

Baseball Analysis Tableau Story

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Links:

First Tableau Story:

https://public.tableau.com/views/BaseballAnalysis1/BaseballAnalysis?:embed=y&:display_count=yes

Final Tableau Story:

https://public.tableau.com/views/FinalBaseballAnalysis/BaseballAnalysis?:embed=y&:display_count=yes&publish=yes

Summary:

In this project I analyzed & visualized a baseball dataset containing 1157 baseball players, this dataset contain information such as the Handness of the player, weight, height, average batting and Homeruns, The purpose of this project is to see what could be a factor in being a good baseball player, The visualization contain information like the top 8 players in Homeruns or Batting average, and relationships between variables such as Batting average vs Homeruns colored by handness, in the end I observed that left handed players are better in scoring more homeruns.

Design:

At the start I choose a bar chart to view the basic stuff such as the number of record for handness, weight and height, I used bar chart as well to view relationships between handness vs Average homeruns and handness vs Average batting average.

I Also choose bar chart to view the top players in Homeruns and batting average and colored them by handness to view which handness the top players have.

Then I choose scatter plots to view relationships between variables such as Average batting vs Homerun, then add handness as color to observe even more information.

I also created a line plot to view trends between variables such as Weight vs Average batting average.

I have a drop down for handedness where you can just view players with any handedness, There's also a range of values in Weight/Height Vs Homeruns Where you can choose to view only values with specific homeruns for example between 1000 and 1500 homeruns.

Feedback:

I have showed my first tableau story to a friend and family and received the following feedback:

"You should add an introduction and a conclusion slides in the presentation, at the introduction I think I need to know what you will try to do with your data and what you will accomplish with it, and then in the end have a conclusion of what you have achieved "

"At first, I didn't understand what R, L, B mean but after taking some time to think about it I figured what it supposed to mean"

"You shouldn't specify color by handedness in number of record by weight and height since you just want to look at the records by weight and height"

"The presentation look's well organized and look's good"

"I didn't get what HR meant but after thinking about it I got it"

After receiving feedback I made some actions in the feedbacks :

I Added an introduction and a conclusion slide.

Changed R, L, B to Right, Left, Both.

Removed handedness color in the number or record by weight and height.

Changed HR column name to Homeruns.

And then saved the changes to a final tableau story.

After that I asked them if they had questions about the data and I received the following questions:

Does Age or the amount of experience effect the players performance?

Does the amount of training effect on being a good baseball player?

Resources:

Udacity Tableau lessons