

Project Proposal Template

Background:

In this classification project, I will be using UFC fights data to predict a fights finish i.e., knockout, unanimous decision, or submission by seeing data of a match, like number of punches, number of takedowns...etc.

Question/need:

Framing question: how will the fight finish?

Who benefits: people betting on how the fight will finish

Data Description:

The dataset is from Kaggle.com, and it contains 4885 rows and 119 columns, and some of this data includes:

- Red corner fighter name, Blue corner fighter name, fight date, location, weight class
- Number of rounds
- B and R average significant strikes landed, average significant striking accuracy, Average Submissions Attempted, Average takedowns landed, Takedown accuracy
- Fighter height, reach and weight, age
- The finish of the fight i.e., knockout, unanimous decision, or submission
- Fight finish round

Scope:

- I will attempt to use as much rows as I can.
- I will use only the columns that will help in predicting the fight finish.

Tools:

Technologies: Python, Jupiter notebook

Libraries: Sklearn, statsmodel, Numpy, Pandas, Matplotlib, Seaborn.