

Udacity Data Analyst- Part 8 – Project 8

Data Story Telling

By Amani Abbas

Introduction:

I have used the Baseball dataset which contains 1,157 baseball players including their handedness (right or left handed), height (in inches), weight (in pounds), batting average, and home runs.

Two versions of my Tableau Story:

[First version](#): before feedback

[Second version](#): after feedback-1

[Third version](#): after feedback-2

Summary:

In my Tableau story's visualizations I tried to show some physical characteristics for baseball players. I also tried to convenience the viewers that height and weight of the baseball player affects his performance as both are showing a strong negative relationship with the batting average.

Design:

In my visualizations I used a lot of line bars, histograms and bar chart, as these graphs show the data in a clear way and in a way that is not misleading.

First point in the story: I used line chart to show the distribution for both weight and height in separate graphs.

Second point: I am showing height and weight for different handedness, I also made the handedness bar graph interactive where the viewer can click on any bar (right handed, left handed, both) to show height and weight distribution for that particular group.

Third point: I showed the relationship between handedness and batting average, and the relationship between height and weight.

Forth point: I used scatter plots with trend lines to show the negative relationships between batting average and both height and weight. (changed after feedback – look at Feedback-2)

Feedback-1:

I got feedback from my colleagues in Bertelsmann Udacity Slack group, and all got fixed in the updated version of the Tableau Story.

- 1- Use scatterplot instead of line chart for the relationships between height and weight with the batting average because I am using a trend line as well. - fixed
- 2- Some sentences don't start with a capital letter – fixed.
- 3- Misspelled the word average in the first point – fixed.

Feedback-2:

This is the feedback I have got after submitting my project to be reviewed.

- I suggest you explore and use more types of filters.
 - Added two filters in the last point , used histogram for batting average and height (with handedness filter), Scatter plot with batting average and weight (handedness filter), so two different kinds of filters one with a drop-down list, and the other with colored bars.

Resources:

1- Baseball Dataset:

https://docs.google.com/document/d/1w7KhqotVi5eoKE3I_AZHbsxdr-NmcWsLTiiZrpxWx4w/pub?embedded=true

2- The story I have created is influenced by these two articles:

[Baseball Players: Does Size Matter?](#)

[Does Player Size Matter in Youth Baseball?](#)

Final version:

https://public.tableau.com/shared/C778W8RYW?:display_count=yes

Second version:

https://public.tableau.com/profile/amani5058#!/vizhome/Baseball_data2_15544031138230/Story1?publish=yes

First version:

https://public.tableau.com/profile/amani5058#!/vizhome/Baseball_data_15543897214900/Story1