Differences among the performance of the baseball players

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Links to visualizations:

Links to the first and final version of the story *Differences among the performance of the baseball players*.

First story visualization: https://public.tableau.com/profile/alen.mrsic/story_v1
Final story visualization: https://public.tableau.com/profile/alen.mrsic/story_final

Summary

Through my visualizations I wanted to find out does the measures players hight, weight or handedness affect on a players performance, i.e. batting average and numbers of scored home runs. I created different graphs to figure it out how variables affect each other. What I found out that higher score (home runs and batting average) will make a player whose height is between 72 and 74 inches and weight between 179 to 196 pounds.

Design

In first story visualization (story_v1) I created five different graphs. The most graphs have default values, colors were automatically chosen. The idea was to see how variables height and weight effect on a number of scored home runs. Also, I want to check if the handedness plays the main role on player performance (scored home runs and batting average).

After the feedback, I pay more attention to details like title names, filters, colors and I started with that. Then I merged logically the same graphs to one and grouped them by handedness, to be easier to read and understand does the handedness effect on players performance. I put some additional information (annotate marks) to the best-scored value from the graph. A new thing in a final story was calculated field "Height / Weight ratio". I divided height with weight and created numeric bin which helps me to easier compare and understand how those effect on home runs and batting average score. On the dashboard, I grouped all graphs by handedness to be easier to read and understand the data.

Feedback

Feedback received from the first sketch (story_v1) :

- **Feedback (F)**: **The name of the story title is "story_v1", what that means? There are strange title names, no naming convention on the axis, what HR means?**
  Action (A): I changed the name of story title to *Differences among the performance of the baseball players* and also added title for each graph. Axis names are now standardized and they explain measure that is present in graphs.

- **F: Why are the colors different on some graphs (specialy green), are they represent something special?**
  A: There's no reason why the colors are different (green or blue), so I changed all colors to form the same pallet. I grouped by handedness by colors to be easily identified which hand players use for batting.

- F: There are three similar graphs for player handedness, can you transform that?
  A: I merged plots that are into one. Because all three variables: home runs, batting average, and number of records are grouped by handedness, so it's logical to have those three graphs merged together.

- F: Can you add a filter that will dynamically change graphs on the story?
  A: On the final story, I added multiple values drop-down filter grouped by handedness that will automatically change graphs and data (depends on selected values).