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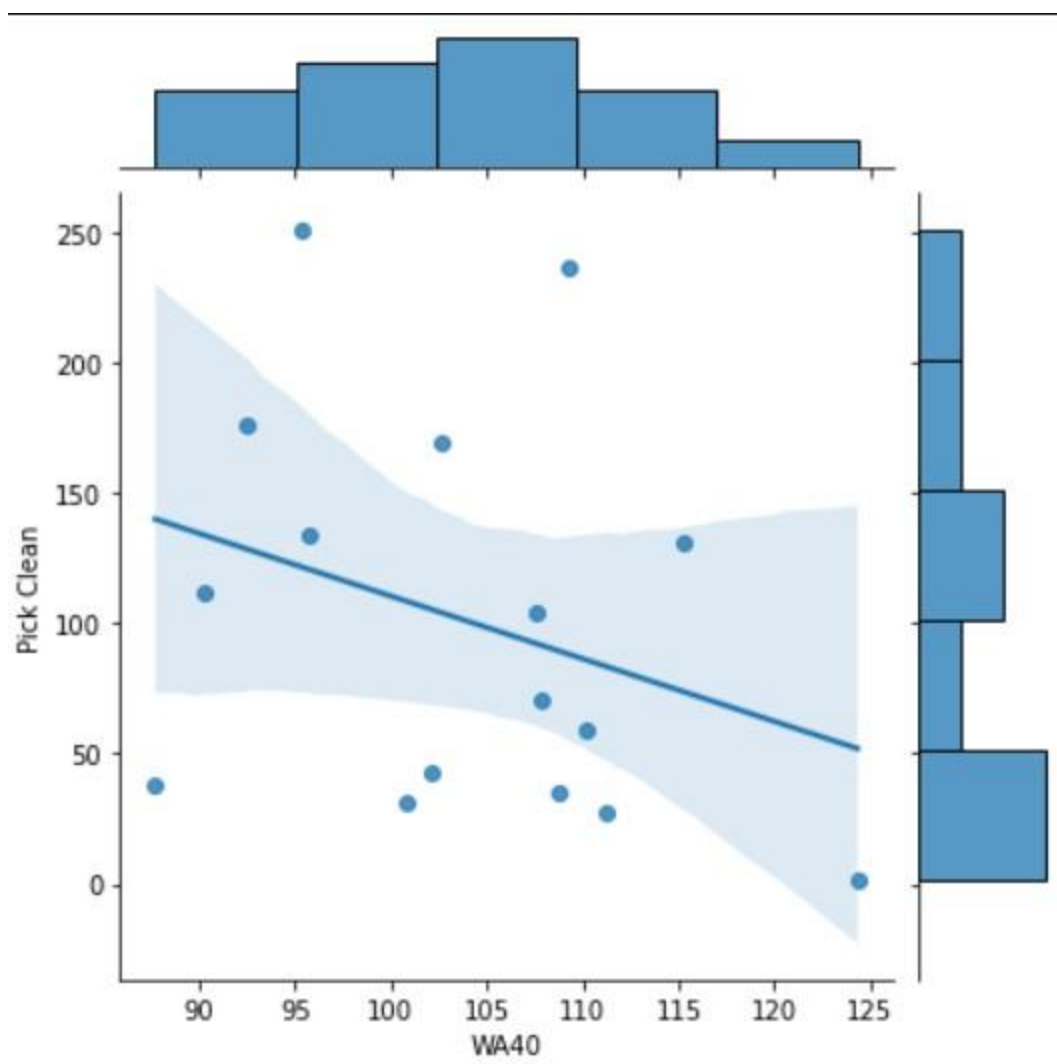
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### HW8: Comparing 2017 Combine WA40's to Draft Position

The NFL Combine is the gold standard in measuring the top college prospects in the nation every year. With the advent of analytics, skill positions and how a prospect/player is measured has changed entirely and become much more robust. Specifically focusing on running backs, speed and power are likely the most important physical attributes observed by scouts. The 40 yard dash has been the key determinant in football speed for years prior, but recently the emergence of WA40 has been a great way to account 40 yard dash time with a player's weight, often a key determinant in how powerful a back can be. In the 2017 NFL Draft, 16 running backs were drafted. The top five backs taken only accounted for two of the five backs by WA40 score. Overall we can see there is a moderately weak, negative correlation (-0.3097) between pick and WA40 rate, suggesting that a better WA40, as expected, would mean a player is drafted earlier. In terms of running backs drafted early, we can see teams should likely value WA40 more over star-value or raw stats coming out of college.

The attached chart shows a scatterplot comparing pick position and WA40 score with respective histograms for each.



## Works Cited

*2017 NFL combine results*. Pro. (n.d.). Retrieved November 4, 2022, from <https://www.pro-football-reference.com/draft/2017-combine.htm>

*NFL combine and Pro Day Info added*. NFL Combine Results. (2022, April 9). Retrieved November 4, 2022, from <https://nflcombinerresults.com/>