

CSU Summer Research

Working with the CSU Football Data Team

By Chandler Grote

Part 1: Recruitment Data Visualization

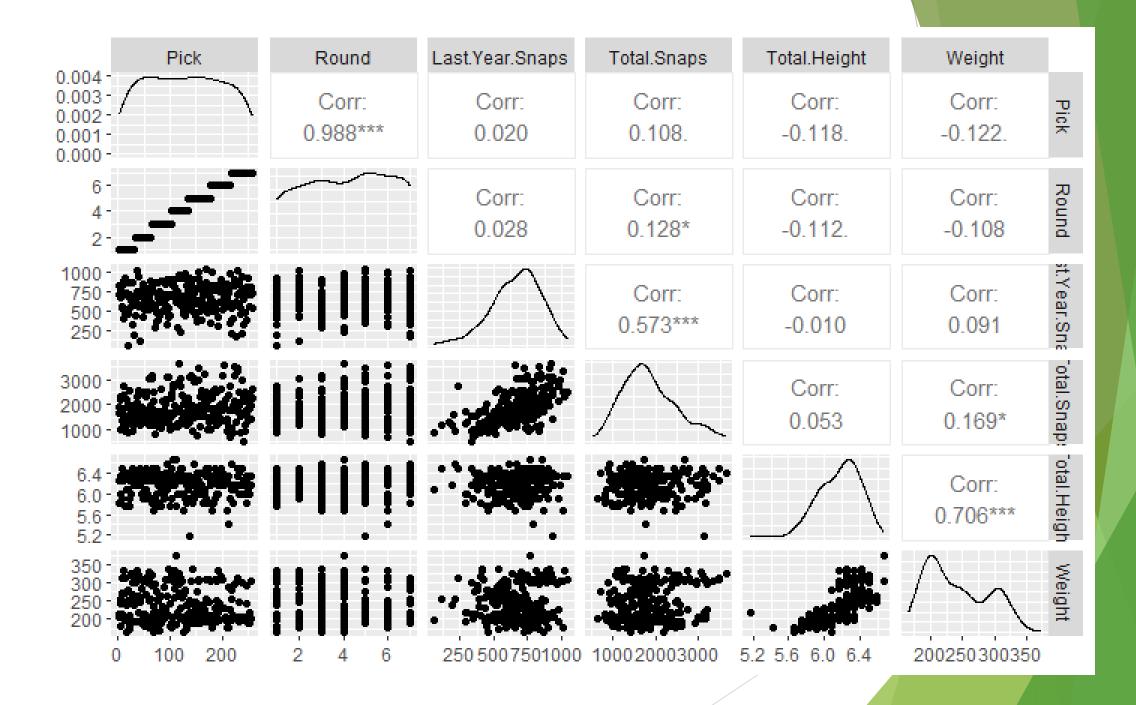
https://cgrote.shinyapps.io/RecruitmentVisualizer/_w_b384ba3a/

Part 2: Draft Data Exploration

- Question: Are there any significant connections between Height, Weight, and/or Taken Snaps and Draft Position/Round?
- Using provided and sourced data from ESPN

About the Data

- Position (Only Offensive and Defensive players)
- Player Name
- Overall Pick (1-259)
- Round Picked In (1-7)
- ► Height (ft.)
- Weight (lbs)
- NCAA Career Snaps Taken
- Previous Year Snaps Taken
- Weight Category by Position (Small, Medium, Large)



"Small" Players (CB, WR, S)

Pick	Round	Last.Year.Snaps	Total.Snaps	Total.Height	Weight	
0.004 - 0.003 - 0.002 - 0.001 - 0.000 -	Corr: 0.988***	Corr: 0.064	Corr: -0.066	Corr: 0.120	Corr: 0.223*	Pick
6 - 4 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	\sim	Corr: 0.069	Corr: -0.042	Corr: 0.120	Corr: 0.244*	Round

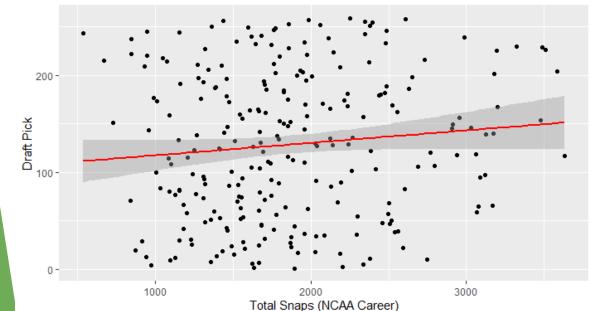
"Medium" Players (QB, RB, LB, OLB)

Pick	Round	Last.Year.Snaps	Total.Snaps	Total.Height	Weight	
0.005 - 0.004 - 0.003 - 0.002 - 0.001 - 0.000 -	Corr: 0.988***	Corr: -0.021	Corr: 0.154	Corr: -0.141	Corr: -0.207	Pick
6 - 4 - 2	\checkmark	Corr: -0.002	Corr: 0.171	Corr: -0.142	Corr: -0.186	Round

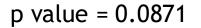
"Large" Players (T, DE, DT, G, C, TE)

Pick	Round	Last.Year.Snaps	Total.Snaps	Total.Height	Weight	
0.004 - 0.003 - 0.002 - 0.001 - 0.000 -	Corr: 0.989***	Corr: 0.003	Corr: 0.230*	Corr: -0.055	Corr: 0.053	Pick
6- 4- 2-	\sim	Corr: 0.010	Corr: 0.247*	Corr: -0.049	Corr: 0.065	Round

SLR Models with Total Snaps



NFL Overall Draft Pick predicted by Total College Snaps 2023 NFL Draft

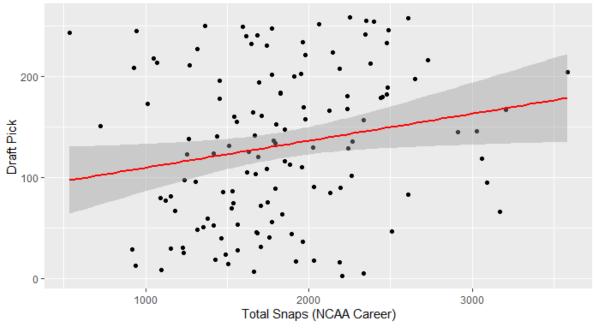


NFL Draft Round predicted by Total College Snaps 2023 NFL Draft Draft Round 2-3000 1000 2000 Total Snaps (NCAA Career)

p value = 0.0425

Only using Defensive Players

NFL Overall Draft Pick predicted by Total College Snaps 2023 NFL Draft of Defensive Players



6 -Draft Round ٠ . . 2-3000 1000 2000 Total Snaps (NCAA Career)

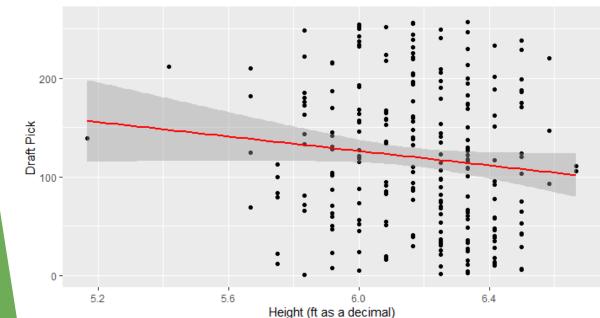
NFL Draft Round predicted by Total College Snaps

2023 NFL Draft of Defensive Players

p value = 0.027

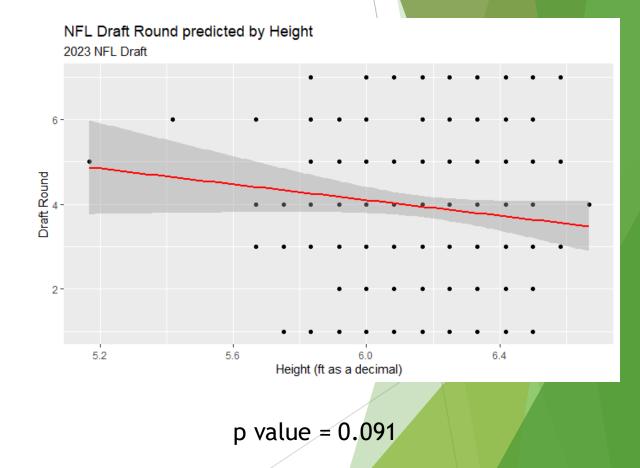
p value = 0.0194

SLR Models with Height

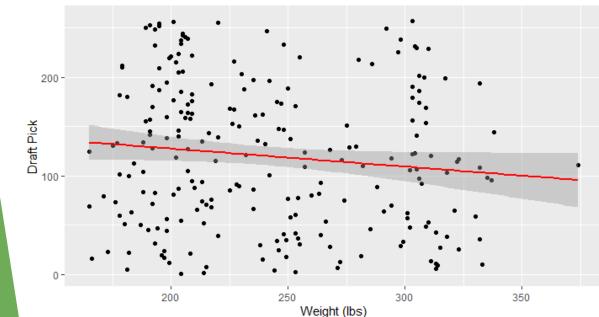


NFL Overall Draft Pick predicted by Height 2023 NFL Draft

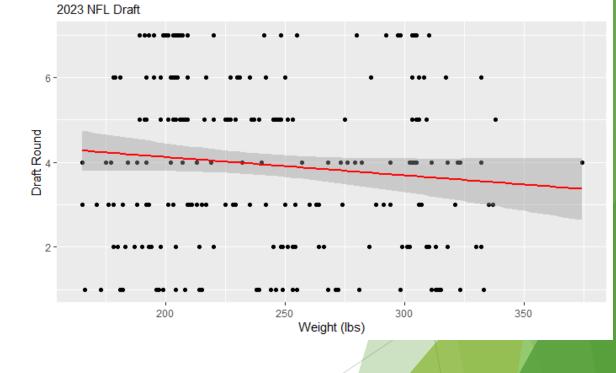
p value = 0.074



SLR Models with Weight



NFL Overall Draft Pick predicted by Weight 2023 NFL Draft



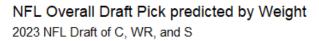
NFL Draft Round predicted by Weight

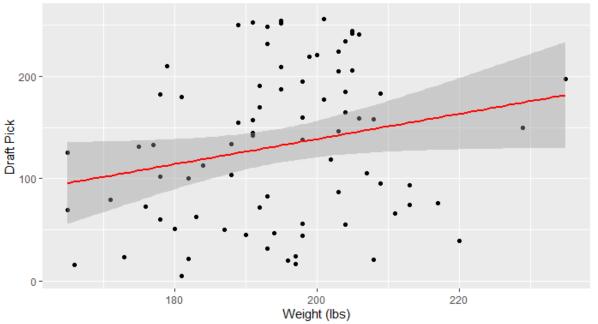
p value = 0.065

p value = 0.102



SLR Models with Weight Category "Small"





p value = 0.0478

NFL Draft Round predicted by Weight

2023 NFL Draft of C, WR, and S

p value = 0.0303

Conclusions

- Data showed some promise
 - ► Height and Weight were correlated with draft Round/Pick
 - Breaking out by weight categories showed deviations in overall data
 - Defense vs Offense showed different results
 - Total Snaps showed opposite relationship from expected

- More Data to extend the study (2022 and 2024 Draft years)
- Compare with data of those who were not in the draft