

Baseball Project

Summary:

In this dataset we analyzed 1,157 baseball players from several aspects, their height, weight, either they use left or right or both arms, and how many home runs they made. We have created a calculated field to calculate the BMI of their bodies to have their weight to height ratio in 1 field.

The dataset investigates the relation between HR and players BMI and avgs.

It was found that most players have a BMI between 20 and 30, which the top players BMI was ranging between 22 and 26.

The boxplots for height and weight showed that upper and lower hinge for the weight is 175 and 195 pounds, and for the height is 71 to 74 inches.

The Average BMI for the players was found to be 24.85 and the average HRs was found to be 45.48 HRs.

The Maximum HR for a player was recorded to be 563 successful HRs which was achieved by Reggie Jackson.

When Analyzing the players with 100+ HRs, we found that their BMI upper and lower hinges were between 23.7 and 25.7, which can be used as a recommendation for better fitness for the players.

Design:

We choose the scatter plot design to investigate two and three variables as it shows the relationship between these variables. We also choose bar charts to show the players distribution regarding HRs.

We included boxplots to show the quantiles of height and weight as well as boxplots shows median and quantile ranges.

After feedback we clustered the players based on the HR field to low, medium and high HR.

Feedback:

Clustering the players by handedness only is hard to be read as too many players are clustered in the same place, and suggested to cluster them based on the low, medium and high HR.

First review feedback:

Entitle your "Story 1" with a better meaningful title that suits your project's idea and to give readers a better view for it.

Avoid using abbreviations such as L, R, and B. Use full words instead, because not all readers would understand what these letters stand for.

In your Design section, you have to explain the reasons behind chosen chart types. For example: Why did you choose a scatter plot? What does it help you in?

Second review Feedback:

you are expected to design an entire story around the dataset that you can present to viewers. A single dashboard is not enough to influence the minds of the viewers.

convert the current version into a story so that it will be more appealing

Resources:

N/A

Before feedback

https://public.tableau.com/profile/ahmed.makkawi#!/vizhome/BaseballProject_9/Dashboard1

After feedback

<https://public.tableau.com/profile/ahmed.makkawi#!/vizhome/BaseballProjectEdited/HieghtandWeightdist>