Baseball Stats | Data Story

Sarah Aranda

First Draft: https://public.tableau.com/profile/sarah.castillo#!/vizhome/baseball_version_01/Story1

Final Draft: https://public.tableau.com/profile/sarah.castillo#!/vizhome/baseball_version_02/Story1

Summary

This story looks at a baseball dataset that includes information about homeruns, batting averages, handedness, heights and weights of over 1,000 baseball players. Relationships between performance variables and attributes given are explored. In addition, high performance groupings (those in the 90th and 95th percentile in batting averages and homeruns) are considered. The story reveals that height, weight, and handedness are not necessarily strong predictors of performance in baseball.

Design

Some of the more important design choices I made at the very beginning was to keep the number of visualizations on each page of the story minimal in order to present the information clearly to the audience. I also opted to use color conservatively and strategically in order to highlight certain groupings or to ease visual comprehension of the graphic.

I received feedback on the first draft of the story I produced. Edits I made were in response to the feedback; these edits largely included better contextualization of the information presented such as explaining a variable, explaining how the data was filtered, and adjusting some of the aesthetic components.

Feedback

Detailed feedback is attached on the following page.

Resources

- To gain a basic understanding of Tableau, I used the tutorials from the Udacity site. www.udacity.com
- For various questions I had in creating the charts, I often accessed the following resource: https://community.tableau.com

Baseball Stats | Data Story (Feedback)

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After an initial pass at the story, I shared it with a colleague for feedback and critique. The questions he answered for each page of the story were the following:

1. What do you notice in the visualization?
2. What questions do you have about the data?
3. What relationships do you notice?
4. What do you think is the main takeaway from this visualization?
5. Is there something you don't understand in the graphic?

The text in blue indicates the feedback I responded to with edits for my second pass at the story.

Feedback

Page 1

1. *Lots of data points*
2. *-*
3. *Higher average, more homeruns*
4. *The slope line*
5. *-*

Page 2

1. *The 90% is small*
2. *-*
3. *Homeruns has a greater variance*
4. *The 90% is small*
5. *–*

Page 3

1. *The Orange is bigger*
2. *-*
3. *Both stays near the same*
4. *Higher % lefties are high performers*
5. *Want to see percentages*

Page 4

1. *Others have a more gradual slope, performers have peaks*
2. *Didn't mention height in the write up*
3. *The drop in the middle of height performers*
4. *Performers jump around in their data*
5. *-*

Page 5

1. *There are even fewer still super performers*

2. -
3. The 95% range for homeruns is a lot bigger than batting average
4. The best of the best have close averages, but vary in homeruns
5. The numbers in the legend

Page 6

1. The right handers have closer grouped data
2. The checkboxes in the legend
3. Are the boths in the middle of the lefts and rights
4. which handed goes past the average the most ?
5. why the blue wasn't grouped together, the numbers in the legend

Page 7

1. Not many very low batting averages
2. -
3. The taller they are, the fatter they are usually
4. Taller and fatter had lower batting average
5. -

Page 8

1. The gap where the most homeruns occurred
2. Why does count of records have 10, 20, 30
3. The gap where it seems the best height weight ratio for homeruns
4. Same as above
5. Why when they get fatter and taller than the gap, the get less

Page 9

1. Lots of blue dots
2. The weight to height ratio title line makes it hard to understand without the explanation in the description
3. Not much
4. It stays pretty regular
5. The average line looks like a y-axis line

Page 10

1. There is some slope in this dataset
2. -
3. W/H ratio usually has more homeruns
4. Same as above
5. Same as previous page

Page 11

1. The brown slopes down now
2. What about high performers with batting average?
3. The orange stays close to the line
4. The performers stay pretty much in a certain range
5. You flipped the w/h to h/w for this graph