

# Tableau Data Story Telling – Baseball Data

## Introduction

This report aims to present you the insights and findings from the baseball data of 1157 players, visualized using the Tableau. This analysis is done to find patterns in performance of baseball players with the help of data that included the handedness (Right, Left, Both), home-runs, weight (in pounds), height (in inches), and averages.

## Summary

In this project, I used some of the tableau visualization techniques to find out how the variables depend on each other. I used bar charts, scatter plots to analyse the relationship between data.

## Design

First, I took a glance at data to find out the categorical variables from the dataset. There was only single categorical variable i.e. *Handedness*. Using a bar chart, I visualized the data by *Handedness*. There are a lot of Right Handed Batsman than Left Handed, so we need to normalize the data, else we will get the biased results. We will use average and median to get unbiased results.

Then, in next slides, we plotted *Median Of Batting Averages By Handedness*, *Average Weights By Handedness*, *Average Heights By Handedness*. The Median of Right Handed batsmen is around 0.233, and of Left Handed batsmen is 0.248. We find out that Heights and Weights are more the less same independent of the Handedness.

By plotting *Average Home Runs By Handedness*, we find out Left Handed Batsman more likely to hit home runs than Right Handed Batsman.

We plotted *Sum Of Weight vs Sum Of Height*, we find that, there are some outliers in this dataset (this time outliers are the duplicate entries), so to get rid of them, we again used *Average Of Weight vs Average Of Height*.

At last, we plotted bar charts to find out the top players of baseball in this dataset. We used two measures, *Number Of Home Runs*, and *Averages*.

## **Conclusion**

In the Performance Analysis of Baseball players, we find that the top players that hit more home-runs have Weight more than 175. Also, the Left Handed batsman are more likely to hit home runs than Right Handed batsman.