

Linear_Regression Project proposal.

Question/need: I plan to explore the relationship between UFC fighters' weights and their ability to KO opponents. I will also look at other features such as fight history and age. Instead of 10+ features all trying to predict KO as a dependent variable though, I will make a couple models, each with only a few features. This is because I cannot find 10+ features to study. Another dependent variable I will study is length of fights and finish within the distance %.

Data: I will be scraping and parsing fighter data from sherdog.com website. And running linear regression models in python. I will collect data from every fighter on the current UFC roster. And Try to collect data from all of their fights, or as much as I can get.

Tools: Python, Pandas, Numpy, Matplotlib, Seaborn, BeautifulSoup, Regex.

MVP Goal: To scrape the full fight history data from at least 50% of the current UFC roster and create linear regression charts related to their weight class and KO %'s.