



Story:

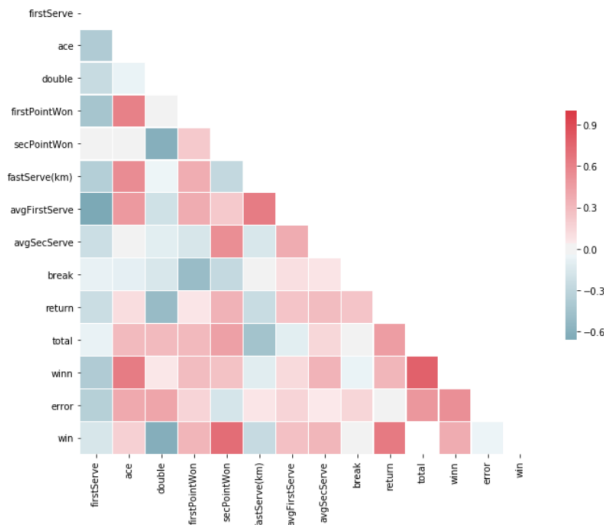
The plot depicts certain important factors to decide the winner of the game. Factors sec point won, double, return found to be crucial for winner of the game. We can observe the trend that for every winner the value for Sec Points Won, return is higher while the value of the double is lower. Novak Djokovic won 6 out 10 finals and from visualization, we can clearly see for every match he played his sec point won score was substantially higher than the opponents. The opposite can be seen for Andy Murray for every match he played his sec point won score was substantially lesser than the opponents.

Visualization:

In the scatter plot, the color represents the winner or runner-up of the tournament for the respective year. The size represents the return and the axis represents sec point won and number of double faults respectively.

Design Justification:

The goal of the task is to find common trends from every year's winner so dividing the plots into groups of the year is a good choice. The data is transformed such that it represents player statistics and result at the end. The attributes sec point won, double, return was found to have a large effect on the result as shown in the correlation plot below (Plot 1). The color of line connecting players shows whether the slope is positive or negative. The color makes easy for the user to distinguish which player won the tournament for the respective year and the effect of above attributes.



Plot 1

Why and how do you think your design effectively deliver the story?

The plot is divided by year, so it becomes easy for a user to compare the performance of each player based on the attributes for the respective year. We can observe positive slop for every line connecting the winner and runner-up which shows a common trend in winner pattern. The plot shows playing style of the player, for every match w.r.t attributes sec point won, double, return and respective result.