



# CSU Summer Research

Working with the CSU Football Data Team

By Chandler Grote

# Part 1: Recruitment Data Visualization

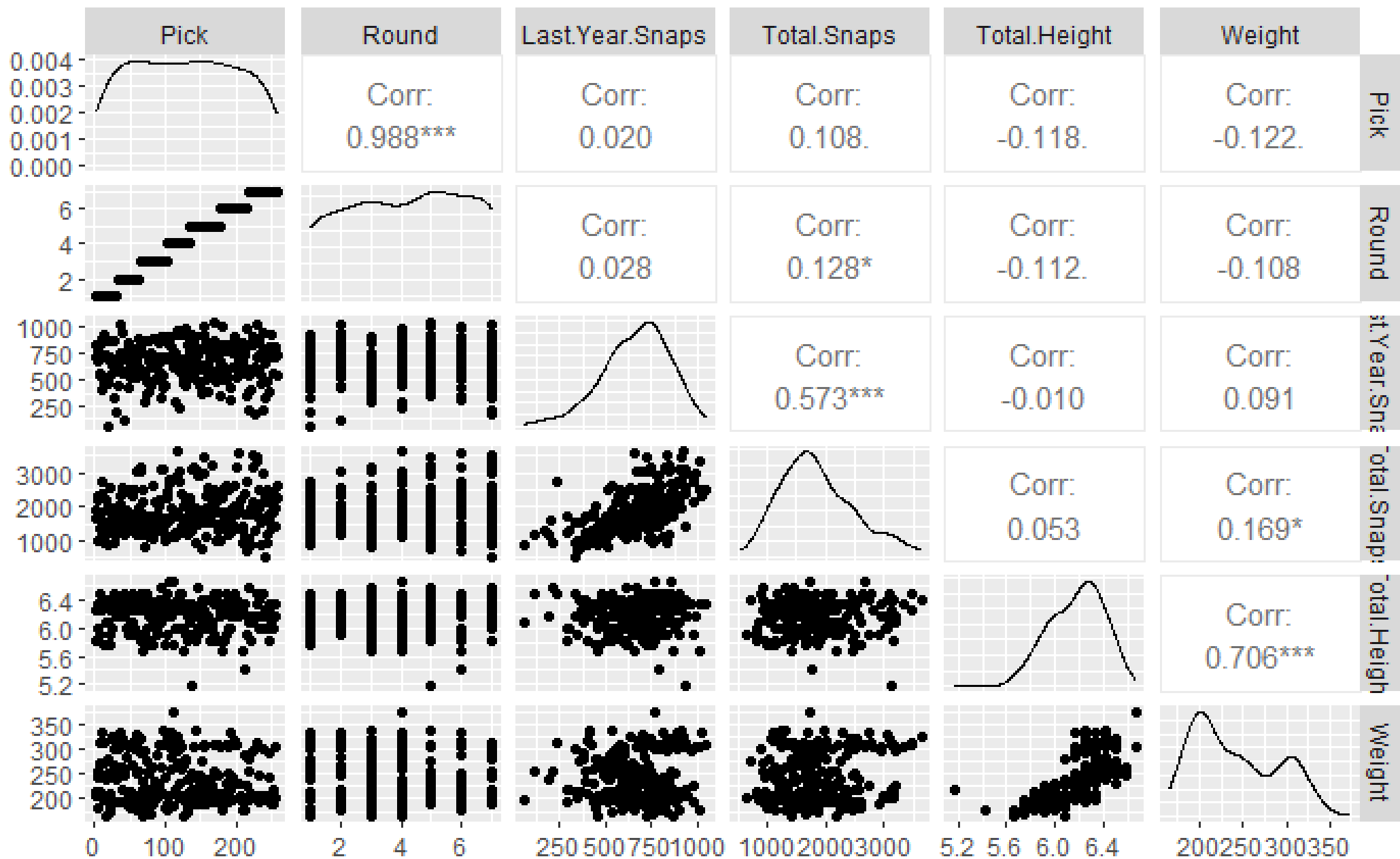
- ▶ [https://cgrote.shinyapps.io/RecruitmentVisualizer/\\_w\\_b384ba3a/](https://cgrote.shinyapps.io/RecruitmentVisualizer/_w_b384ba3a/)

# Part 2: Draft Data Exploration

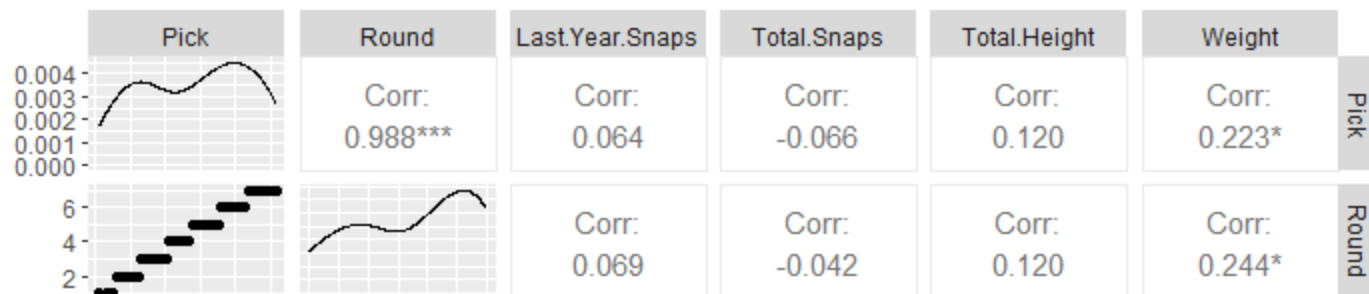
- ▶ Question: Are there any significant connections between Height, Weight, and/or Taken Snaps and Draft Position/Round?
- ▶ Using provided and sourced data from ESPN

# About the Data

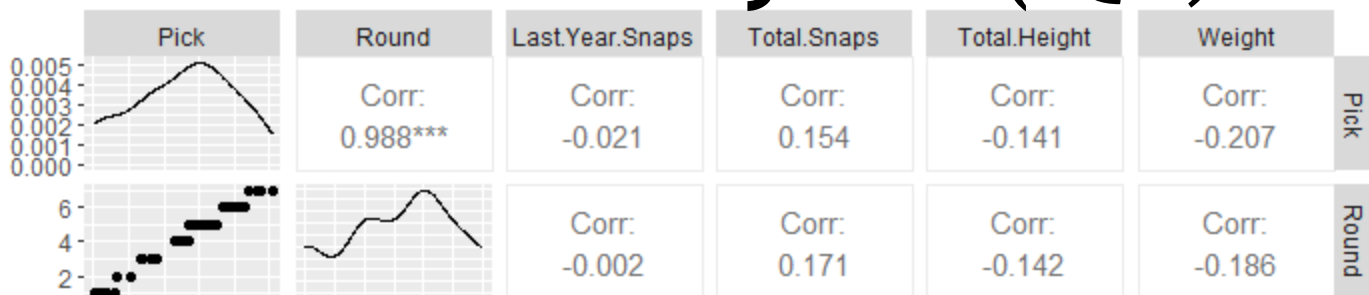
- ▶ Position (Only Offensive and Defensive players)
- ▶ Player Name
- ▶ Overall Pick (1-259)
- ▶ Round Picked In (1-7)
- ▶ Height (ft.)
- ▶ Weight (lbs)
- ▶ NCAA Career Snaps Taken
- ▶ Previous Year Snaps Taken
- ▶ Weight Category by Position (Small, Medium, Large)



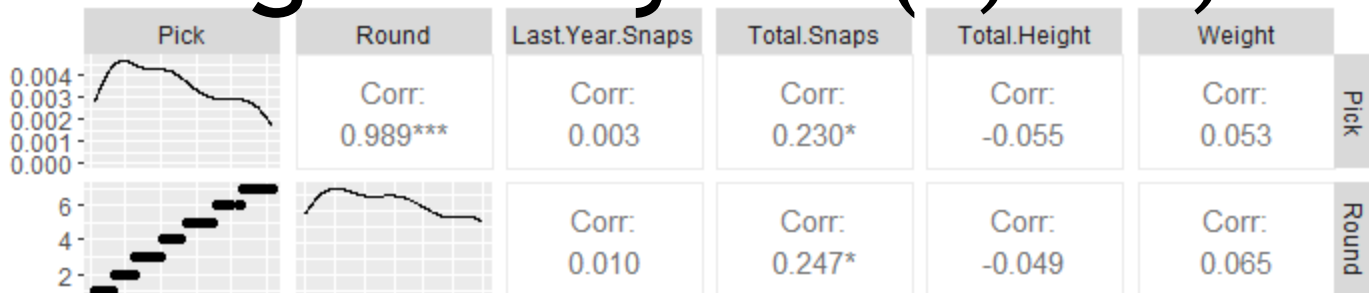
# “Small” Players (CB, WR, S)



# “Medium” Players (QB, RB, LB, OLB)

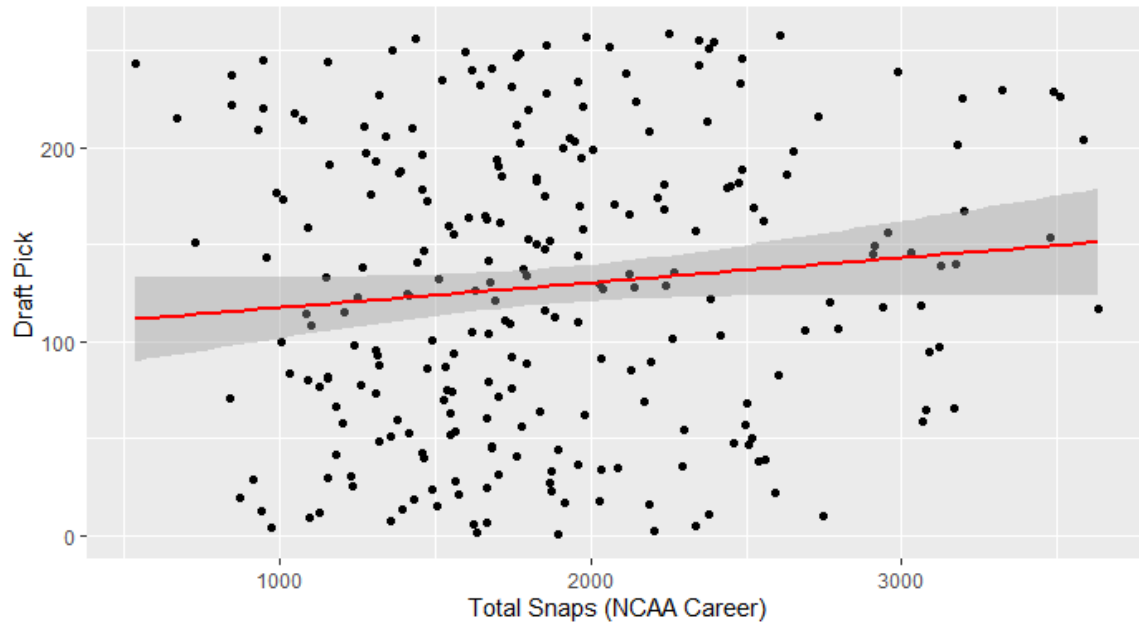


# “Large” Players (T, DE, DT, G, C, TE)



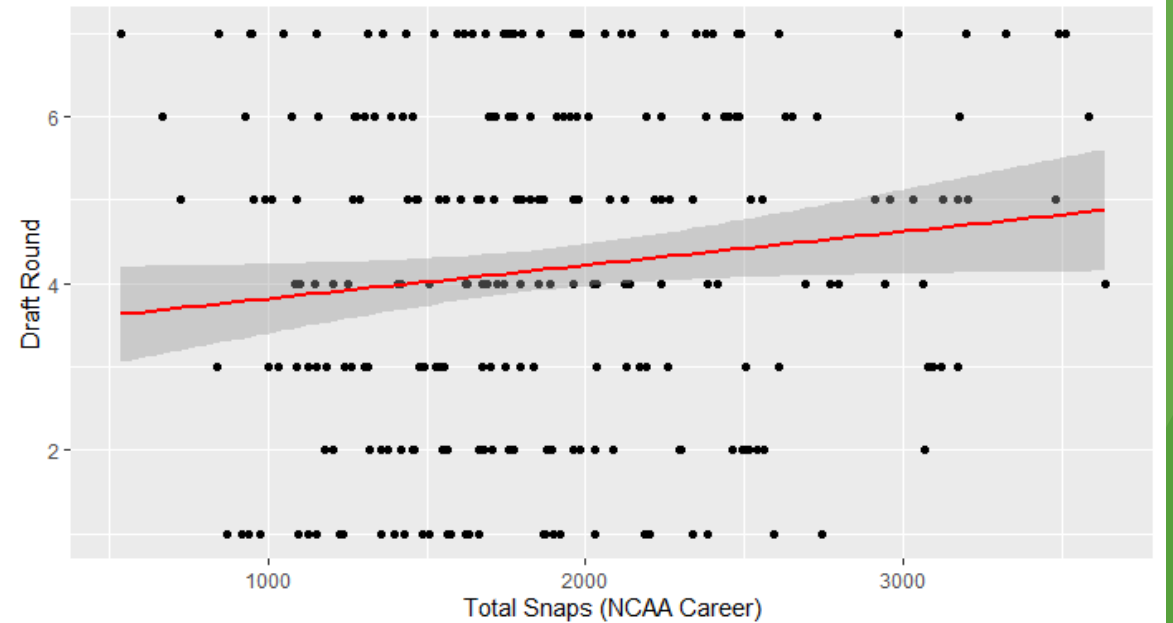
# SLR Models with Total Snaps

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



p value = 0.0871

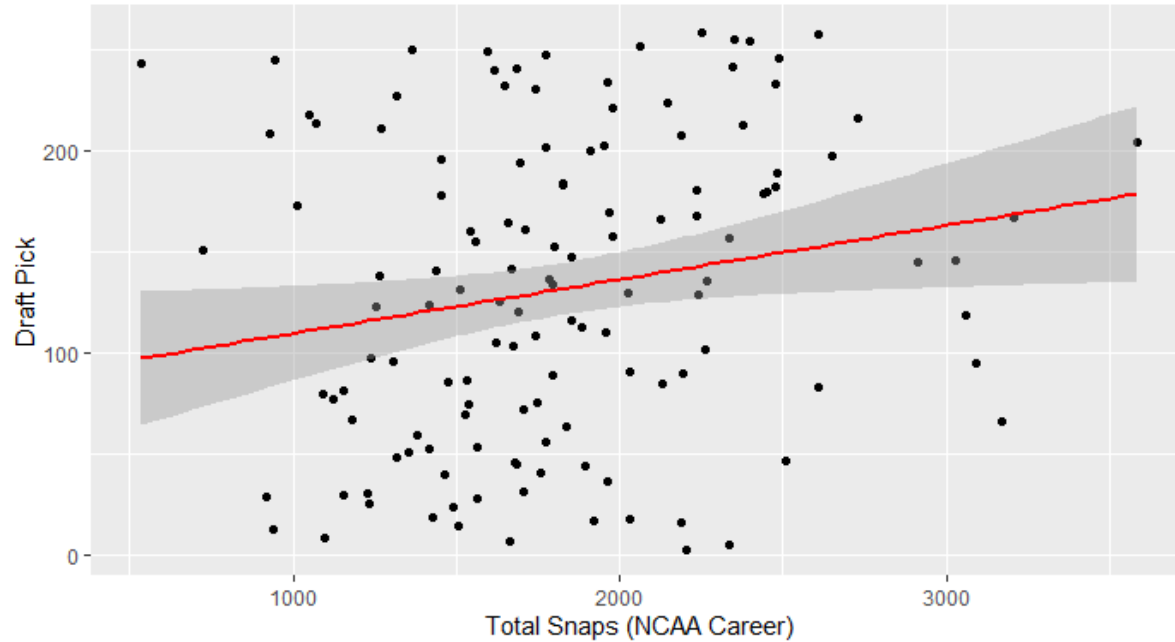
NFL Draft Round predicted by Total College Snaps  
2023 NFL Draft



p value = 0.0425

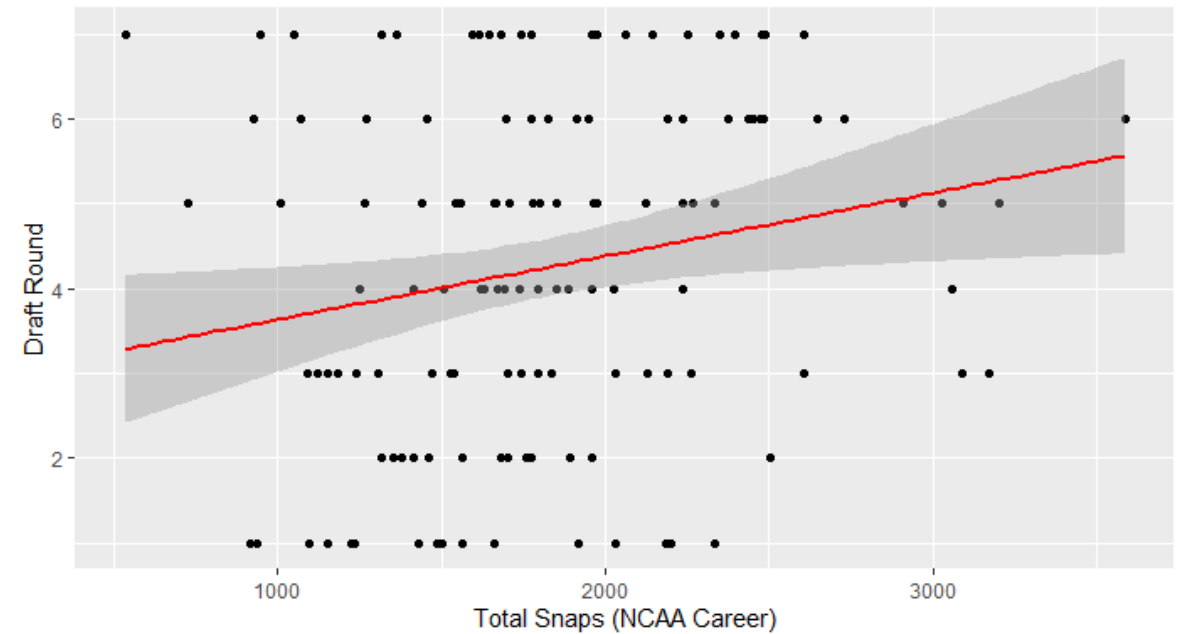
# Only using Defensive Players

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



p value = 0.027

NFL Draft Round predicted by Total College Snaps  
2023 NFL Draft of Defensive Players

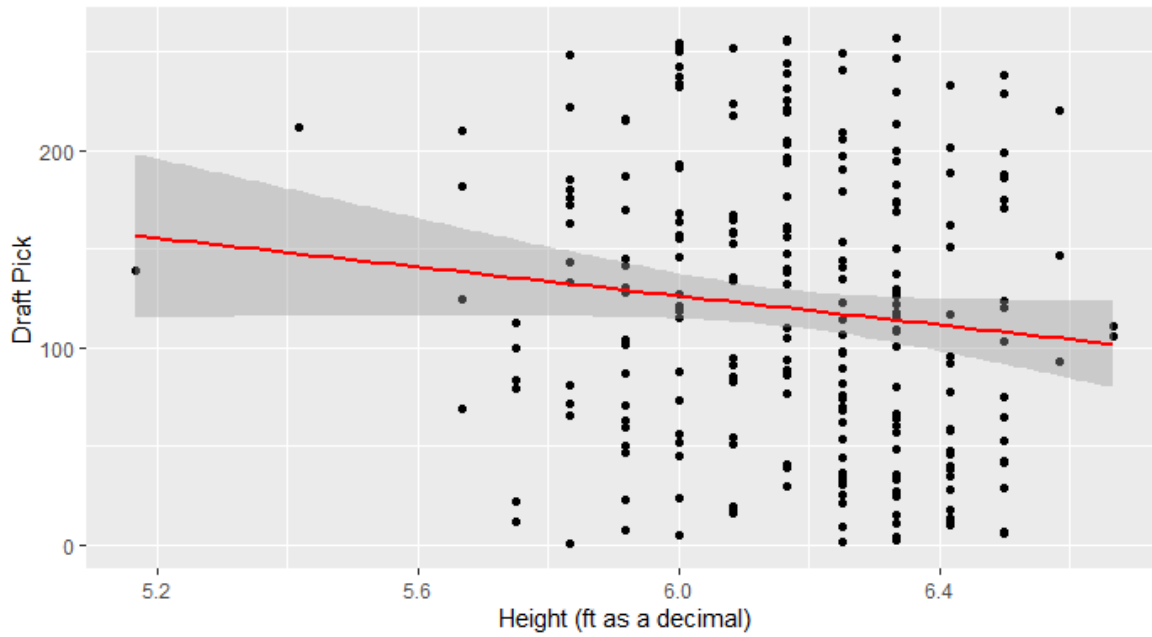


p value = 0.0194



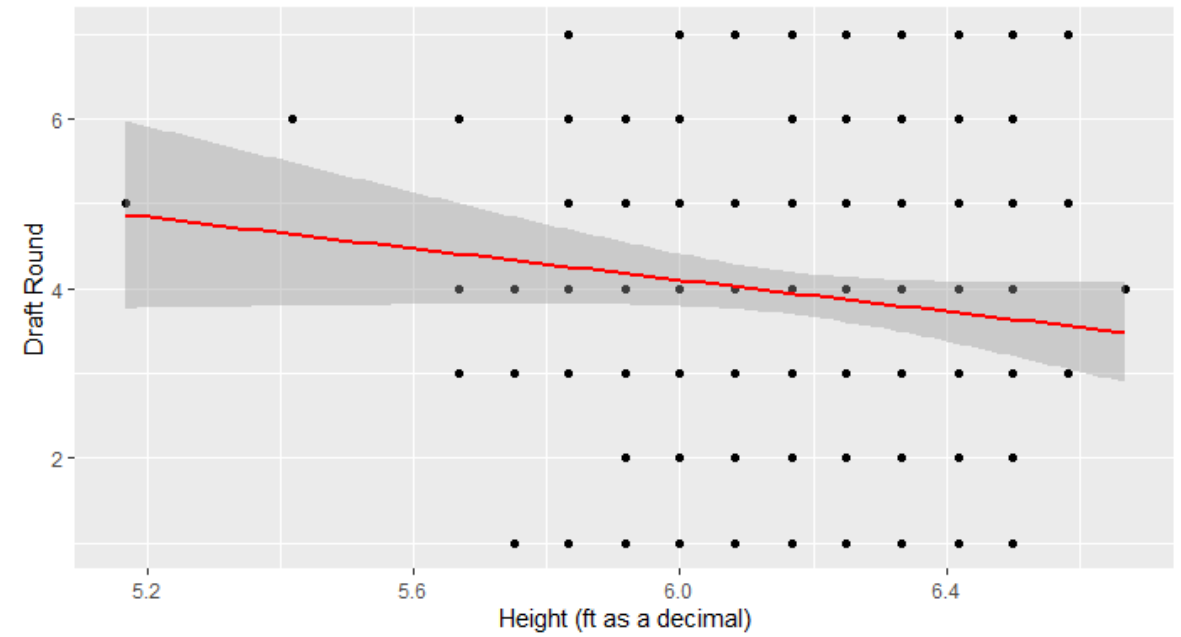
# SLR Models with Height

NFL Overall Draft Pick predicted by Height  
2023 NFL Draft



p value = 0.074

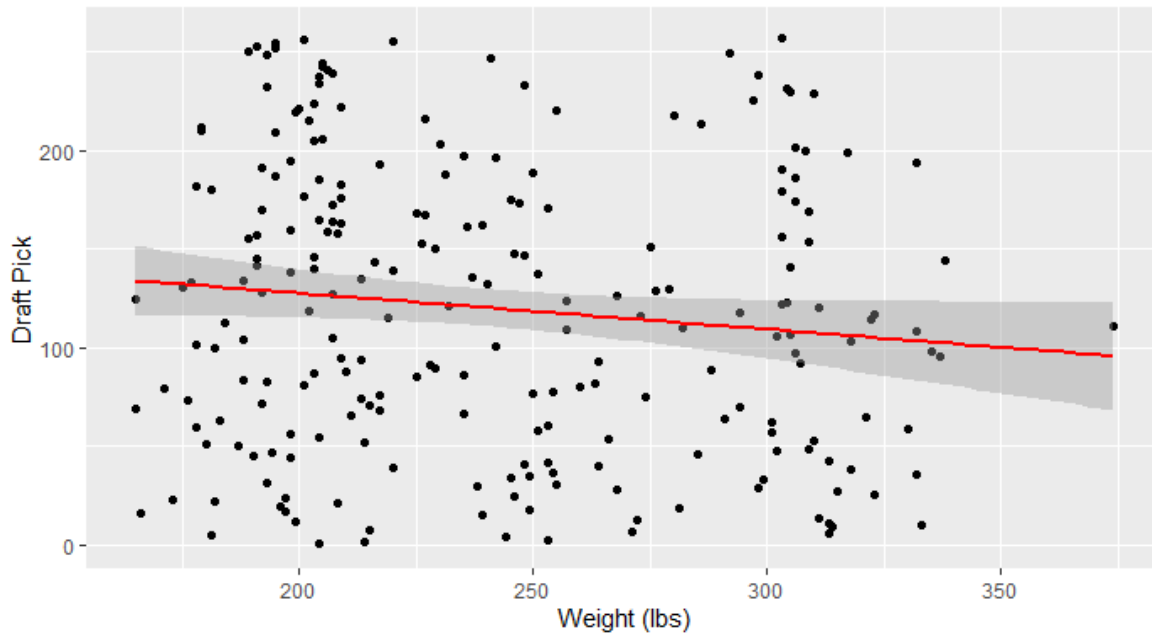
NFL Draft Round predicted by Height  
2023 NFL Draft



p value = 0.091

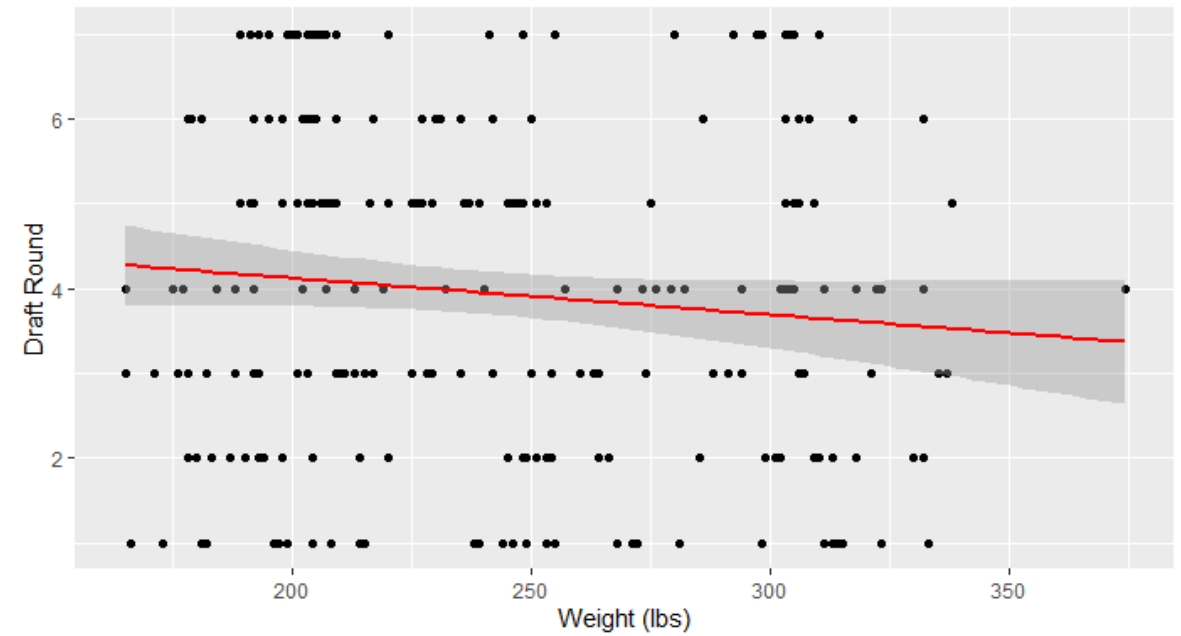
# SLR Models with Weight

NFL Overall Draft Pick predicted by Weight  
2023 NFL Draft



p value = 0.065

NFL Draft Round predicted by Weight  
2023 NFL Draft

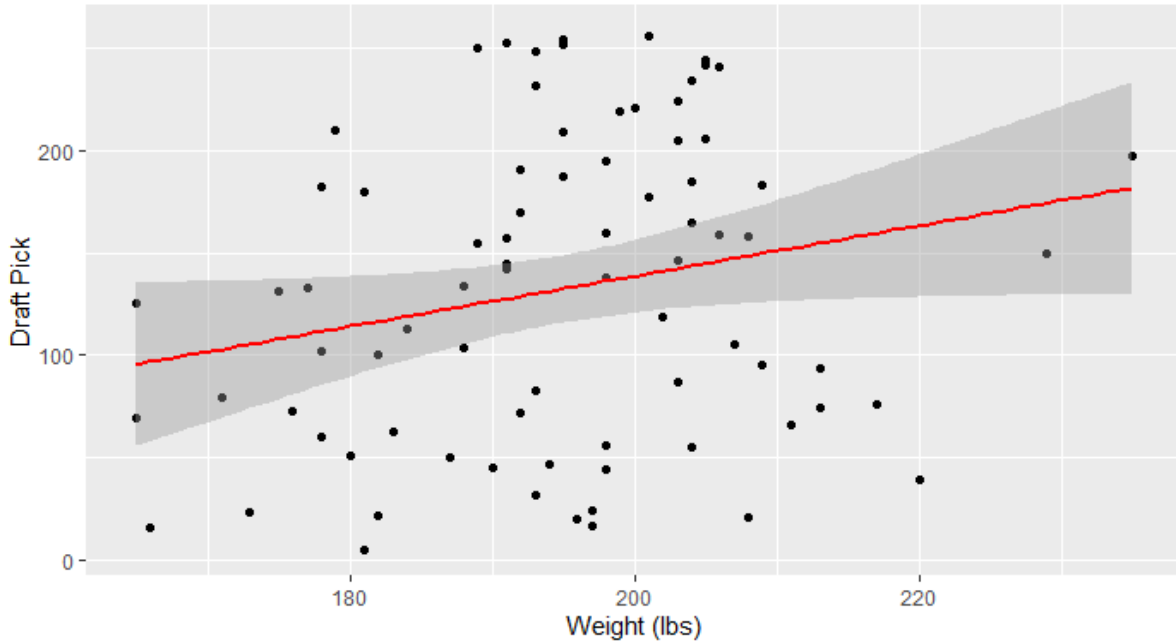


p value = 0.102

# SLR Models with Weight Category “Small”

NFL Overall Draft Pick predicted by Weight

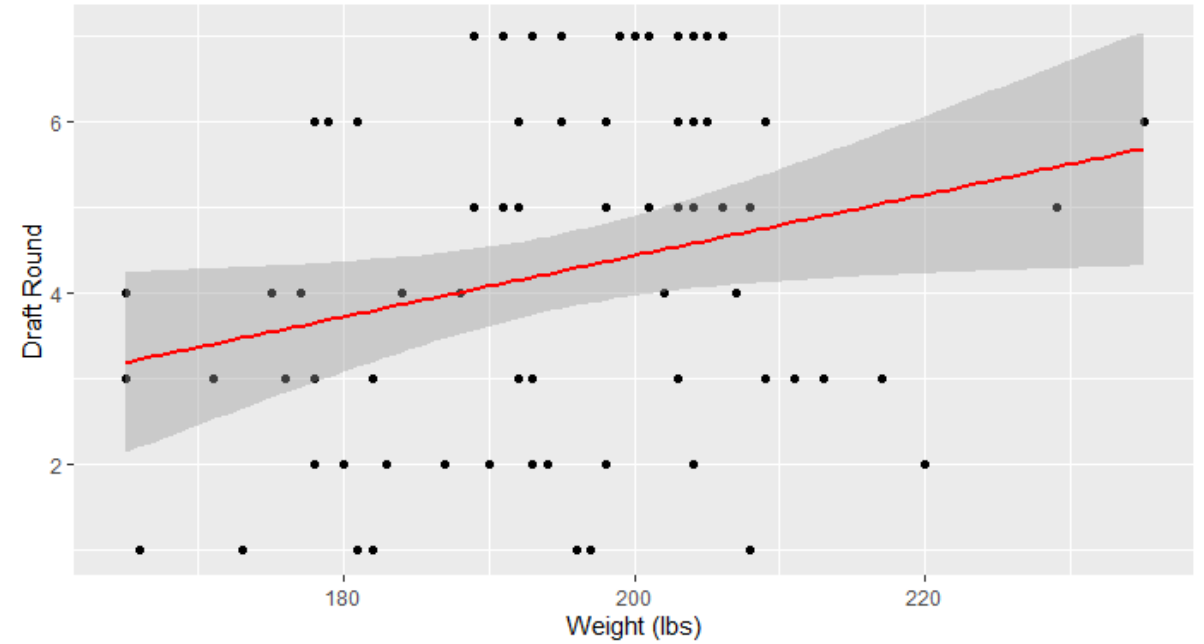
2023 NFL Draft of C, WR, and S



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