Baseball Tableau Story

Initial Version :
https://public.tableau.com/profile/elsayed.mustafa#!/vizhome/BaseballStory_v1_15683564045920/Story_v1

Final Version :
https://public.tableau.com/profile/elsayed.mustafa#!/vizhome/BaseballStory_v2_15683907115770/BaseballStory_v2

Summary

Our dataset contained, baseball players' names, handedness, homerunning score, average batting, height, weight, and a newly made categorical variable, weight factor. In this story, we are trying to discover patterns, relationships, and some statistics (i.e. relationship between weight and homerunning, or average homerunning score for left handed players, etc.). We've collected player's ranking based on skill, or experience, which also gives us an idea about homerunning, and batting average maximum scores. But most of our work will be containing aggregates of homerunning, and overall average of each player's average, which can be confusing, and with these aggregates trying to visualize statistics about handedness, and weight.

Design

Initial Version

For exploring our top players in homerunning and batting, we visualized them using a bar chart, since it conveyed the information best, and also the names are completely independent obviously, which is another point in favor of bar charts.

We decided to filter these charts by weight factor, and handedness, instead of creating new charts. These show us for example, which of our top players are left-handed, or which players are lightweight.

Next we visualized the statistics about homerunning and batting average, based on handedness using a bar chart, encoded by colors representing our handedness groups' number of records. They are also filtered by weight.

Finally we explored the relationships between weight factor and our aggregates directly using a line plot. A scatter plot here was possible, but trying it nothing stood out for me, but condensing homerunning score and average batting by average for each weight class, gave us a line indicating a strong relationship.

Final Version

After the feedback, I changed my line charts to bar charts, since we're comparing few categories with continuous data. and I decided to add titles to my worksheets, which wasn't possible to do directly, so I had to first put the worksheet with the title in a dashboard, and then put the dashboard in the story.

I also added a dashboard to give a nice overview to the rest of the story.

Feedback

I got good feedback mostly from two colleagues about my initial version, but I can't tell if they were impressed with my work or with Tableau itself, but I got one good feedback from Udacity's student hub as well with two suggestions mentioned :

- Adding titles to my charts in the story portion.
- Line charts should be used with time series.

Resources

N/A