

What Makes A Great Quarterback: An Examination of what stats can make a quarterback have a better winning percentage

Andrew Borum

Arcadia University
School of Global Business
Sport Management

Abstract

In the National Football League (NFL), There are many factors that go into making a great quarterback. Stats like passing yards, touchdowns, pass completion percentage, and interceptions thrown. From 2000-2024, 292 quarterbacks were put under the spotlight with their stats to see if these four factors play a true role in a team having a better win percentage led by their quarterbacks. The results showed that there are factors that could be affected to win a game based on the stat lines we followed. Interceptions fell below the line of affecting the game ($p\text{-value}=0.031$) and pass completion with the same being right under the line ($p\text{-value}=0.044$). Stats that showed they can affect the game are touchdowns which was well above the line we were looking for ($p\text{-value}=0.542$). The same was shown with passing yards ($p\text{-value}=0.776$)

Keywords: NFL, Touchdowns, Interceptions, Football, Passing Yards, Pass completion percentage