**A STATISTICAL ANALYSIS OF HISTORICAL UFC DATA**

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**1. Introduction**

­The Ultimate Fighting Championship (UFC) is a mixed martial arts (MMA) promotion company out of Las Vegas, Nevada. The UFC holds hundreds of fights every year where competitors from all over the world with all different backgrounds compete in attempt to earn and defend a championship title. The dataset utilized in this analysis contains a list of every UFC fight in the company’s history (November 1993 – March 2021) where each entry contains information about both fighters, details about the fight, and the winner of the fight. This analysis aims to answer a few questions: Is it possible to predict the winner of a fight given any two fighters? Moreover, which predictors are most useful in predicting the winner of a fight?

**2. Exploratory Data Analysis**

Chart, box and whisker chart

Description automatically generated

Chart, scatter chart

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