension there is no x-axis label. I kept the default blue color since it is easy on the eyes.

My 4th plot is a scatter plot where each point in the x-axis had 3 values that are distinguished by shape and color. I decided to double encode handedness because many of the values are close together and there are trends I want viewers to easily find. I chose the 'pastel palate' so it would be easy on the eyes. I avoided using red and green together to account for possible colorblindness. My final plot is a line graph. I used the same pastel palate as the previous graph to maintain consistency. Some line-smoothing in the form of moving average was used to make the plot clearer to interpret.

All plots have the interactive highlighting when features are clicked. This way the viewer can look at only one handedness at a time if desired.

Feedback:

"The first two plots are bar plots with the same x-axis. Since there was no title I thought the y-axis were the same" Adding a title to all your graphs will aid the viewer interpreting the graphs.

Hide the legend for "At_least_one_HR" as you don't want viewers selecting 0 homeruns or All. Assume viewers will click on all interactive legends.

Make sure to drive home the links between graphs. Adding titles should be all that's needed to do this. Currently I don't know how the first 3 graphs fit together.

Resources:

Udacity for the database.

https://stackoverflow.com

https://community.tableau.com/community/forums

Data Files

CSV is attached to submission and is called "baseball.csv"