

Quarterbacks of the Future: Using College Statistics to Predict NFL Success

Justin Wang

Mathematical Evolutions

Kristen Fye and Allison Hahn Elowson

Summer Ventures in Science and Mathematics

University of North Carolina at Charlotte

### Abstract

In the National Football League (NFL), drafting quarterbacks is quite risky and yields inconsistent results. However, because the quarterback plays such a large role in the success of a team, executives are willing to spend their valuable draft picks on uncertainties. One of the ways that teams try to predict the future success of quarterbacks is by looking at the statistics they accumulated in college. Although many types of statistics exist, there are no popular methods of evaluating college quarterbacks' NFL projections. In this paper, I attempt to find the college statistics that best correlate with NFL success. Then, I create my own statistic using those college statistics in order to predict each quarterback's future performance. This new statistic could open the door for a mainstream method of evaluating college quarterbacks and help NFL teams reduce the risk involved in drafting quarterbacks.