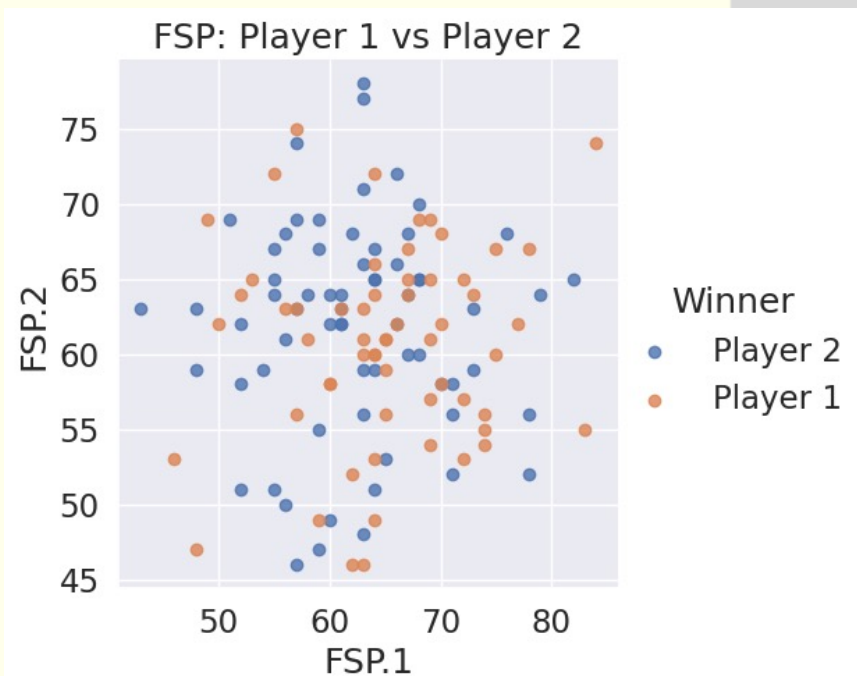


## Introduction

What statistics, if any, correlate with the outcome of a tennis match?

## Hypothesis

The two statistics most likely to correlate to the outcome are first serve percentage and unforced errors.



## Data

- Cleaned to only include matches with all of the data being analyzed.
- Statistics based on consultation with local Division III tennis coaches.
- Not normalized
  - Statistics given as percentage do not need to be normalized.
  - Each data point represents a match, comparing one player to another.

## Results

- FSP, UFE, and SSP do not seem to have an effect on the outcome.
- The number of points won off of a second serve look closer to a correlation.

## Conclusions

- It is likely that one statistic does not greatly affect the outcome of a match.
- Intangible factors, such as strategy and mentality, may have more of an effect.

