Tableau Story - Baseball Data by Ashish

Introduction:

The dataset **Baseball Data** was used in this project with the purpose of evaluating the factors affecting the performance of baseball players. Tool used to create visualization is Tableau.
So I tried to investigate the dataset based on BMI of players. Does it affect players performance?

Important findings:
1.) There are more right-handed players in the dataset almost double the left handed players.
2.) Average Score and Home Run Score of left handed are higher than right handed player.

Design:

A new calculated field was introduced 'BMI' (Body Mass Index). It is a measure of body fat based on your weight in relation to your height. The formula used was ([Weight]/SQUARE([Height]))*703).

'Handedness' filter was used to filter Right, Left, Both handed players. Color encoding was used to signify the difference in handedness but color-blindness was looked upon minimise green-red colours.

Bar charts has been used in the project to understand the viewers easily based on the visuals.

Legends has been changed to there full names to understand quickly.

Colour mark has been used to identify based on handedness.

A linear trend line was added in sheet 'AverageScore VS HomeRunScore' to show R-squared and p-value.

Feedback:

1.) For the relationship between the home run score and average score, it may be useful to plot the trend line
• Plotted with linear trend line.

2.)In your first sheet, I think you could use some bar plots to show the difference between the 3 categories.
• Plotted with bar plots.

3.)Also, this is supposed to be an explanatory visualization. So, please, write the full names in the legends and graphs.
• Legends are specified with full names now.

Initial Version
https://public.tableau.com/profile/ashish.kumar1655#!/vizhome/Baseball_Initial_1/Story

Final Version
https://public.tableau.com/profile/ashish.kumar1655#!/vizhome/Baseball_Final_2_0/Story

Resources:
1. https://www.cdc.gov/nccdphp/dnpao/growthcharts/training/bmiage/page5_2.html
2. https://onlinehelp.tableau.com/current/pro/desktop/en-us/trendlines_add.html
3. https://onlinehelp.tableau.com/current/pro/desktop/enus/__publish_workbooks_tableaupublic.html