Efficacy of NFL Defenses Against Passing Plays  
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Global Sport Market has increased its total revenues in about 35% in the last 18 years. Total revenue of all 32 NFL teams has constantly increased over the past 15 years, rising from about four billion U.S. dollars in 2001 to over 15 billion U.S. dollars in 2019, the highest figure to date (Statista. 2020). The uses of Data Analysis and Statistics in sports helps from coaches, to players and fans, it foes not only help to win games, but to improve performance of the entire team, prevent injuries, set strategies and allow the fans to have fun and attend and watch games, at the end the sport industry generate money, fun, and promote healthy life style for everyone.

Legendary football coach Paul “Bear” Bryant famously said, “Offense sells tickets. Defense wins championships”. If this is true, predicting what defense scheme is going to result in stop the yard gain of the other team will give you the Championship. The NFL teams dedicate their time to set defenses strategies according with a list of possible offense plays, based on this concept, we are going to create a

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