Introduction

For this project, I create a data visualization using Tableau that tells a story or highlights trends or patterns in a data set. This work is a reflection of the theory and practice of data visualization, such as visual encodings, design principles, and effective communication.

Summary

In this project, I explored and analyzed the relationships between variables, such as, homeruns, weight, height, batting average, and handedness. The dataset contain 1,157 baseball players. The dataset was provided by Udacity.

Design

I wanted to explore how weight and height influences the homeruns and batting average by plotting it distributions.

- Player counts is represented by pie chart colored by handedness. The plot show us the number of records in the dataset.
- Handedness vs Homeruns is represented by bar chart colored by the average. The plot show us the count of homeruns by handedness.
- Average vs Homeruns is represented by bar chart colored by average. The plot show us that players with 0.20 or 0.25 batting

average have the majority of homeruns.

- Height vs Average and Weight vs Average are represented in a bar chart in a Tableau Dashboard. By examining the plot, an excellent hitter should measure 72 inch and weight 184 lb.
- Height vs Homeruns and Weight vs Homeruns are represented in a bar chart in a Tableau Dashboard. By examining the plot, an excellent hitter should measure 72 inch and weight 184 lb.
- Weight and Height is represented in bar chart with trend line colored by homeruns count and average. It show us how weight and height affect overall performance of player. When weight and height increases performance decreaces.
- In order to explorer players in our dataset, an scoring level was created to categorized them represented by a scatter plot colored by the scoring categories. Filters were applied to make it interactive. We can find out who the are excellent, very good, good, fair players in our dataset.

Feedback

Resources