

## BASEBALL STORY WITH TABLEAU

Version 1:

<https://public.tableau.com/profile/andrei1073#!/vizhome/baseballandrei/Story1?publish=yes>

Version final:

<https://public.tableau.com/profile/andrei1073#!/vizhome/baseballandreifinal/Story1?publish=yes>

### Summary

With this data visualization, we want to understand the relationship between the physical features of baseball players and their home run performances. We investigate this relationship based on their heights, weights and handedness. With the graphs in the story, we will visualize these relationships.

### Design

We mostly used histograms to visualize the distributions of the variables. Namely we notice that the height and weight of the players have normal distributions.

We use a bar chart to see the distribution of home runs based on handedness. The reason for using a bar chart in this case is because handedness is a categorical variable with 3 classes: left, right, and both.

We also use scatterplots to see the relationships between weight, height and home runs.

### Feedback

- What do you notice in the visualization?

I notice that the best home run performance was achieved by players with a height between 71 and 76 inches, and a weight between 180 and 200 pounds.

- What questions do you have about the data?

What is the sample size of this dataset?

- What relationships do you notice?

The best HR performance happens in the middle of the value range of the variables (height and weight).

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

There is a certain height and weight range that impact HR performance the most.

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

No, it's clear.

### Improvements

We improved the design of story. Namely, we edited the titles of the graphs to be more clear. For instance, instead of L, we note "Left". We also added the units of measure of the variables. I.e. inches for height, and lbs for weight.

We also changed the sample sizes in the legend of the last graph. We reduced them to only 5 sizes to avoid scrolling through the legend.