Tableau story of Baseball Players data

This project is a data visualization of several baseball players measurable features including height, weight, batting average, home runs and handedness (left, right, ambidextrous).

I created several visualizations and insights using Tableau, which revealed very interesting relationships between some of the features .

First Visualization:

https://public.tableau.com/profile/susana.chicano#!/vizhome/BaseballData-v1/Story1

I received feedback:

1 - A summary was needed, so I added it

2 - Some of the axis labels needed correctections and also some of the caption texts

3 - More visualizations were needed to enrich the story so I created a couple of correlation charts that display the relationship between variables.

Final Visualization :

https://public.tableau.com/profile/susana.chicano#!/vizhome/BaseballData-v2/Story1?publish=yes

Summary

I used visualization techniques to describe several features in the dataset and to explore the relationship of factors like handedness, weight, height and home runs and batting average.

In the first two visuals, I created two bar charts. In the first one, I wanted to show the number of players classified by handedness. Having the L, R, B labels on the Y axis provided me with a better visualization. In the second one, I wanted to see if being left handed, right handed or ambidextrous made a difference in the batting average as well as the home runs. In this case too, the display improved by placing the L, R, and B labels on the Y axis (represented as rows).

In the third visual, I chose histograms. They provide the best overview of the distribution of players height and weight.

Then I chose a scatter plot, which does the best job representing the relationship between features, in this case, batting average and home runs. To simplify the graph, I used bins in the column section, which displayed the home runs.

In the last chart, I used a line graph to show how the batting average and height related to each other. It did a great job at showing a negative relationship between those two factors.

One of the insights I found out was that the shorter the players, the higher their batting average. The opposite occurs when looking at the relationship between the batting average and the home runs. Not surprisingly, a higher batting average increases the home runs.