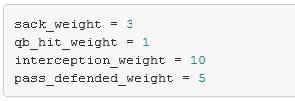
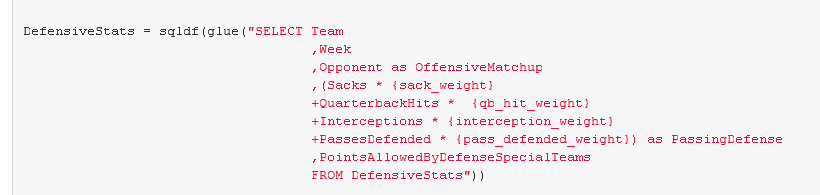
# Appendix

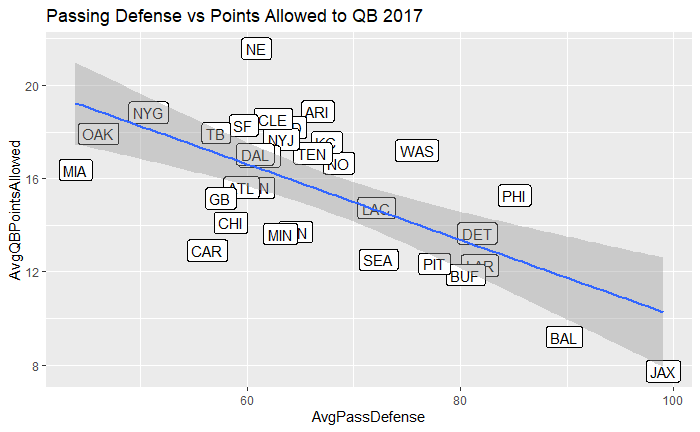
###### Custom Defensive Metric: PassingDefense

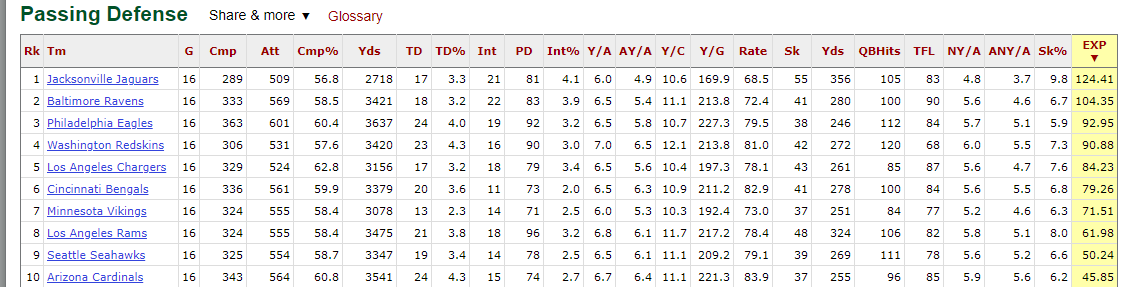
* Tracks well against the NFL rankings for points added by defense
* Uses the following weights:



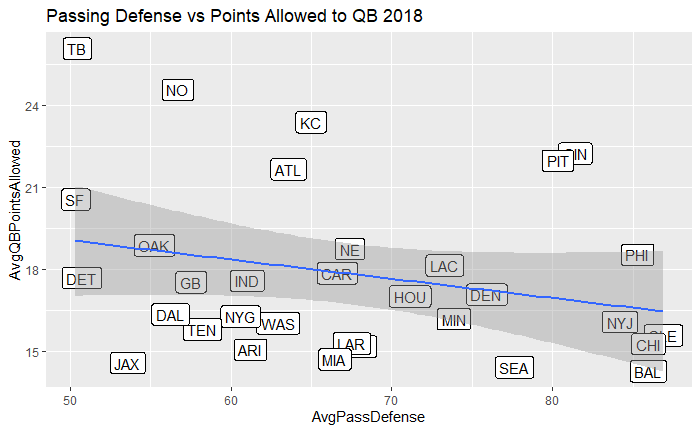


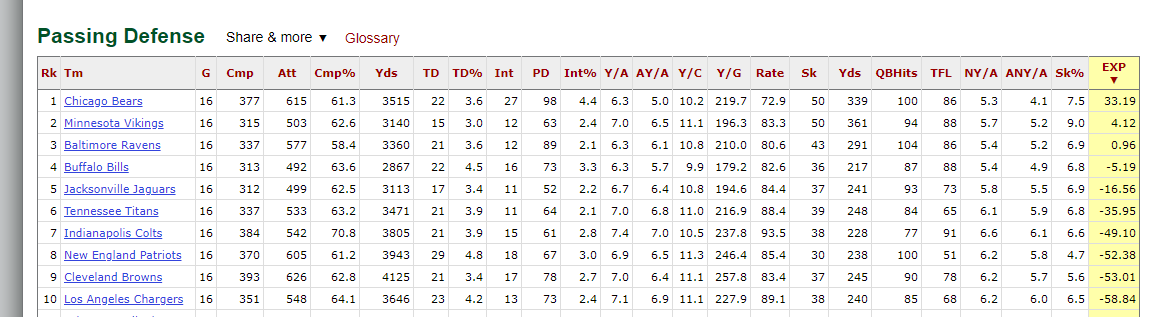
2017:





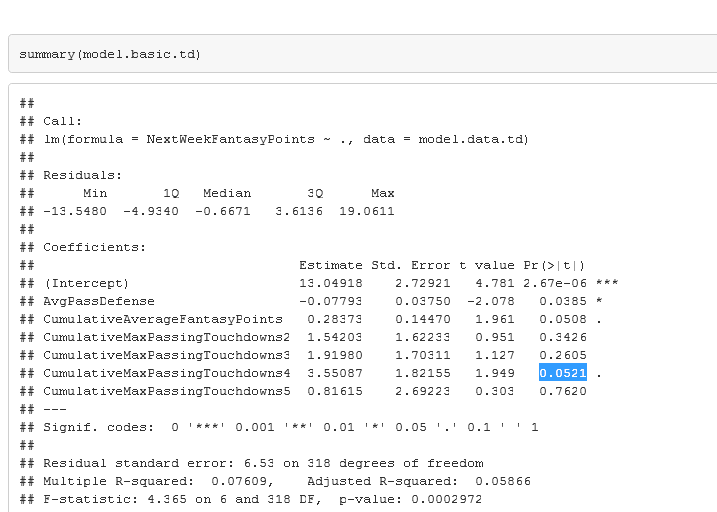
2018:



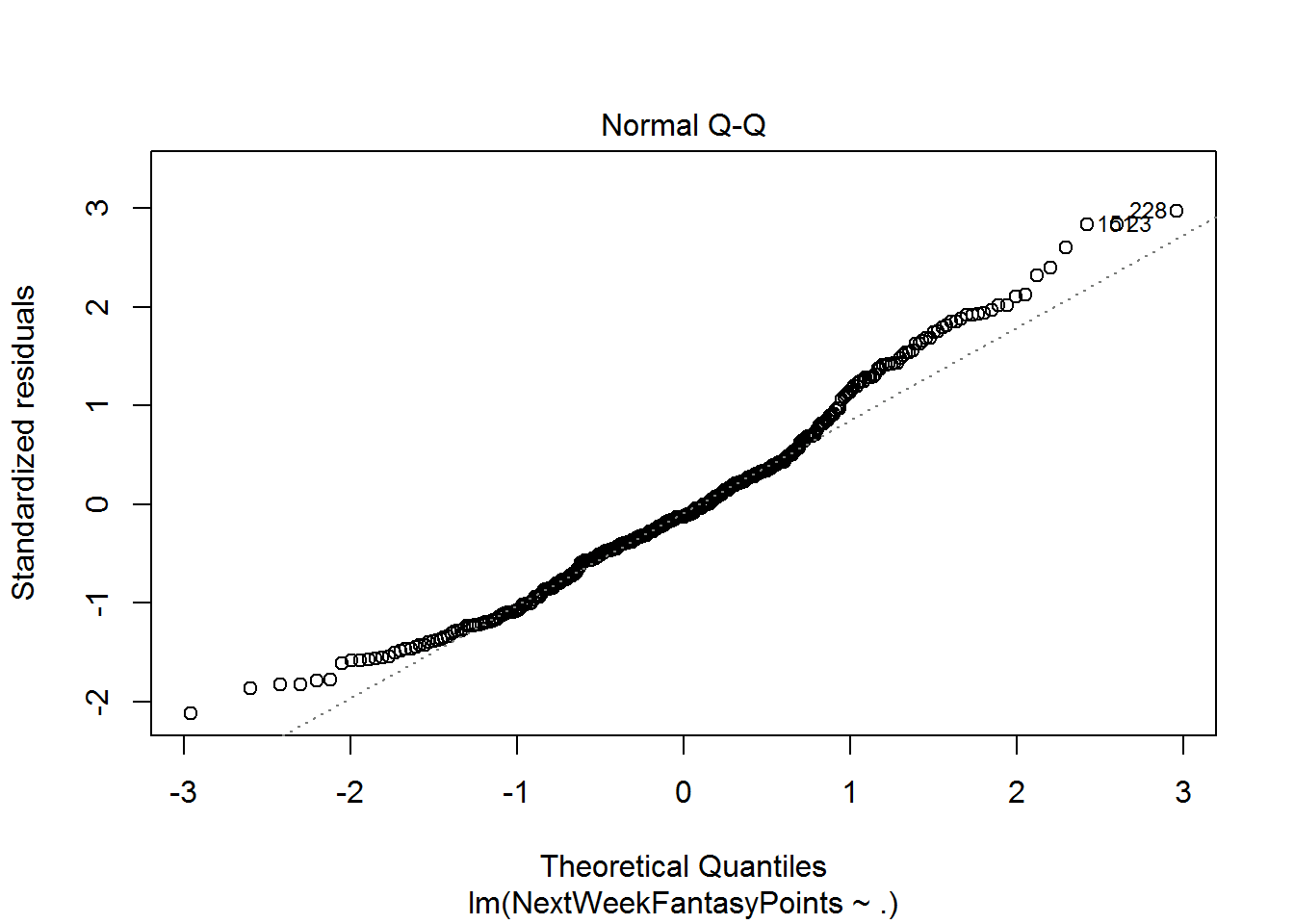
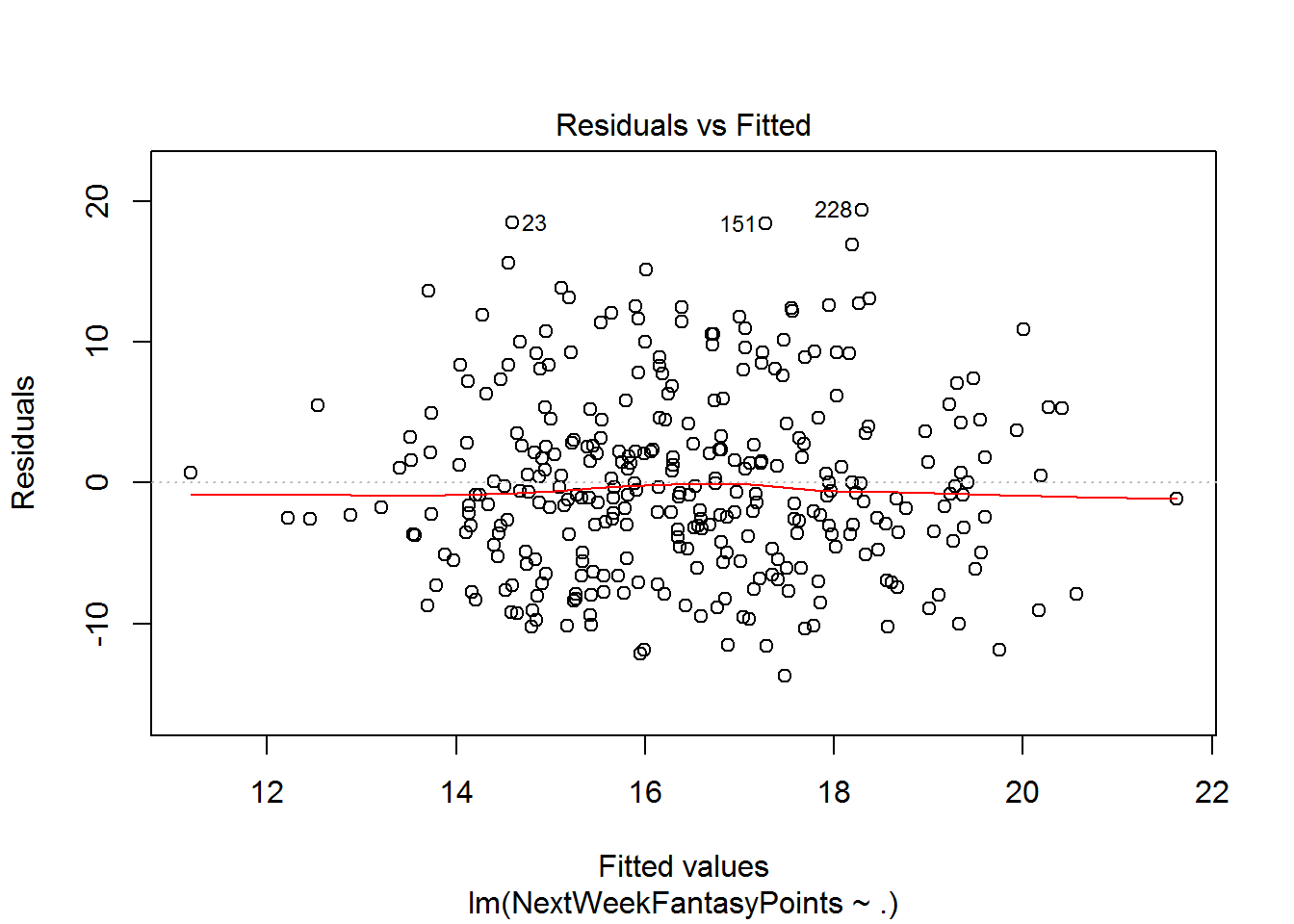


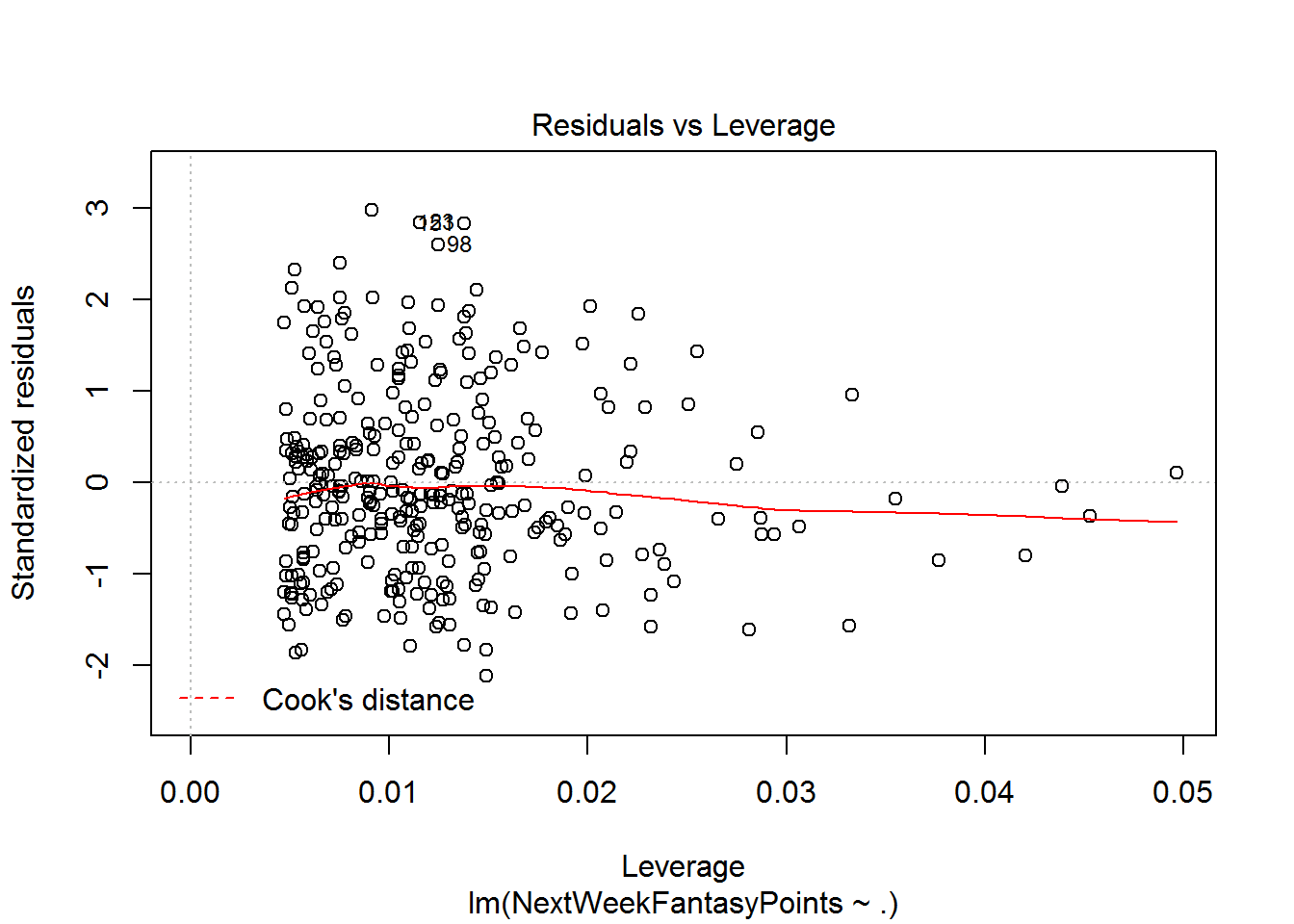
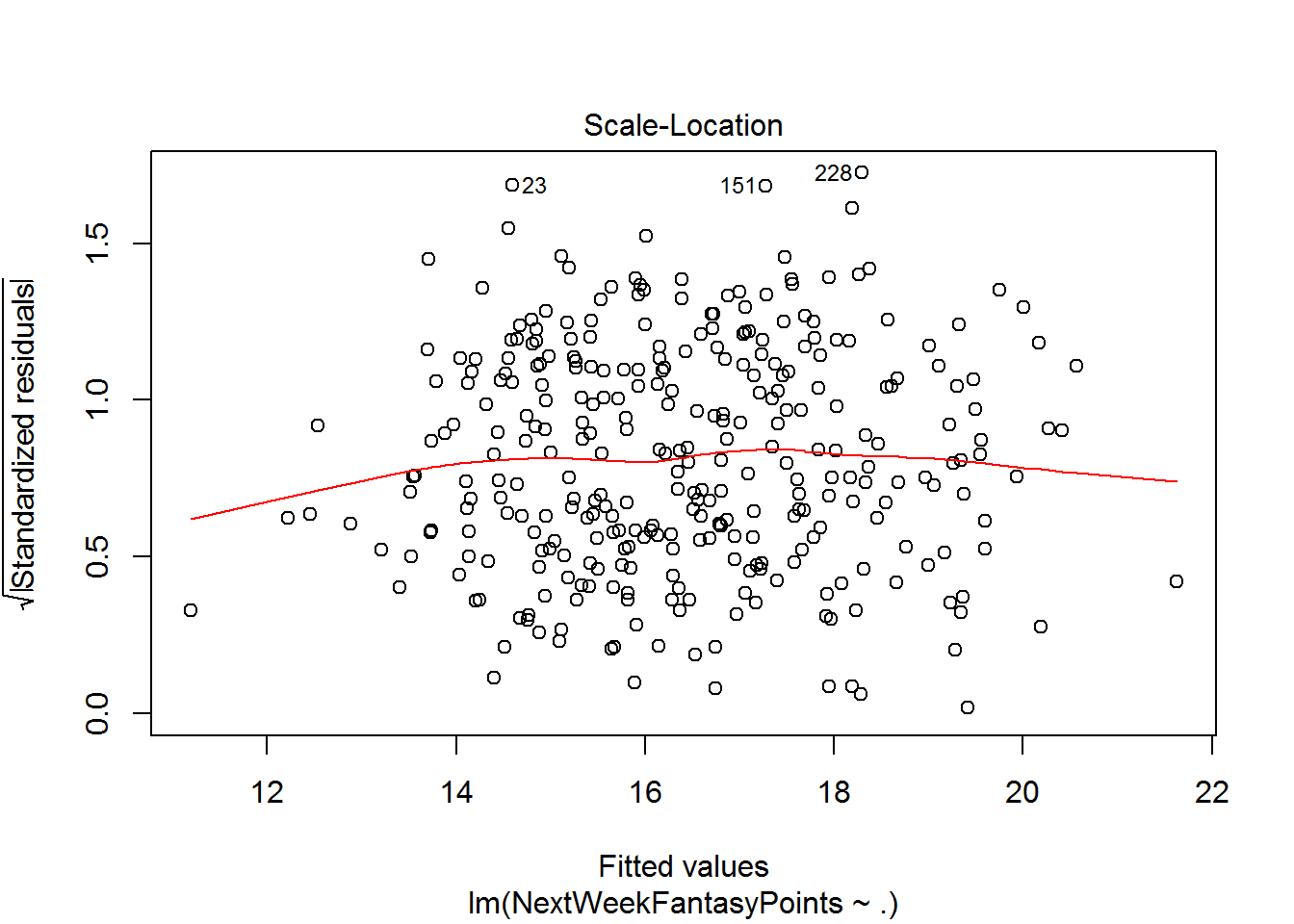
###### Custom Metric: HasThrownFor4OrMorePassingTouchdowns

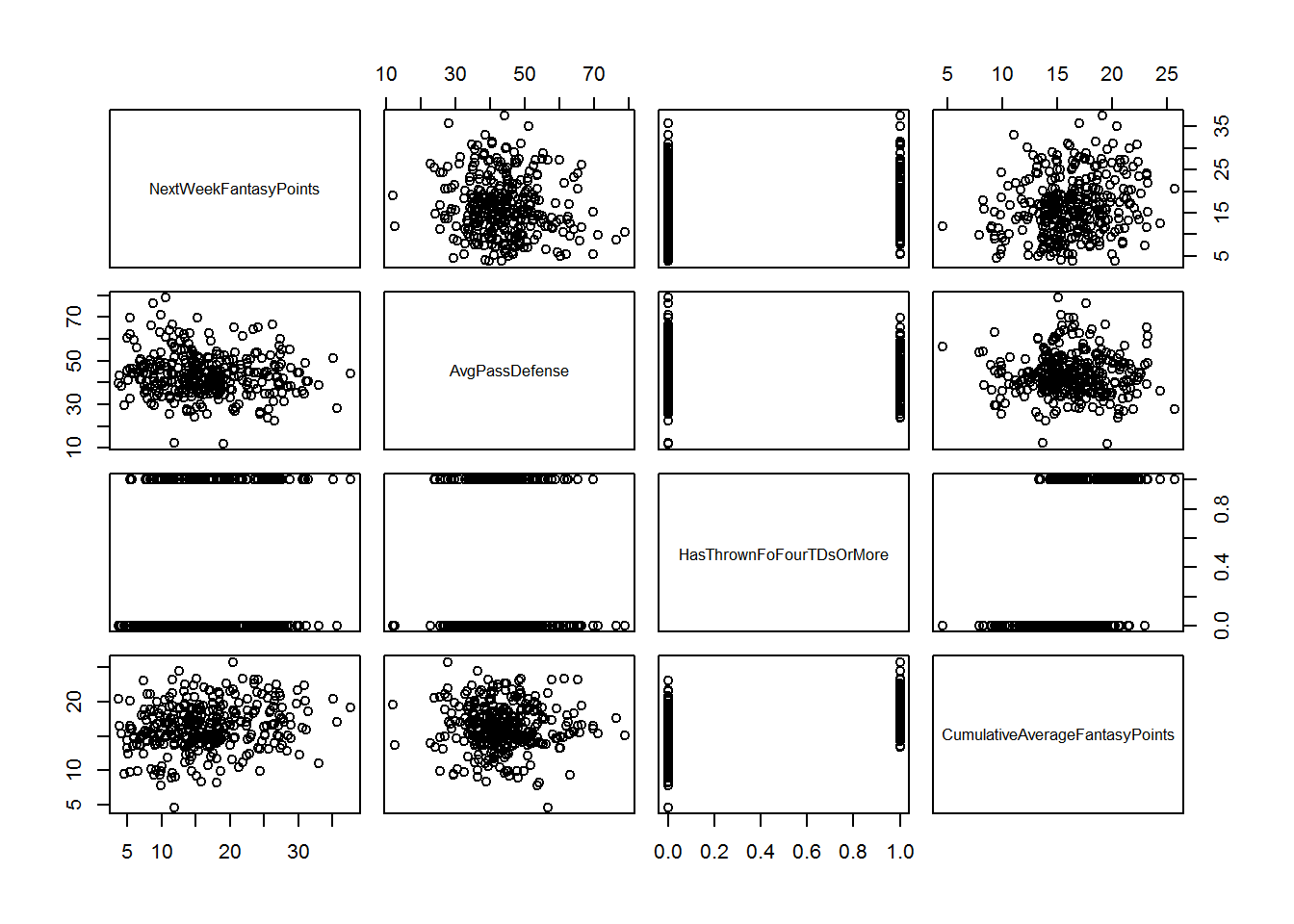
Rational: Signifcant interaction when CumulativeMaxPassingTDs = 4

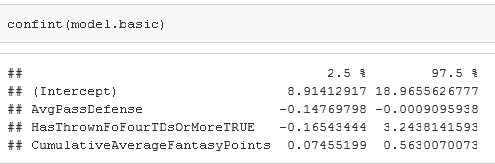
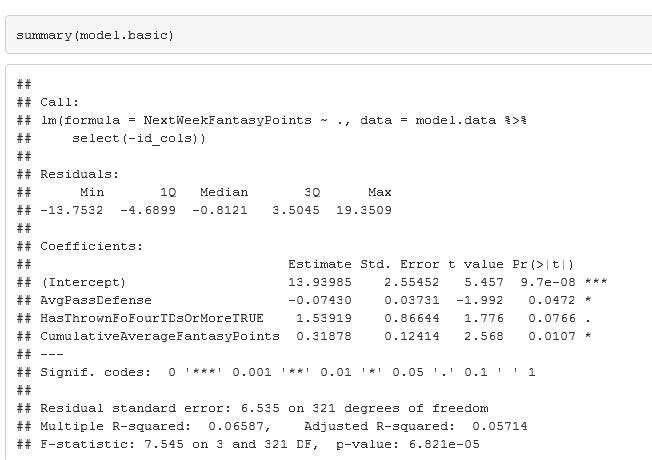


###### Simple Model Results (outliers included):

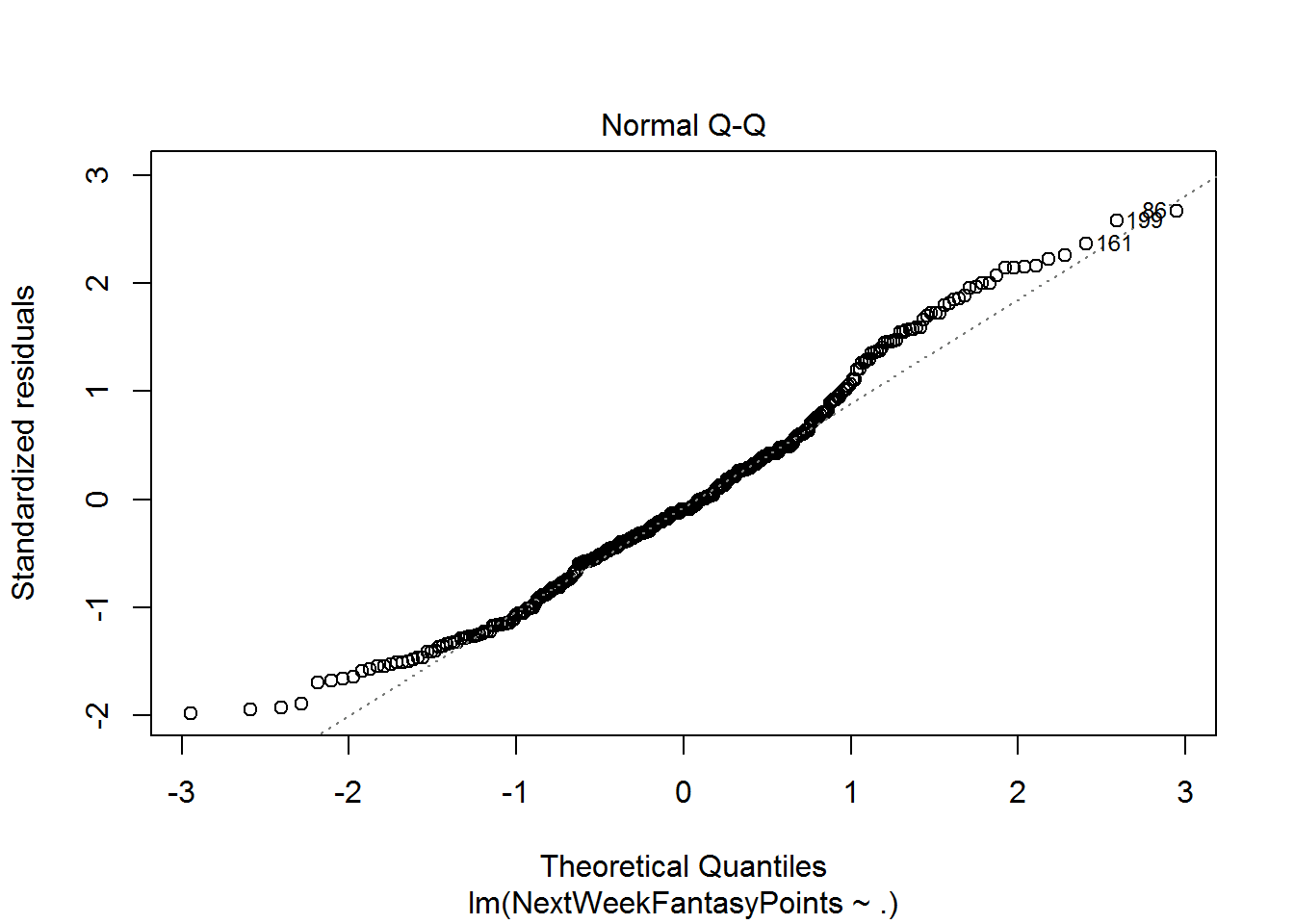
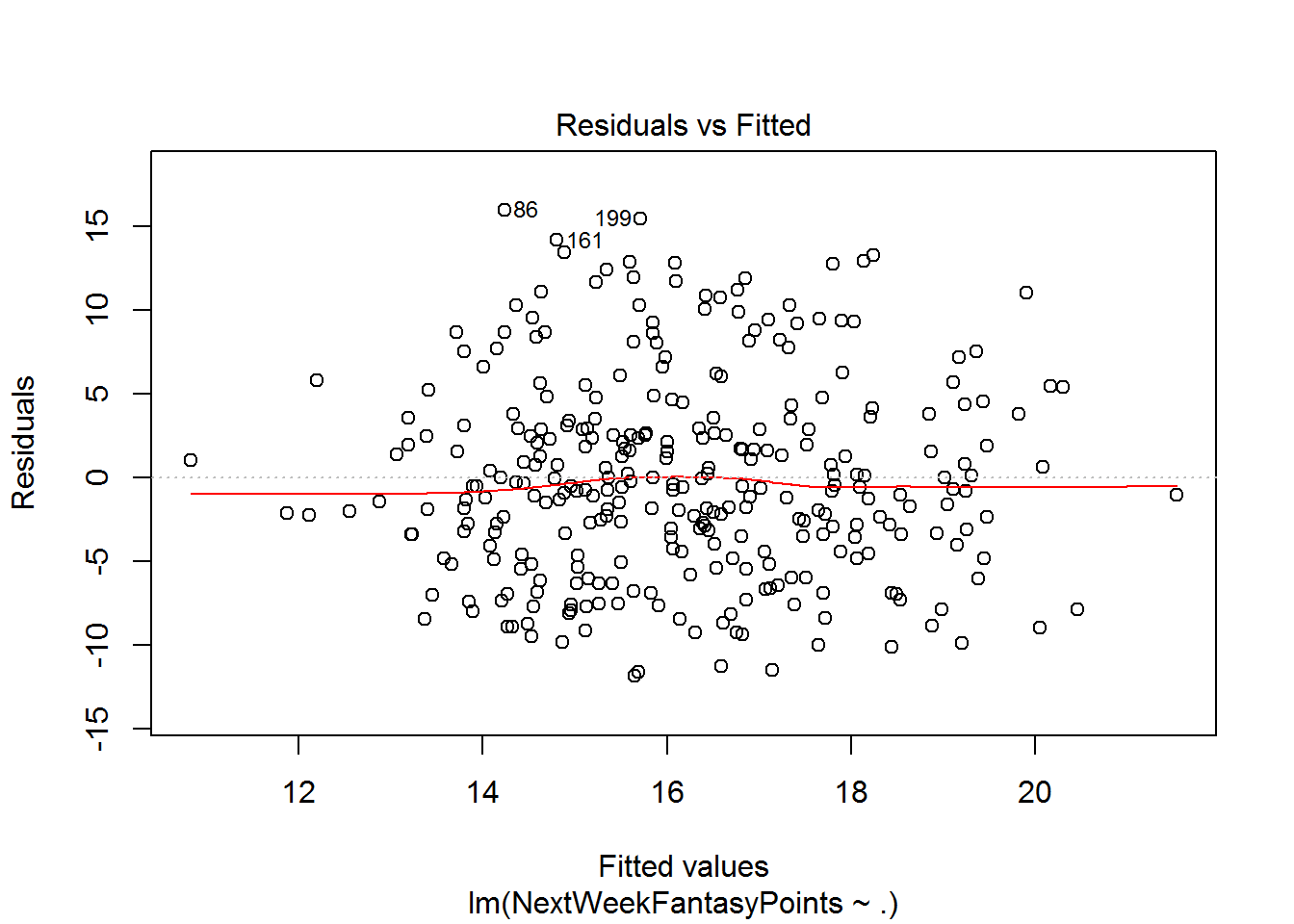


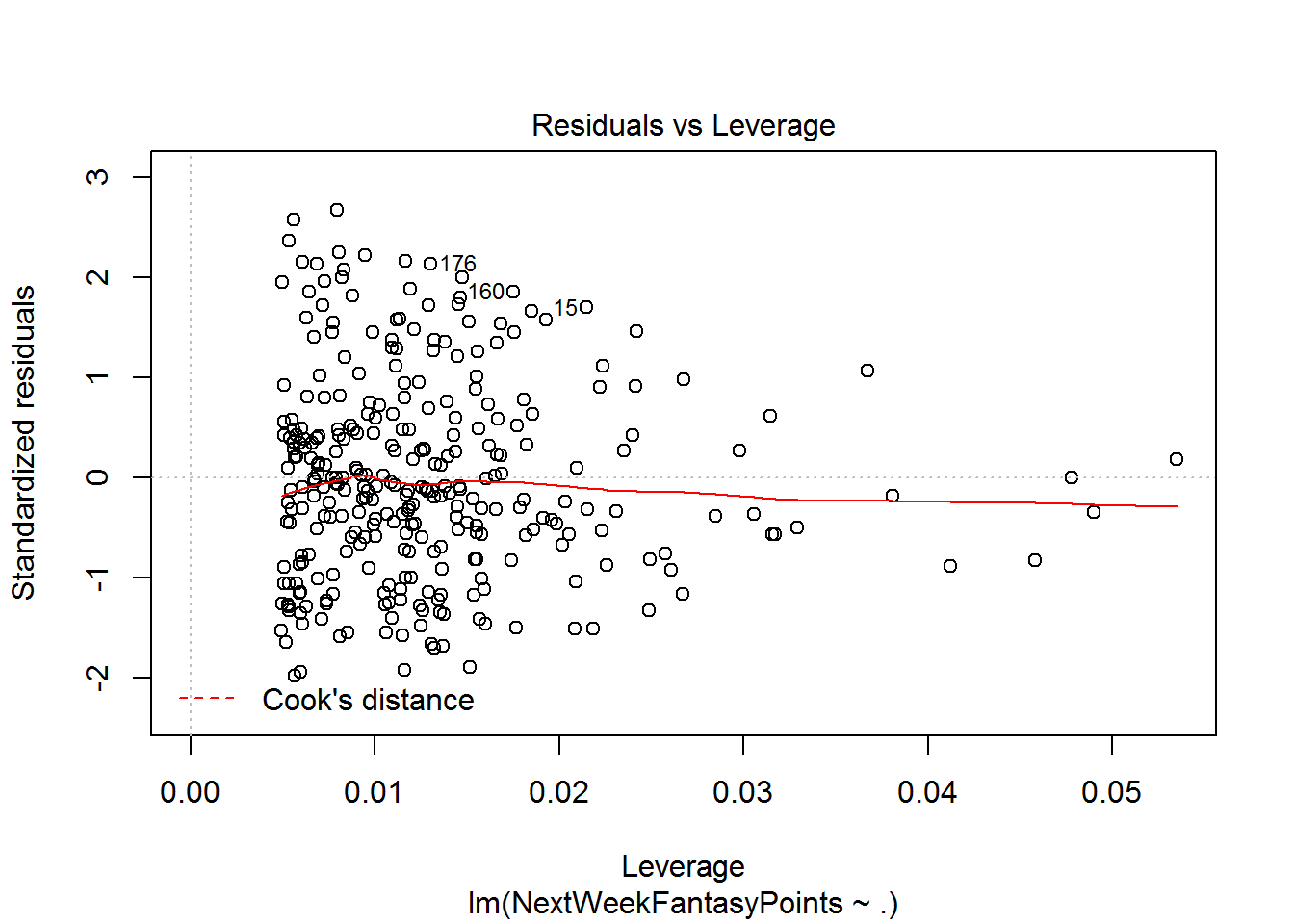
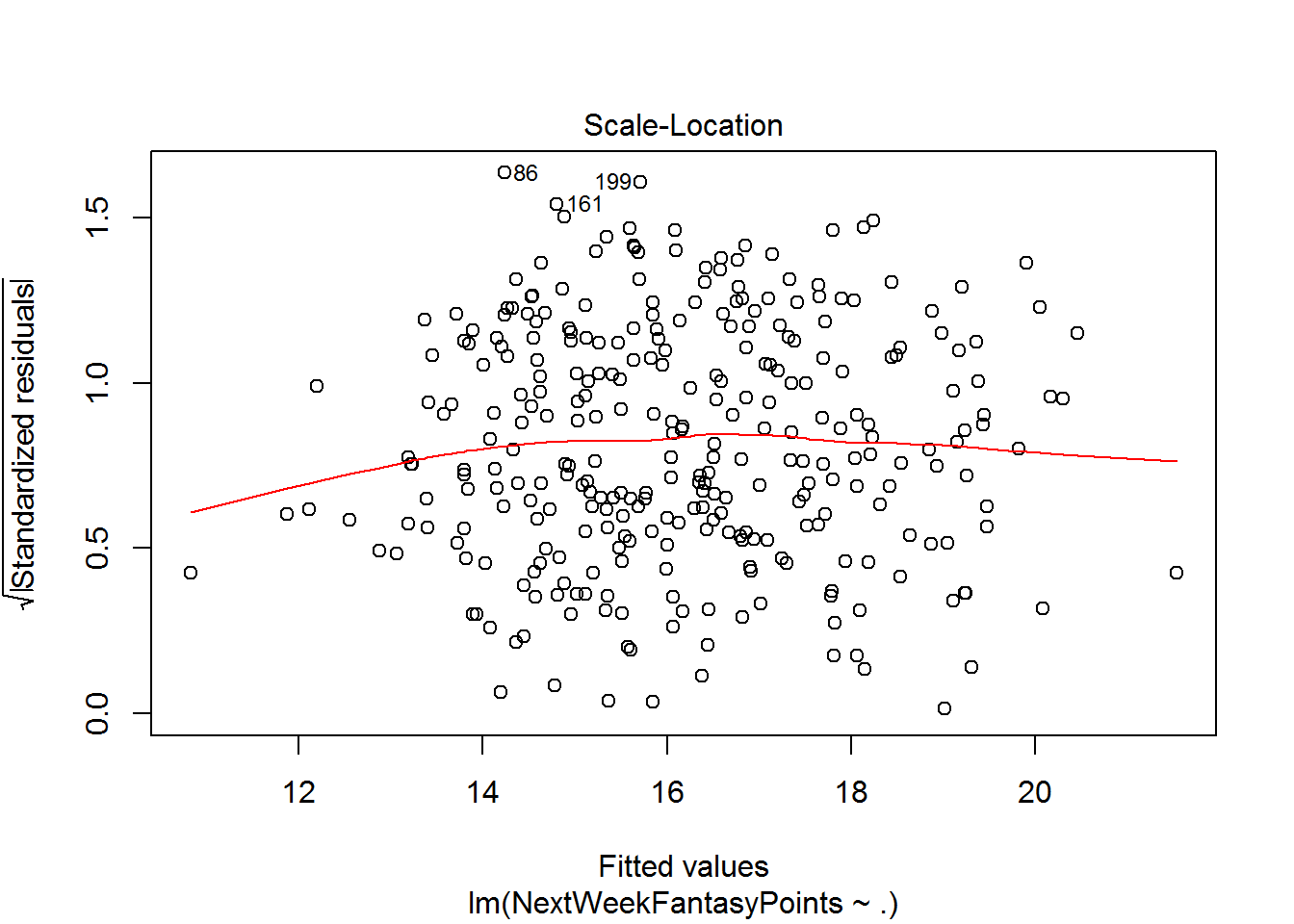


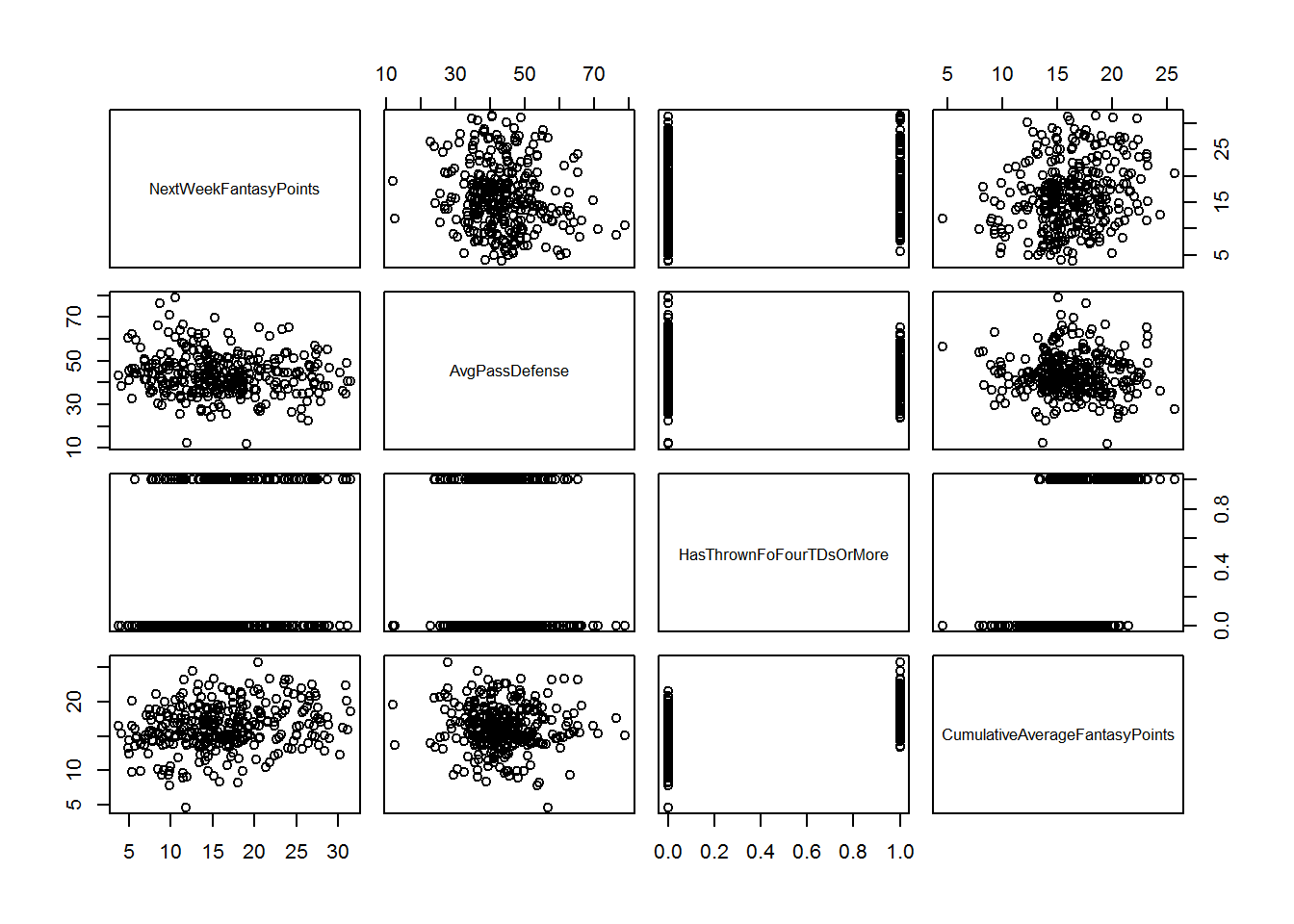


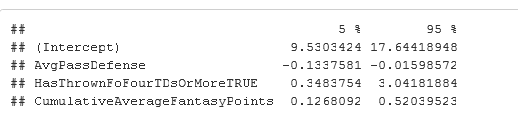
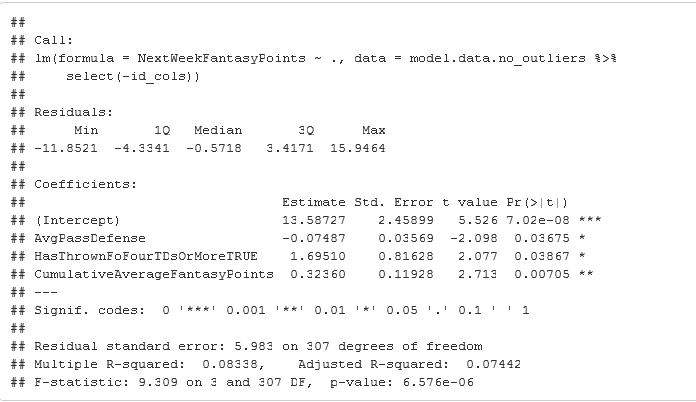


###### Simple Model Results (outliers excluded):

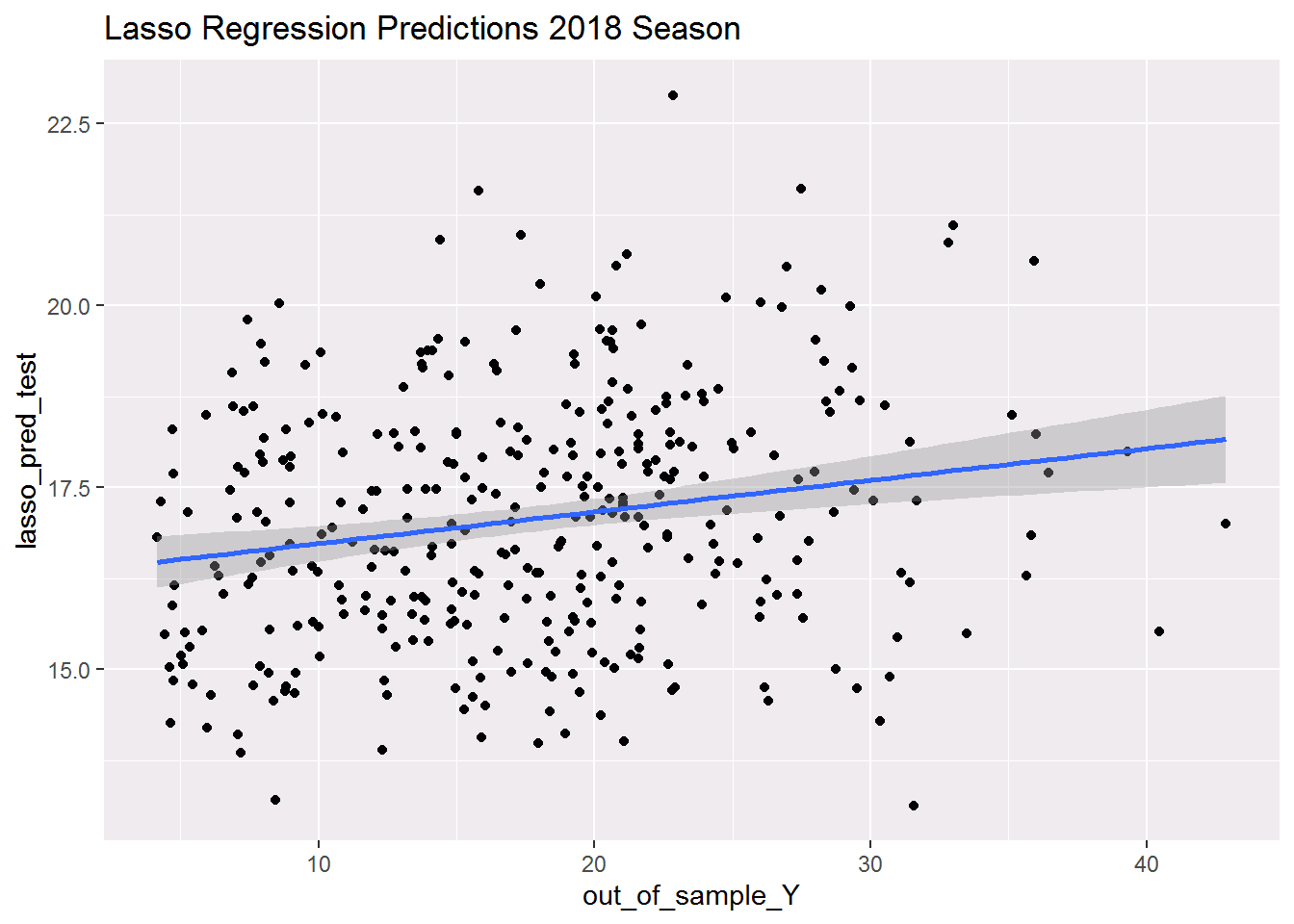
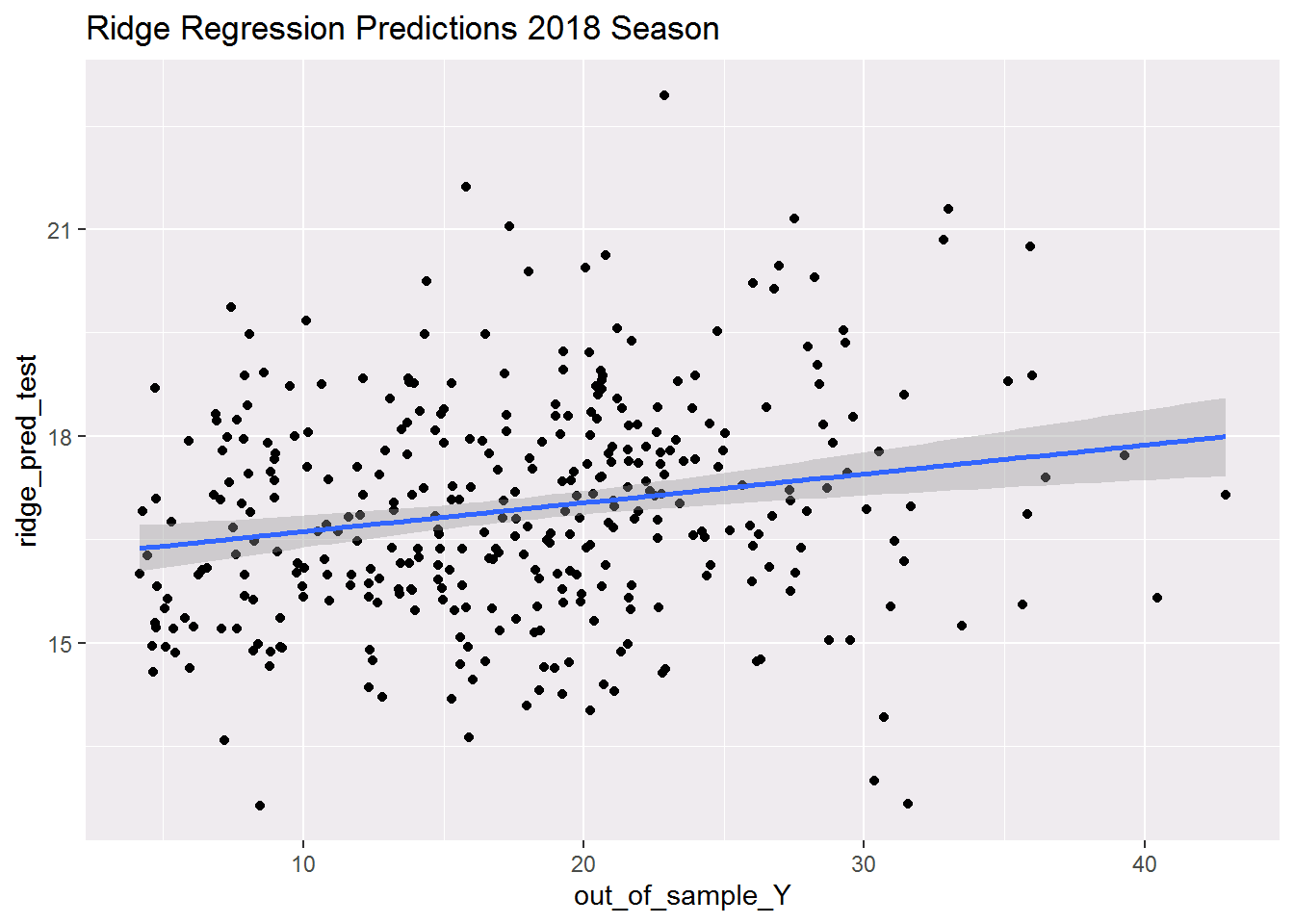


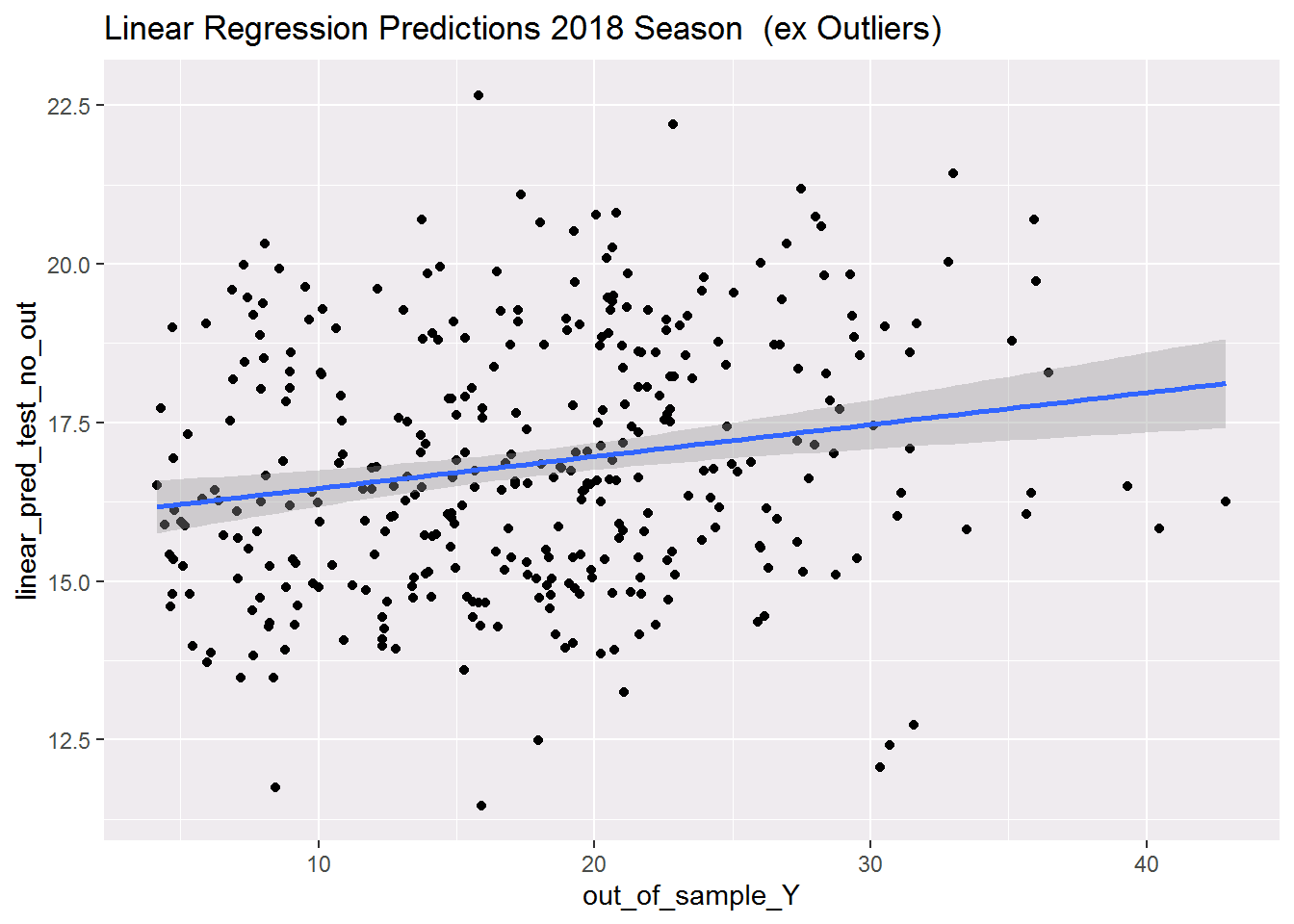
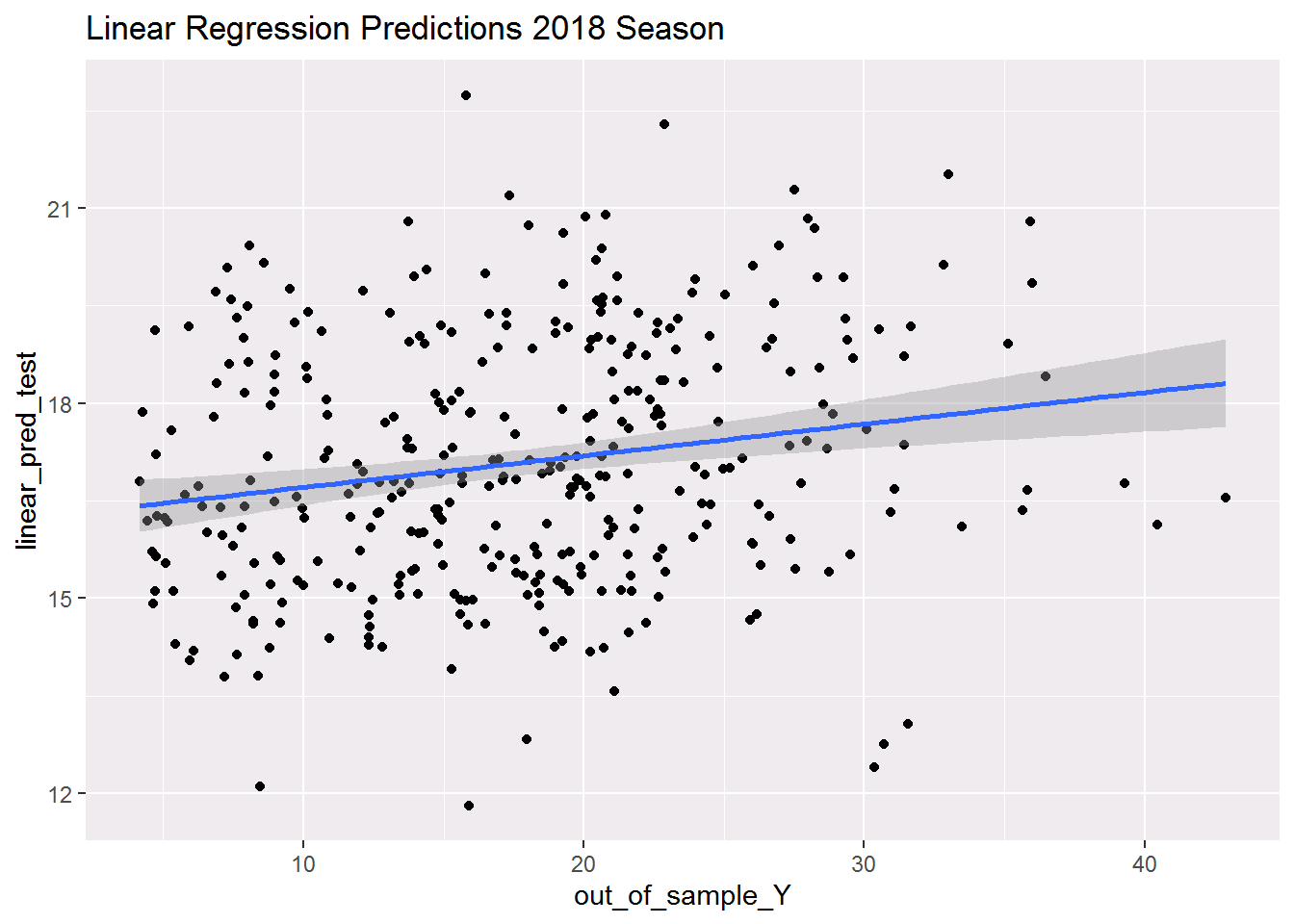






###### Model Out Of Sample Predictions:

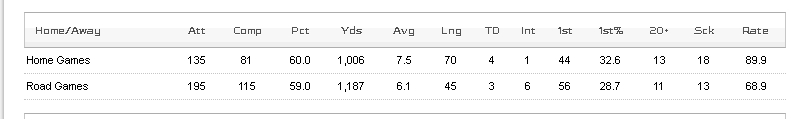




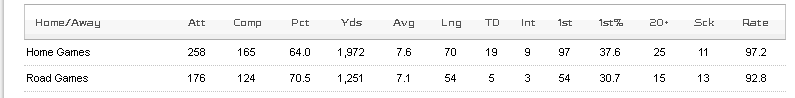
###### Actual Home/Road QBR (ANOVA Check)

<http://www.nfl.com/player/benroethlisberger/2506109/situationalstats>

M. Trubisky

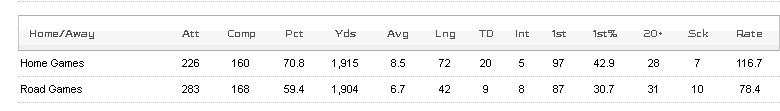
2017  


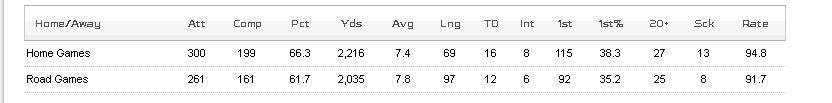
2018



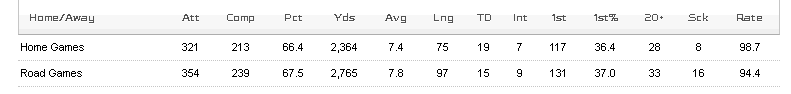
B. Roethlisberger

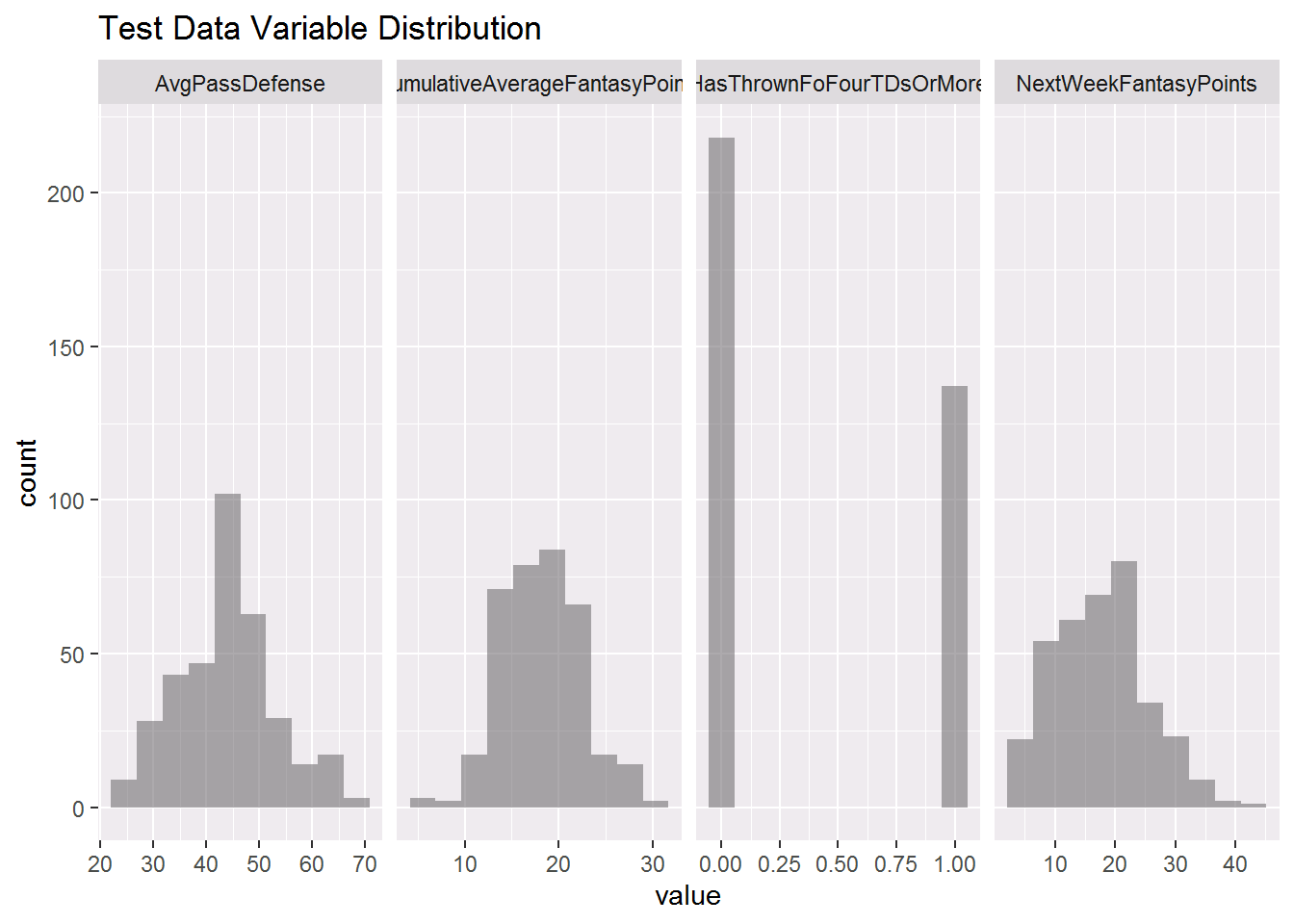
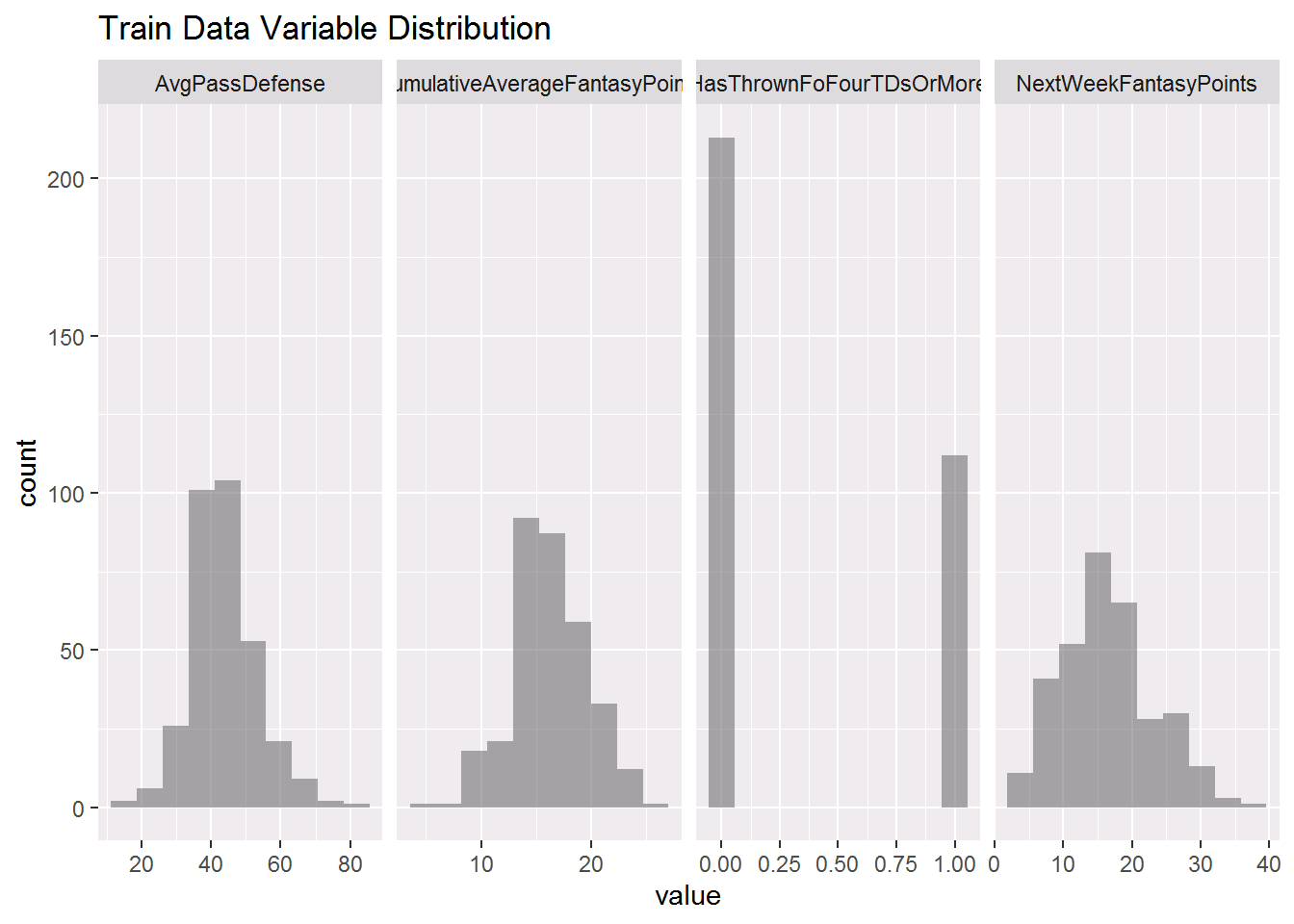
2016



2017  


2018





###### Correlation of Predictors:

