Assignment #4 Bonus - Assignment 1 Visualization Critique

I. Introduction

This assignment is to design a static visualization to convey a story from the provided data set.

II. Dataset

Data used to analyze is the 10 years Professional Tennis Australian Open Championship final matches statistics

III. Audience

The readers of this bar chart are tennis fans, tennis players, tennis coaches and tennis managers, experts in Tennis as well, etc.

IV. Critique

Strength

- Student wants to analyze the effect of return and 2nd serve point won in tennis match so scatter plot is a suitable choice.
- The background color, the color of points in the chart are a visually pleasing.
- The chart show necessary information in the chart and readers can see the essential correlation among return, 2nd serve point won and possibility of victory in tennis.

Weak

- Although blue and red – represent winner and loser – in the chart are comfortable to the eye, it becomes more difficult for the readers to read when increasing the number of points in the chart.
- It is quite much information in the chart, especially year and images information, and reader is quite difficult to differentiate winner and loser according to stats between return and 2nd serve point won

V. Improvement

- The student applies D3 and add some interactive functionality in the chart (horizontal and vertical dashed lines that appear, two points – representing two players in the match - are intensified, image of player appears when a mouseover event gets triggered on the data points)
- Student replaces blue and red color of circle points with yellow and blue – represent winner and loser. Yellow and blue are also complementary colors, which makes reader more comfortable to distinguish winner and loser.
- Some useful information is added but does not overload the chart (match result, year).