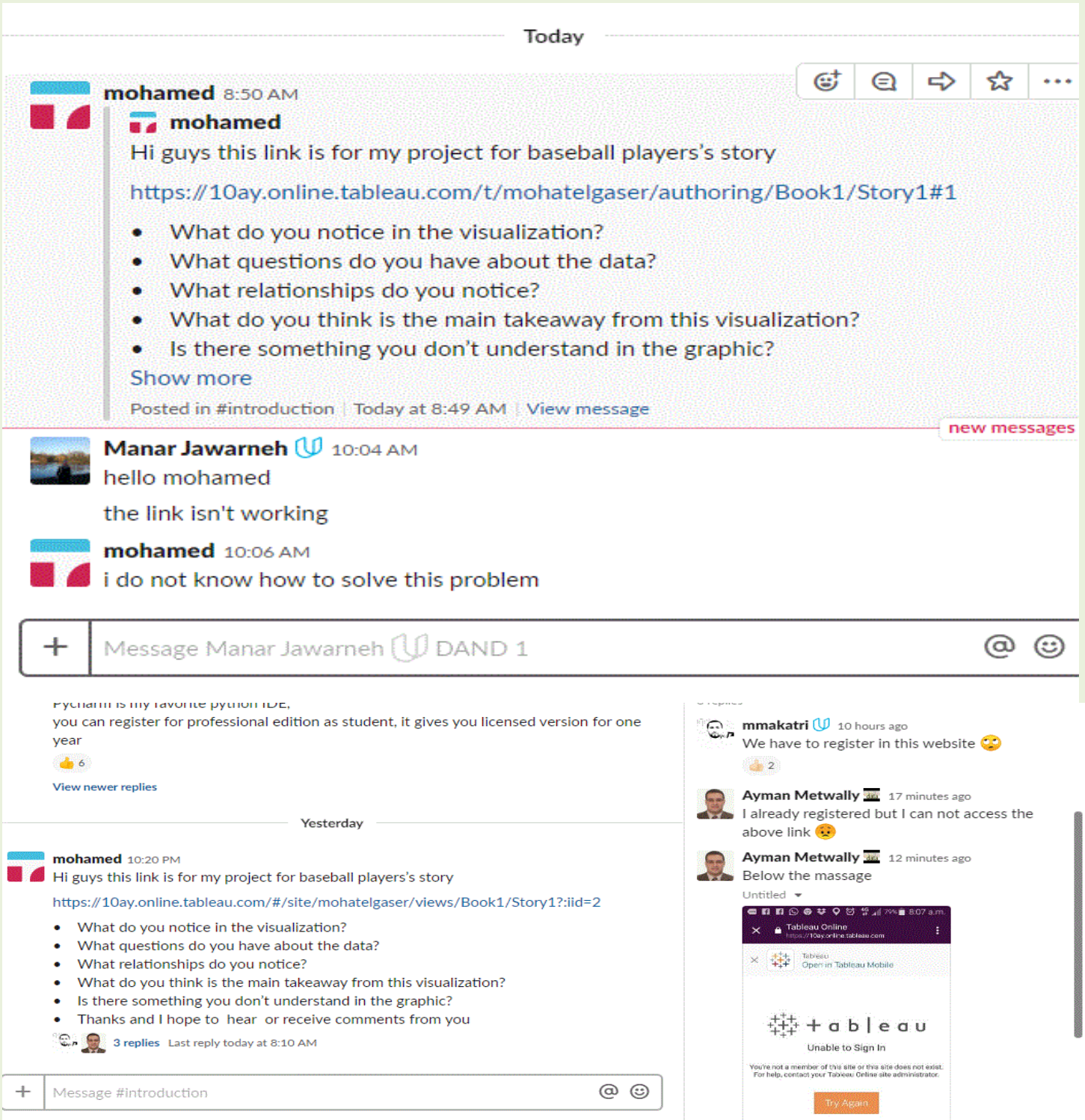
Baseball telling story
By Moh A T Elgaser
Date: Mar 22th, 2019

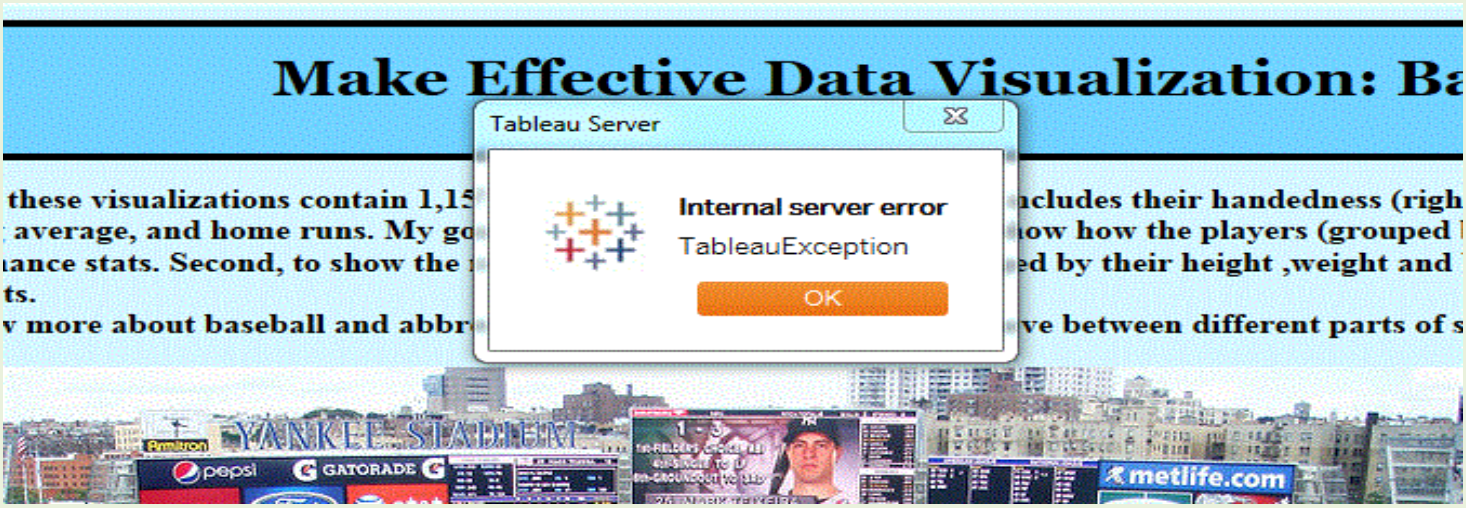
Summary:

1-The data-set for these visualizations contain 1,157 baseball players.
2- The player data includes their handedness (right, left, or both), height (in inches), weight (in pounds), batting average, and home runs.
3- My goal for these visualizations First, to show how the players (grouped by their handedness) compare across their average performance stats. Second, to show the relationships between players (grouped by their height ,weight and batting avg) compare across their average performance stats.
4-use links to know more about baseball and arrows to move between different parts of story

5- during this story you can find no one criteria you can depend on to expect player's performance but for player's height between 70: 80 inches ,weight between 160:230 pounds, batting average between 0.236:0.298 and from left handedness group are have average number of home runs almost 100% greater than other players in this dataset

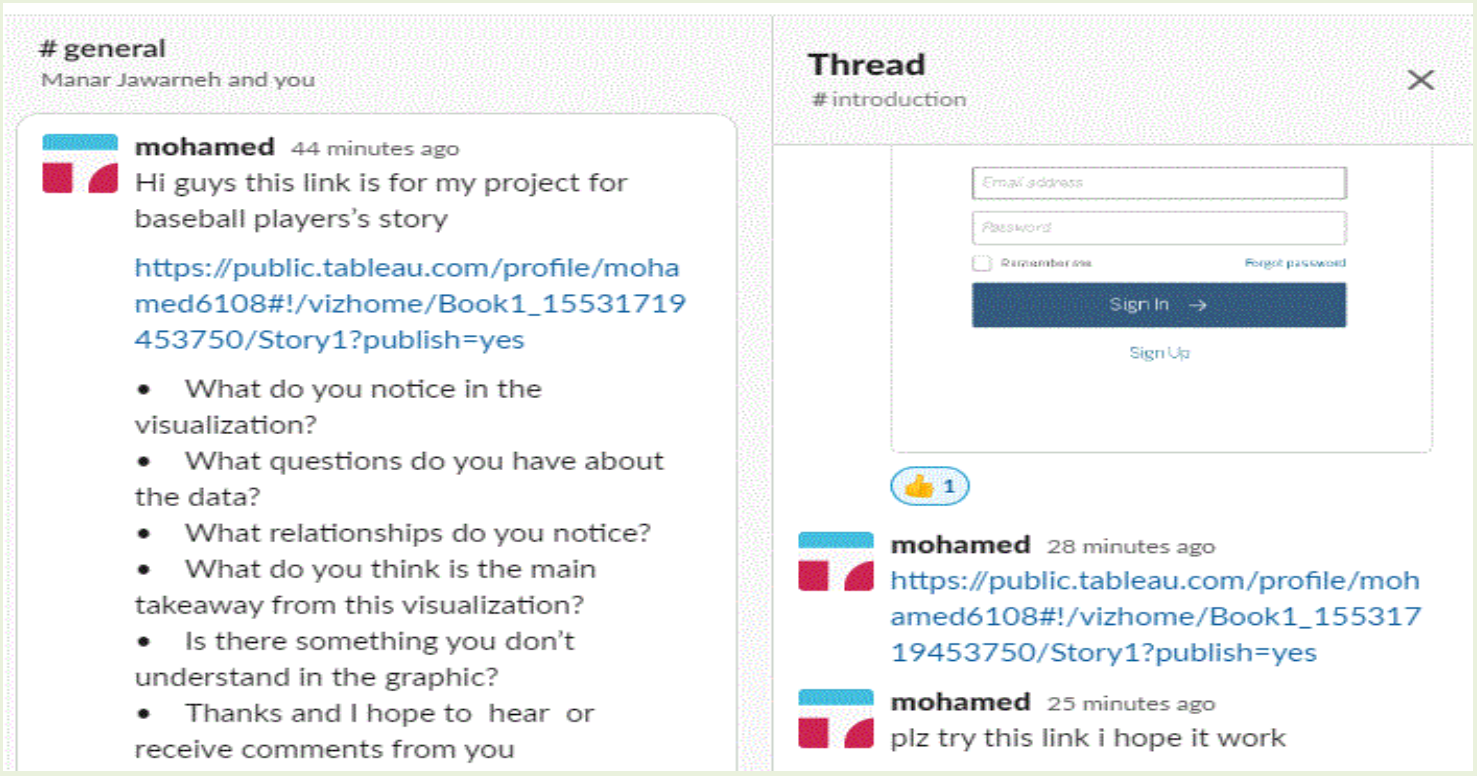
Feedback:


Today
mohamed 8:50 AM
mohamed
Hi guys this link is for my project for baseball players's story
https://10ay.online.tableau.com/t/mohatelgaser/authoring/Book1/Story1#1
What do you notice in the visualization?
What questions do you have about the data?
What relationships do you notice?
What do you think is the main takeaway from this visualization?
Is there something you don't understand in the graphic?
Show more
Posted in #introduction | Today at 8:49 AM | View message
new messages
Manar Jawarneh 10:04 AM
hello mohamed
the link isn't working
mohamed 10:06 AM
i do not know how to solve this problem
Message Manar Jawarneh DAND 1
you can register for professional edition as student, it gives you licensed version for one year
6
View newer replies
Yesterday
mohamed 10:20 PM
Hi guys this link is for my project for baseball players's story
https://10ay.online.tableau.com/#/site/mohatelgaser/views/Book1/Story1?:iid=2
What do you notice in the visualization?
What questions do you have about the data?
What relationships do you notice?
What do you think is the main takeaway from this visualization?
Is there something you don't understand in the graphic?
Thanks and I hope to hear or receive comments from you
3 replies Last reply today at 8:10 AM
Message #introduction
mmakatri 10 hours ago
We have to register in this website
2
Ayman Metwally 17 minutes ago
I already registered but I can not access the above link
Ayman Metwally 12 minutes ago
Below the massage
Untitled
Tableau Online
Open in Tableau Mobile
tableau
Unable to Sign In
You're not a member of this site or this site does not exist. For help, contact your Tableau Online site administrator.
Try Again



My problem because I have win 7 32 and tableau nolonger support this version and I looked for version that may solve my problem untill I found it Tableau 10.3 (32-bit) solve my problem

New Feedback:



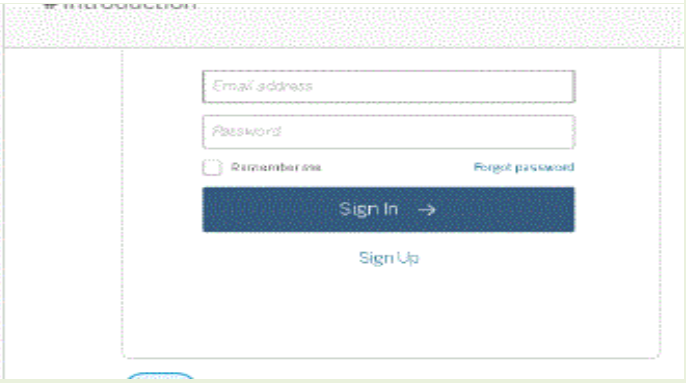
Manar Jawarneh 7:18 PM
in the first you should change hight to height in many sitesin the story

mohamed 7:19 PM
ok

Manar Jawarneh 7:20 PM
the color of the background in the headline is better to be a little bit darker, it is so shiny

Manar Jawarneh 4 min ago
@mohamed you should add more details in the headlines not just questions, you can add two to three insights from each dashboard like you're telling a story.

the study of players's height in diffrent handness group dashboard, it is good if you explain what the red circles mean



mohamed 7:32 PM
is it all

Thanks for your valuable feedback I will fix it

new messages

Manar Jawarneh 7:35 PM
yes, that is all

mohamed 7:36 PM
thanks again

new messages

Manar Jawarneh 7:36 PM
you're welcome Mohamed

remind in the report the version that you used

and what is the reason

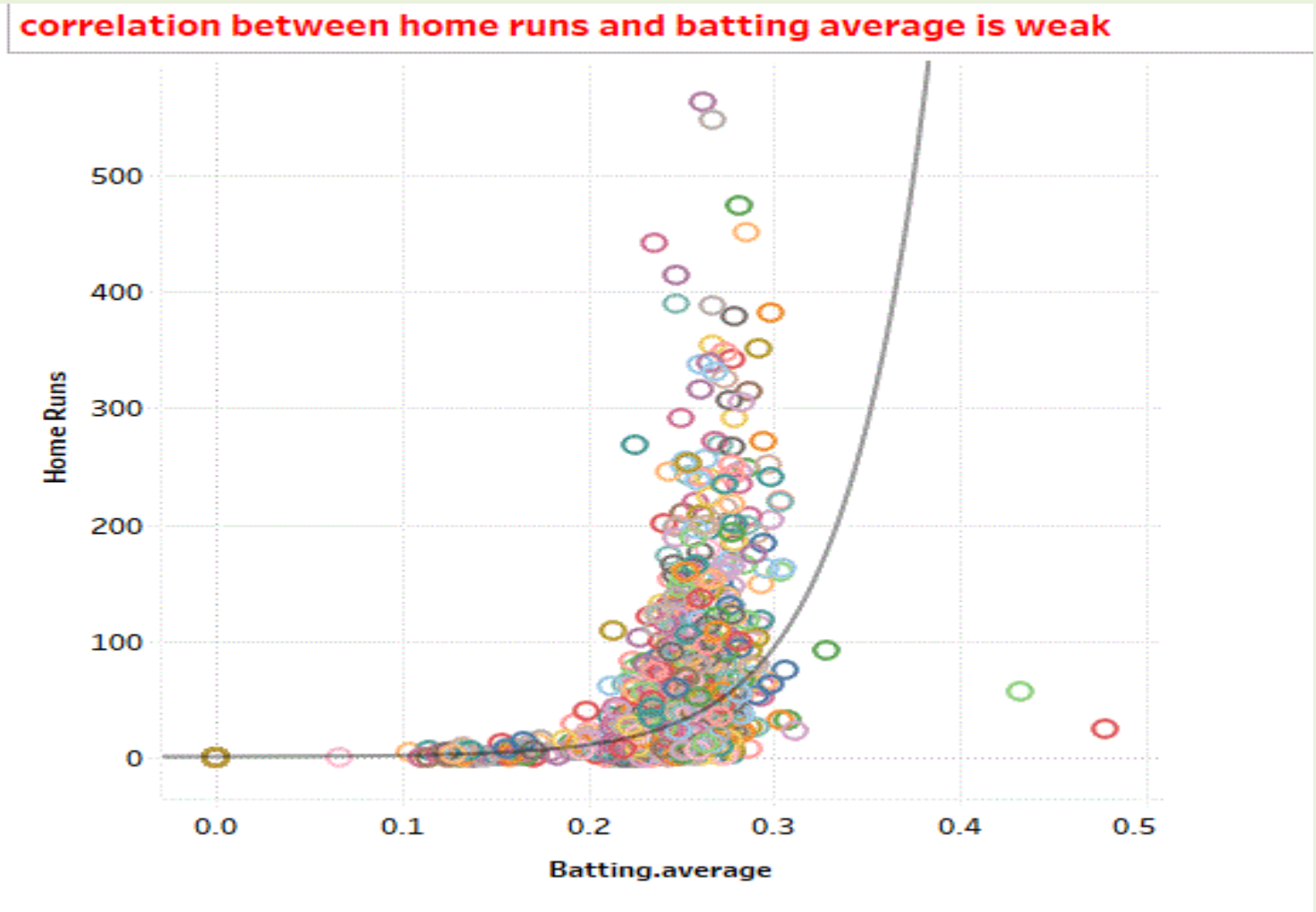
mohamed 7:52 PM
with pleasure

Design:

Scatter plots are used to show the relationship between two variables. Scatter plots are sometimes called correlation plots because they show how two variables are correlated. In the home runs and batting average example, the chart wasn't just a simple exponential of the home runs and batting average of a set of players , but it also visualized the relationship between the home runs and batting average. Notice that the relationship isn't perfect but the general trend is weak and we can see that the home runs and batting average are not correlated since it less than 0.3

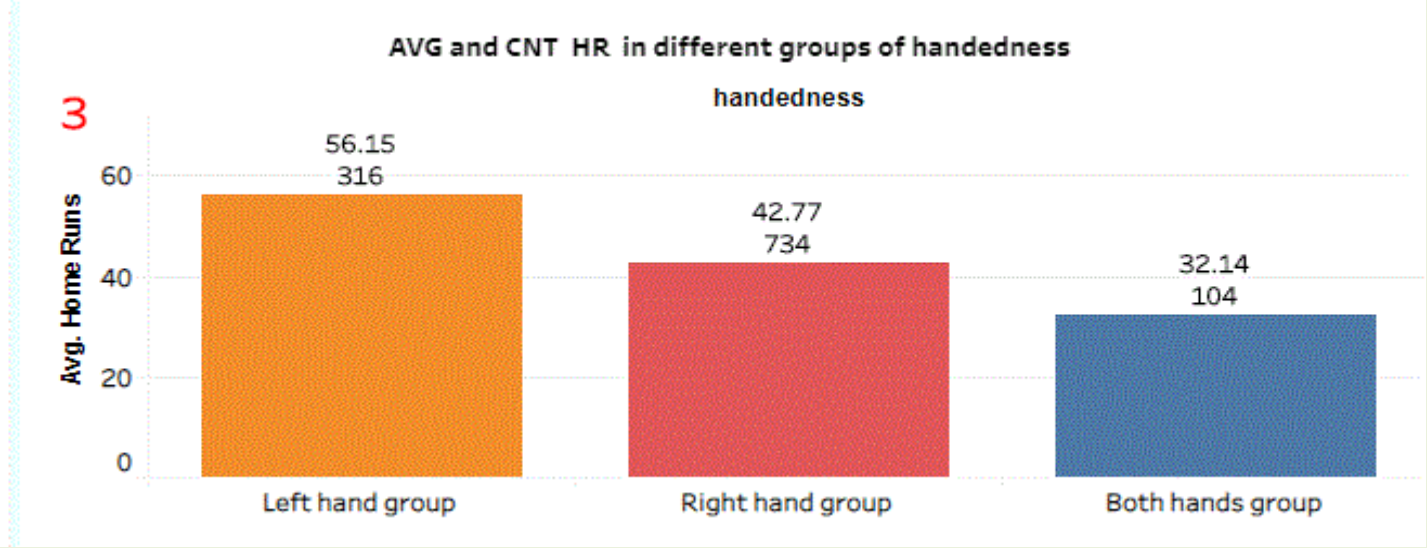
ln(Home Runs) = 22.2371*Batting.average + -2.13421
R-Squared: 0.277924
P-value: < 0.0001

I use exponential instead of linear because linear function is one that is changing at a ***constant*** rate as xx changes **and exponential** function is one that changes at a rate that's always ***proportional to the value of the function***.



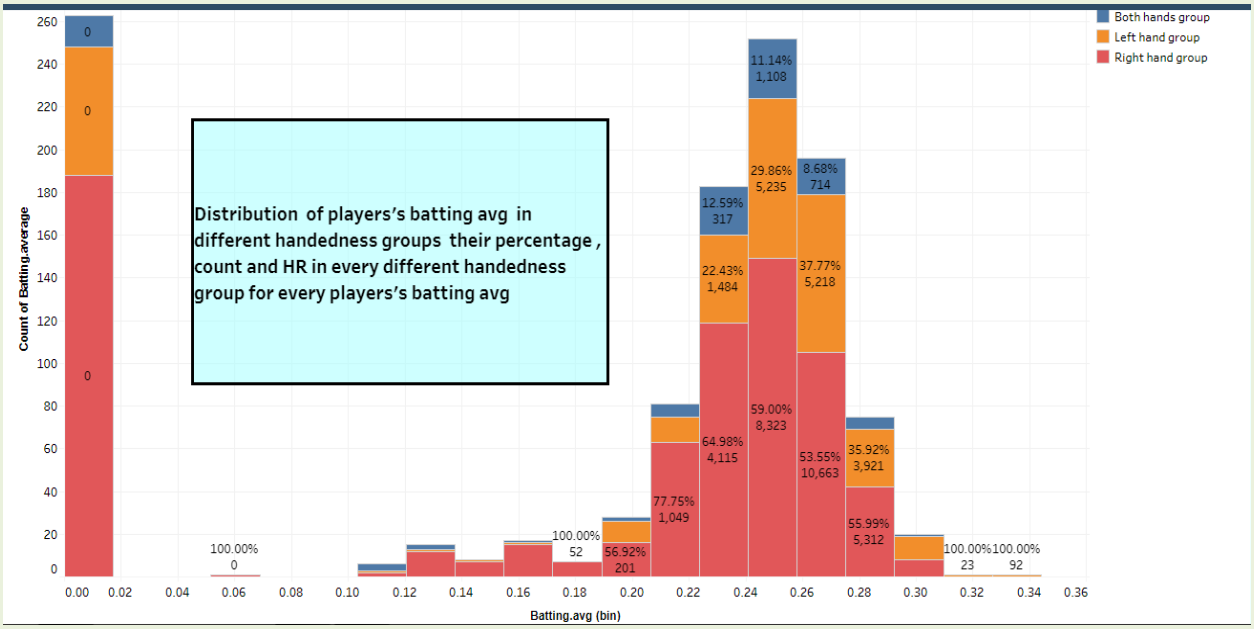
A histogram:

histoghram a chart that displays the shape of a distribution to groups values for a continuous measure into ranges, or bins. For example to group different handedness groups int to 3 groups as:



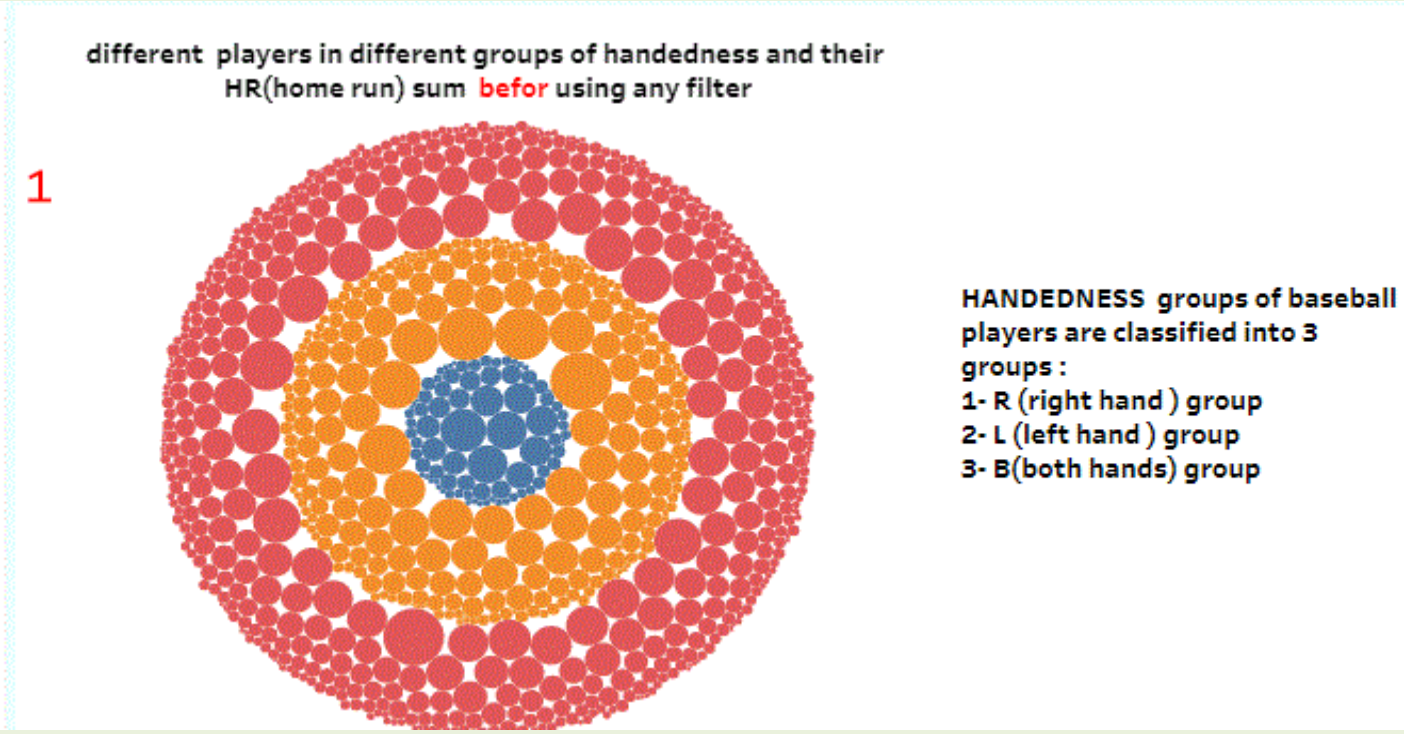
A histogram percent of total compute using cell:

For batting average as an example To see every count of players in different handedness group and % of different handedness groups per every batting average record in data set



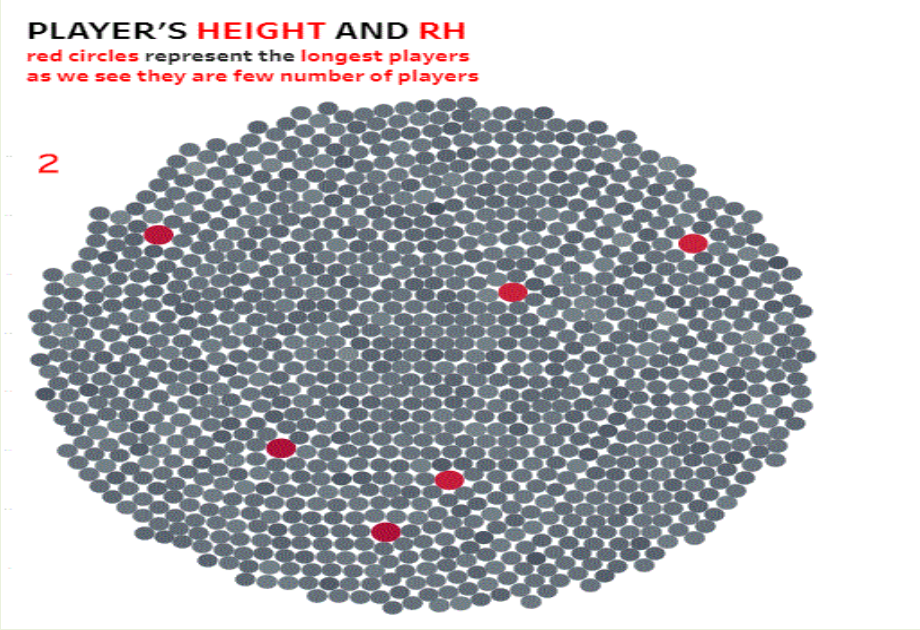
Bubbles:

here to represent all of data set grouped and in detail for every player



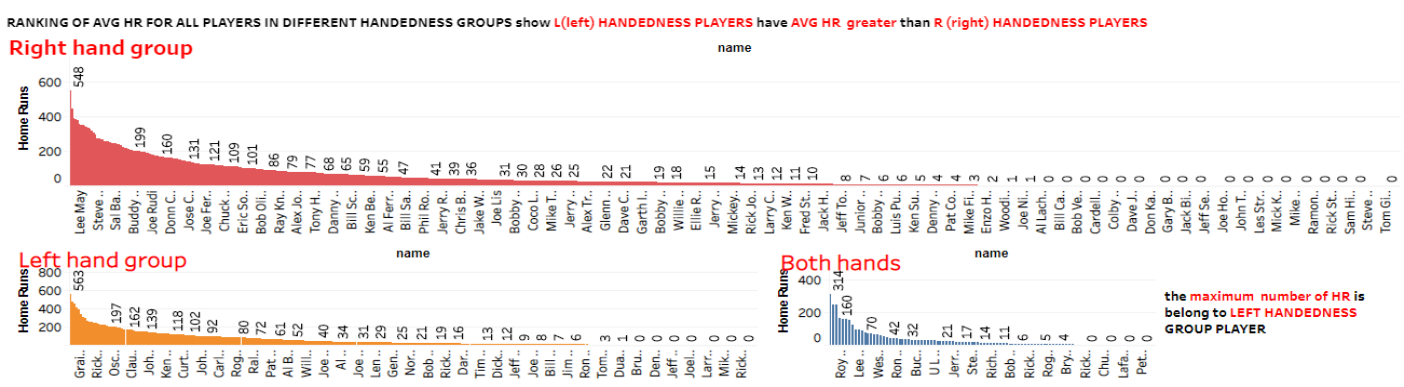
Black and red- revers full range bubble charts:

In order to highlight the players who have the characteristic criteria as hight ,weight, batting average or home runs



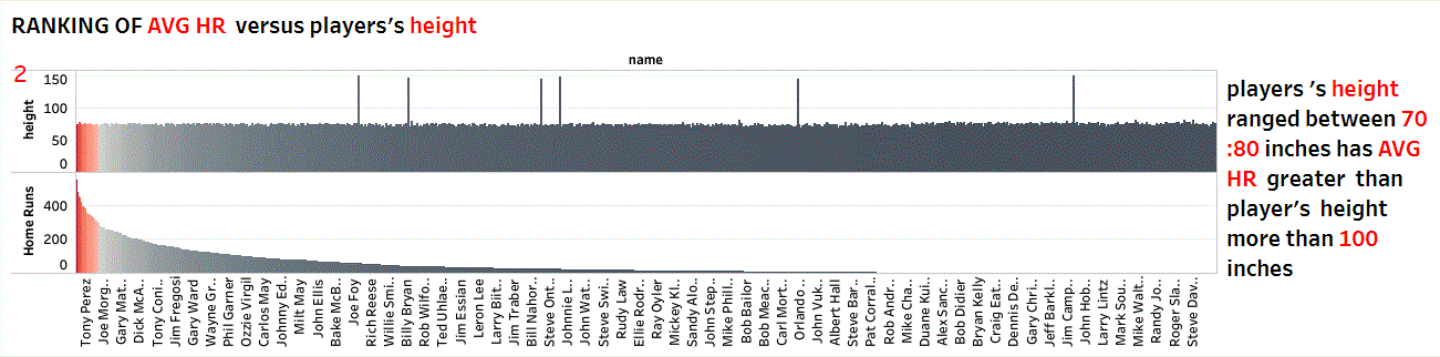
Bar charts:

are used to compare things between different groups and ranking of it is to track changes over single group . bar graphs are best when the changes are larger



Black and red - revers full range bar charts:

are used to highlight the players who have characteristic criteria as example here it is clear most of players's height are very close but their home runs are clearly vary so we need to build filter to study players's different criteria and this types of visualizations are very useful



Resources: list any sources you consulted to create your visualization:

Links to Tableau Public workbooks, published online:

project story before comments:

https://public.tableau.com/profile/mohamed6108#!/vizhome/Book1_15531719453750/Story1?publish=yes

project story after comments:

https://public.tableau.com/profile/mohamed6108#!/vizhome/finalbaseballtellingstoryproject/Story1?publish=yes

project story after reviewing:

https://public.tableau.com/profile/mohamed6108#!/vizhome/finalbaseballtellingstoryprojectafterreviewing/Story1?publish=yes

References:

To know more about BASEBALL

https://www.youtube.com/watch?v=vmyXZaMXuLg

links important to understand dataset:
HR : https://en.wikipedia.org/wiki/Home_run
batting AVG : https://en.wikipedia.org/wiki/Batting_average
tableau for win7 32 https://www.tableau.com/support/releases/desktop/10.3