

NFL Draft Prospects:
A study on predicting top NFL drafts
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Introduction

American Football plays a very large role in American media and culture. American football as a whole is the most popular sport in the United States. In the United States, professional football and college football are the most popular forms of the game, with the other major levels being high school and youth football. As of 2012, nearly 1.1 million high school athletes and 70,000 college athletes play the sport in the United States annually. The National Football League, the most popular American football league, has the highest average attendance of any sports league in the world; its championship game, the Super Bowl, ranks among the most-watched club sporting events in the world, and the league has an annual revenue of around \$10 billion.

Besides the Super Bowl and other high profile games, one of the most watched events of the sport is the National Football League (NFL) Draft. The draft is an event where professional football teams select some of the top college prospects to be a part of their team for the next season. However, the draft has a greater impact than only on the professional teams and the college prospects. In 2014, the NFL Draft was covered by the NFL Network, ESPN, and ESPN2 over the course of 3 days where 45.7 million people watched. With an event getting so much press and coverage, many fans look to predict the outcomes of the Draft, interested in who their team will draft and which select athletes will be the coveted first round draft picks. We hope to use some data about the top fifty NFL Draft prospects to get a better understanding of trends or patterns that can help make these predictions more precise and accurate. We would like to ask what the qualities of a player are that makes him a top prospect. And more importantly, what benchmarks makes an athlete worthy of being picked in the first round of the draft?

There exists various statistics that rank players with a heavy weight on different factors, including However, very few combine the statistics available and look at the performance of airports on a larger scale. As a result, a few questions remain: Is there a relationship between different kind of statistics on airport performance? If so, which factors may be influenced by other factors? Which are the most dependent on others and which are completely independent of others

Name	Concept	Variable Type	Possible Range
h2015	Height of NFL drafts (2015) in feet	Ordinal/Ratio	-(4, 9); -For this variable, the minimum possible height is 4 feet (more than midget status) and the maximum is a conservative estimation
hAll	Height of Hall of fame NFL players	Ordinal/Ratio	- (4, 9); -For this variable, the minimum possible height is 4 feet (more than midget status) and the maximum is a conservative estimation
weight	Weight of NFL drafts (2015) in pounds	Ordinal	-(100,400) -This is a conservative estimate for both the minimum and maximum values for weight - Lightweight, Midweight, Heavyweight classes ranked in order.
fortyT	Combined 40 yard dash time of NFL drafts (2015) in seconds	Ratio	-(0, 100) -The minimum 40 yard dash time cannot be less than zero seconds and the maximum is a conservative estimation
fortyA	Combined 40 yard dash time of Hall of Fame NFL players	Ratio	-(0, 100) -The minimum 40 yard dash time cannot be less than zero seconds and the maximum is

			a conservative estimation
threeCone	3- Cone drill timings in seconds of NFL drafts (2015)	Ratio	-(0, 100) -The minimum 3-cone drill time cannot be less than zero seconds and the maximum is a conservative estimation
Race	Ethnicity of the player	Categorical	-{Black, White, Other}