DAND_Project_Create_a_Tableau_Story

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URL link to my workbook
before feedback:
https://public.tableau.com/views/Project_536/before_fb?:embed=y&:display_count=yes
after feedback:
https://public.tableau.com/views/DANDProject_baseballdata/after_fb?:embed=y&:display_count=yes&publish=yes

1. Summary
   This baseball data is consisted of player's name, handedness, weight, height, hit average, and number of HR and there were two findings from them. First, when players are divided into three groups by handedness (both, left, right), it seems to suggest left-handed players' group hit more HR than other groups. Second, when I took closer look to left-handed group, those pulling up the average number of HR have weight and height in average. In conclusion, handedness might have influence but weight & height are less likely to affect to the number of HR per player.

2. Design
   I have excluded 266 players with 0 batting average in order to possibly include only the battlers and 6 more players heavier than 300 pounds to avoid to use input error data.
   My data visualization is made up with three major parts. FIrst part is the overview of the data, which is "number of players", "handedness" and "plot of weight and height". In the plot of weight, handedness is shown with colors so that you would be able to see the plotted weight and height by handedness as well. Second part is the comparison of players by handedness: "HR box plot". Last part is to dig deeper to know the things behind the best score. Titles of graphs are "distribution of HR" and "plot of avg and hr". You may filter out data with handedness by clicking the each handedness on "handedness" circle graph. Also, by hovering on the "distribution of HR", each group would be shown on the two graphs 'plot of weight and height" and 'plot of avg and hr"' as well so that you may find the relation between the number of HR and the weight and height..

3. Feedback
   I approached a bioinformatician friend of mine and received following suggestion to my visualization
   - box plot of log of HR would present the difference between each handedness better
   - BMI (weight/height/height*703) might be the other option to use to see the relationship between a number of HR and a physique.
   I have tried both suggestion and decided to make visualization with log HR, but BMI data did not show that much correlation with a number of HR.

4. Resources
   [1] Baseball Almanac. Dave Roberts Stats. Retrieved from http://www.baseball-almanac.com/players/player.php?p=roberda07.