

## Create Tableau Story – Baseball Data

First Project:

<https://public.tableau.com/profile/paula4533#!/vizhome/BaseballExaminationofPlayers/Handeness>

Final Project:

<https://public.tableau.com/profile/paula4533#!/vizhome/BaseballExaminationofPlayersFINAL/Handeness>

**Summary:** The data contains 1,157 baseball players including their handedness (right, left, and both), height (in inches), weight (in pounds), number of the records, batting average, and home runs. The purpose of this tableau project is to show the differences among the performance of the baseball players.

### Design:

**1)Histogram:** The main reason I chose the histogram is to check the weight and height in range grouped. Plus, I need to check the frequencies of the (how many times each score occurs).

**2)Bar chart:** Do not confused with histogram. A bar chart is used to check the categorical data such as left-handed, right-handed, and both-handed. They are used to compare the frequencies.

**3)Scatterplots:** I have used the scatterplots to check the relationship between two or more sets of data.

**01/06/19**

**LABELS–** I changed some of the labels because my second reviewer had hard time recognizing ‘avg’ as batting average. Therefore, I am going to change ‘average to ‘batting average’. Additionally, to make more specific --I am going to change ‘weight’ to ‘weight (pounds)’. Additionally, I realized that using jargons were confusing my second reviewer because he was not familiar with statistics and baseball. Therefore, I am going to add more explanation what the correlation is all about.

**01/08/19**

**BMI –** My third reviewer gave me another idea to add more information in my data analysis table. I was thinking to add BMI (body mass index). I am sure that it would give me another insight on how it would affect the performance of the players and their BMI.

Before making a BMI, I am using the BMI formula and create a new calculation measure.

**01/10/19**

I have added more chart in the “Weight” and conclusion from the “Height”. Hopefully, I made my conclusion clear and simple to understand.

$$\text{BMI} = \frac{(\text{weight in pounds} \times 703)}{\text{height in inches}^2}$$

### Feedbacks:

First reviewer (01/01/19):

1)What do you notice in the visualization?

Scatter dots of players

2)What questions do you have about the data?

What can this data be used for

3)What relationships do you notice?

The average is based on the home runs of each player.

4)What do you think is the main takeaway from this visualization?

The colors of the graph.

5)Is there something you don't understand in the graphic?

No

Second reviewer (01/06/19):

So far, everything seems good.

1. What do you notice in the visualization?

pretty much it explains how players are better in baseball based by their handedness

2. What questions do you have about the data? Why this specific data? Why those specific players? Are they the best players in baseball in history?

3. What relationships do you notice? Only thing I noticed is that the best players (left handed ones) don't correlate to the most hand-dominant players (right handed ones)

4. What do you think is the main takeaway from this visualization? Check previous answer

3. Is there something you don't understand in the graphic? Pretty much the 'avg avg' part. What does it mean? Lol

**Third Reviewer(01/06/19):**

1. histogram, bar graph, and scatterplots

2. What is the BMI of the players? How BMI affect the performance of the players?

3. Handedness, Weight, and Height
4. What makes a good player...
5. None

**Fourth Reviewer (01/09/19):**

1. Bar graph and scatterplots
2. Does height affect baseball performance?
3. Everything is good but needs to make a clear a final conclusion.
4. A little bit.

**Resources:**

-Why Lefties Make Better Players

<https://www.newsweek.com/science-why-lefties-make-better-baseball-players-92783>

-Baseball Players are getting Fatter, Study says:

<https://abcnews.go.com/Health/MensHealth/baseball-players-overweight-study-suggests/story?id=10001820>

- Calculate your body mass index

<https://www.youtube.com/watch?v=5RXRr8PKunk>

-What Health

<http://www.whathealth.com/bmi/formula.html>