

# Tableau Story: Baseball

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- **Story Versions:**

- The first version of the story  
<https://public.tableau.com/profile/rawan7277#!/vizhome/MyBaseballStory-Version1-Rawan/BaseballStory?publish=yes>
- The final version of the story  
<https://public.tableau.com/profile/rawan7277#!/vizhome/BaseballStory-UpdatedFinalVersion-Rawan/BaseballStory?publish=yes>

- **Summary:**

I made some visualizations of the baseball data that includes the variables (name, handedness, height, weight, batting average and HR which stands for home runs). I created four sheets focusing on the handedness and its effect on batting average and home runs and the relationship between batting average and home runs for the players. I created one dashboard that contains the three sheets of the handedness. Finally, the story is very simple but communicates the important insights to be known by the reader.

Generally, the visualizations show that right handed players are more than left handed players and there are 104 players who use both hands. Also, the bar charts indicate that there is no big difference between players who are left handed and players who play with both hands. But, players who are right handed have less average of batting average 0.17 and players with left handed have the most home runs while players who play with both hands have the least. Finally, the scatter plot indicates that higher home runs doesn't necessarily mean that the player has higher batting average.

- **Design:**

- The initial design choices I made before receiving the feedback:
  - 1- In the pie chart, I added a tooltip that shows the information of handedness, batting average, home runs and number of players for each type of handedness.

- 2- Also, I added a filter (Handiness).
- 3- I changed the name of "number of records" to be "players" to be understood easier by the reader.
- 4- I used tooltip in the bar charts that show the beating average and home runs for each type of handedness.
- 5- I added the "name" to the details in marks in the chart that shows the relationship between beating average and home runs and I added "handedness" as a filter.
- 6- I changed the size to "automatic" in the dashboard and story.

#### Why these types of charts?

- I have chosen the pie chart because it is the best option when comparing parts of a whole (in my story it compares the number of players among 3 types of handedness).
  - I have chosen to use the 2 bar charts to explain the effect of handedness on other factors because it is the best option when visualizing categorical data.
  - I have chosen the scatter plot to visualize the relationship between beating average and home run because it is the best option when measuring the correlation between 2 variables/features
- The design choices I made after receiving the feedback:
    - 1- I renamed "Avg" AND "HR" variables. I wrote the full name in addition to the abbreviation.
    - 2- I added a filter by "name" in Avg vs HR chart.
    - 3- I added a simple summary for each chart in the story.
    - 4- I added the count of "players" as a label in the pie chart.
    - 5- I removed the sum of beating average from the tooltip in the beating average bar chart.

#### • **Feedback:**

I shared my story with Manar Alharbi; one of my colleges in the university and she has "Business Analyst" nanodegree. She reviewed my story and gave me four useful notes:

- 1- Don't use only abbreviations such as "Avg", and "HR" because not all readers will be able to understand them at least not very quickly.

- 2- Its will be much better if you add a filter by names to the Avg vs HR chart because the reader may be interested to view the details of one or some specific players and without having filter it would be much difficult to find the wanted player.
- 3- Its better to add a very simple summary to each graph to communicate the insight to the reader.
- 4- It would much better if you add "the number of players" as a label in the pie chart.

The point I noticed by myself to be updated:

- No need for showing the sum of beating avg as a tooltip in the bar chart because as indicated, the main purpose of the chart is to show the average of the beating avg not the sum.
- **Resources:**
  - Udacity lessons.
  - <https://public.tableau.com/profile/ash.upadhyay#!/vizhome/Udacity-BaseballFinalProject/FinalStory>
  - [https://onlinehelp.tableau.com/current/pro/desktop/en-us/story\\_create.htm](https://onlinehelp.tableau.com/current/pro/desktop/en-us/story_create.htm)