

Data for performance of players classified as clay courters and grass courters on Hard courts. The histogram and boxplot on the right depict the results from when I calculated how the players performed in Grand Slams and Masters events.

- Alpha value of 0.05 for tests below
- Hypothesis testing on win percentage:
 - Null: difference in win percentage is 0
 - Alternative: mean of Grass players is higher
 - Sum wins of each player, then use proportions
 - P-value: 0.0025
 - Sample size over 2000
 - Use average of each player assume equal and unknown variances
 - P-value: 0.1337
 - Sample size = 30
- Hypothesis testing on number of semifinals:
 - Null: difference is 0
 - Alternative: mean of Grass is higher
 - P-value: 0.0137

