THE TOP TWO – PERFORMANCE ANALYSIS

Novak Djokovic v/s Roger Federer

The above Interactive Visualization is about the performance analysis of the top two players. I wanted to visualize the performance of the two players and so I considered the Service variables of both the players. From my detailed analysis of the given dataset, I found out that the best way to visualize the performance would be to use some kind of chart and the chart will be the best option to visualize the huge dataset. I used the Sankey diagram to visualize my analyzed data. In order to analyze the performance, I considered all the winning matches of both the players and found out the year wise average of each variable. By using this analyzed data and plotting it on the Sankey chart, we can easily analyze the year wise performance of both the players. The visualization also has interactivity and hence one can easily distinguish the performance of each variable.

From my analysis, I found out a very dominating factor which stood out while analyzing the performance of the players. I found out that returns % played a very critical role in determining the consequence of that particular year’s tournament. I found out that there was a huge difference in the returns % among the years which he won and the years he lost. From this I found out that returns% played a very critical role in determining whether Novak will win the championship or not.I have used D3 in the text part of the gauge chart. Whenever the particular function is called, I use d3 to change the text.

Visualization

I used two Sankey charts for visualizing the performance of both the players. Adding Interactivity to the charts made the chart more efficient and one could easily find out the year wise performance of each player mapped to the respective service variable. Hovering over a particular node and clicking on it ensures that the node is distinguished and analyzing becomes simple and efficient. In order to show out the dominant factor which was found out from my analysis, I used Gauge Chart to show the return% of the matches lost, average winning and the championship year respectively. From this chart one could easily find out the dominant factor which made Novak emerge VICTORIOUS.