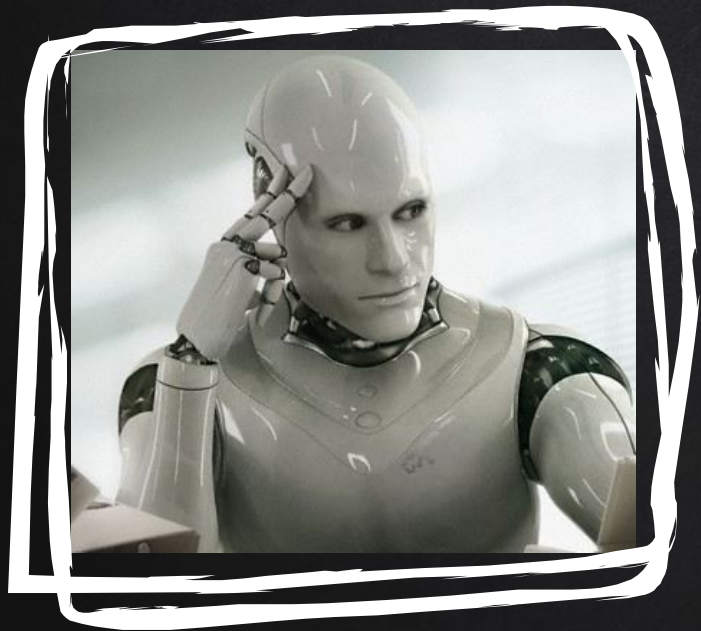


PREDICT A BOUT RIGHT



CREATOR: *Adam Blomfield*

PROJECT OBJECTIVE

Predict Outcome of a UFC Bout (Fight)

PROJECT PROCESS

- ✗ Gather Fight Data
- ✗ Compare Machine Learning Models (Accuracy)
- ✗ Deploy Best Model



WHAT IS MMA & ***UFC*** ?

- ✗ Mixed Martial Arts (MMA)
 - full-contact combat sport
 - striking and grappling
- ✗ Ultimate Fighting Championship (UFC)
 - Largest MMA Promotion Company

MICKY'S



WOMEN COMPETE TOO!



DATA

4,570 BOUTS

2,460 FIGHTERS

WHERE DID BOUTS TAKE PLACE?



45

FEATURES

STRIKES
THROWN



WIN RATE

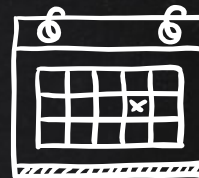


FIGHTER HEIGHT

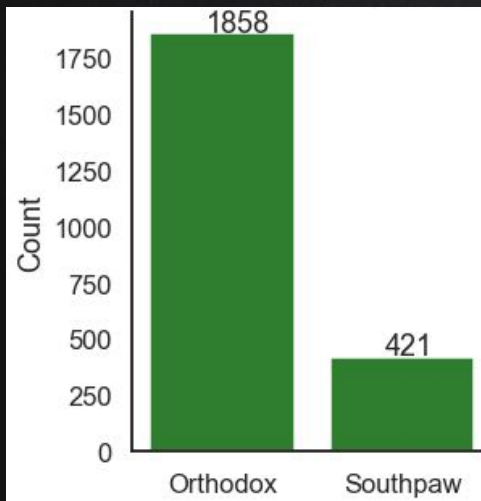
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FEATURES

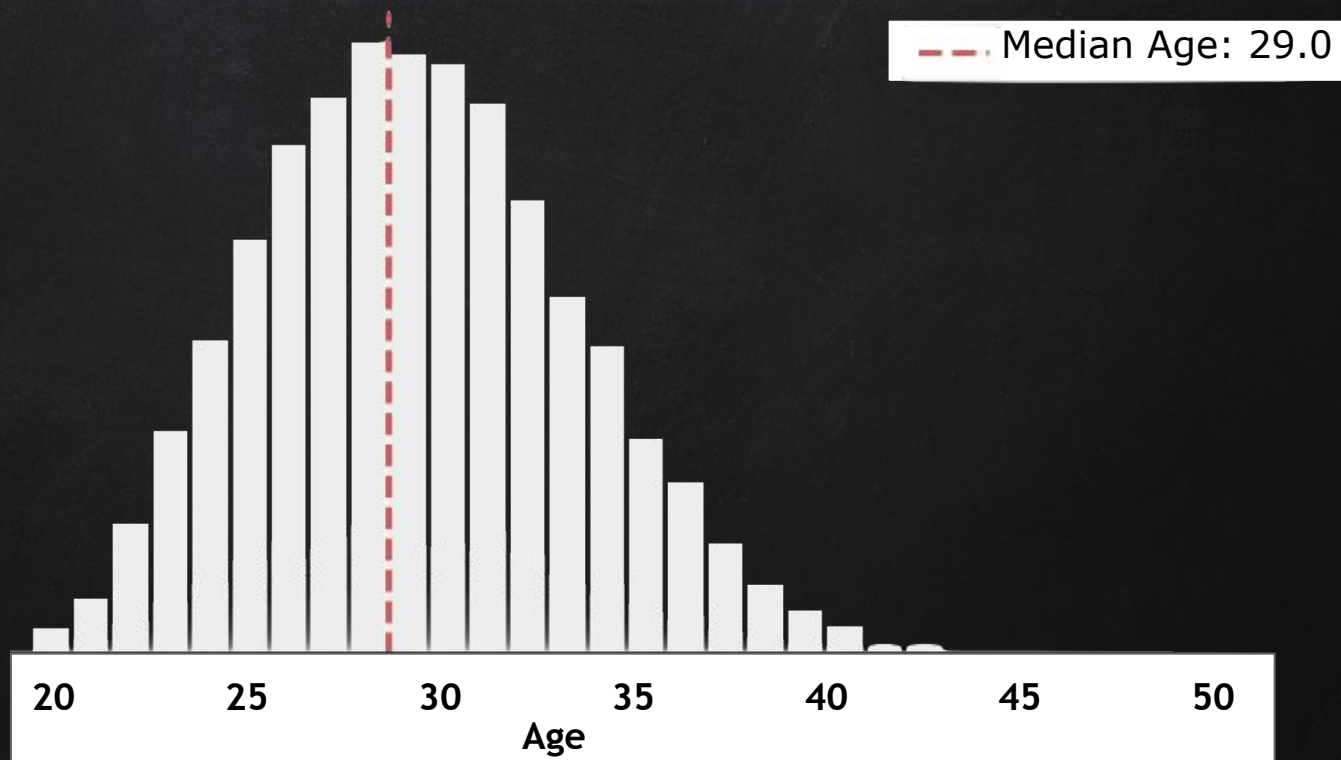
FIGHTER AGES



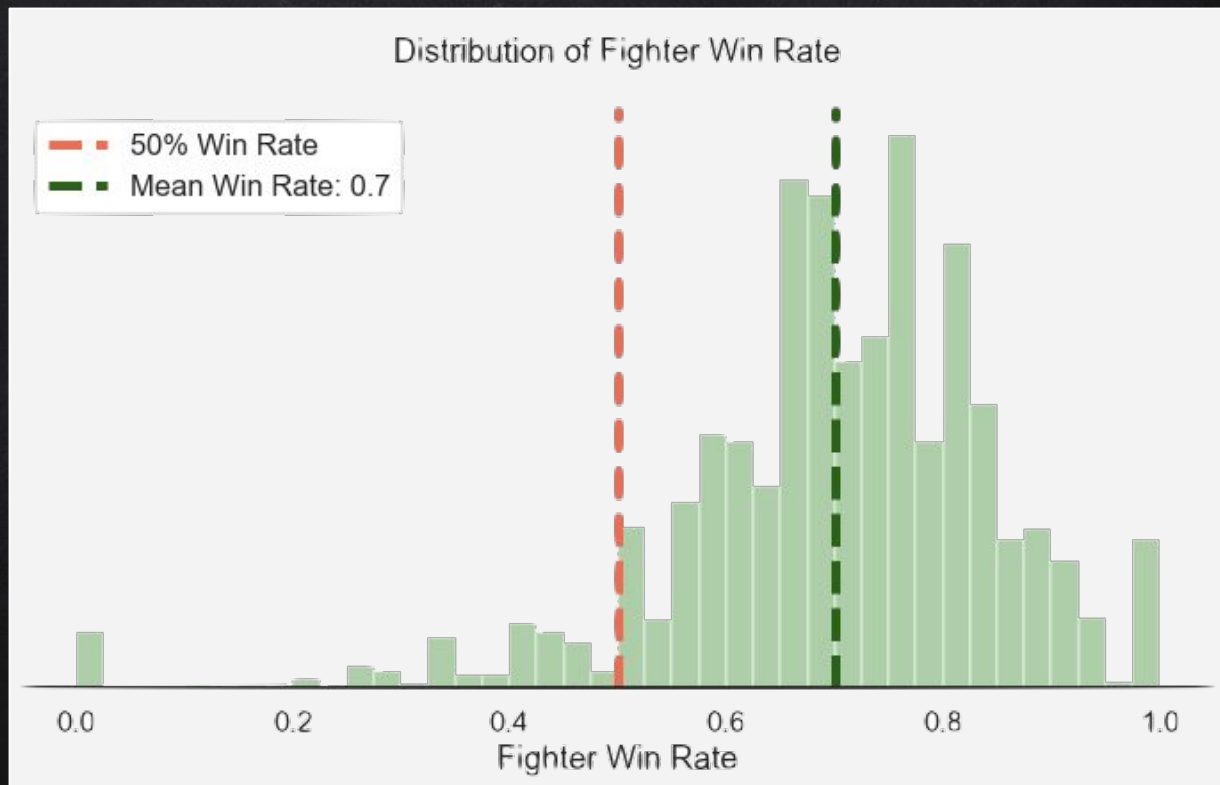
FIGHTER STANCE



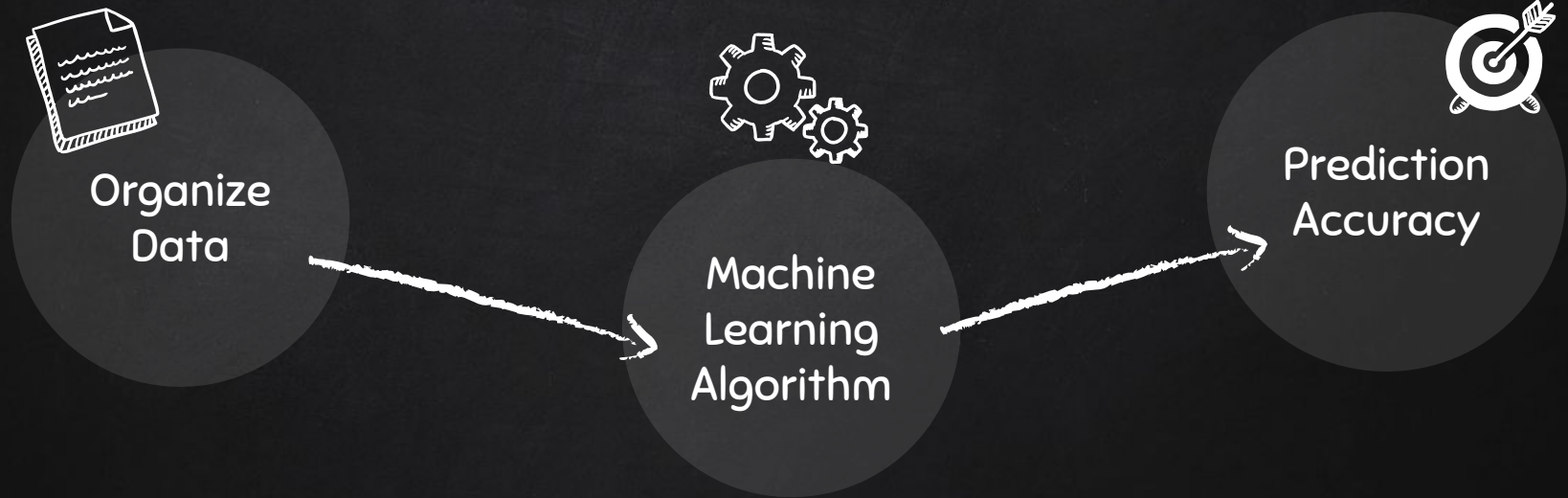
FIGHTER AGES



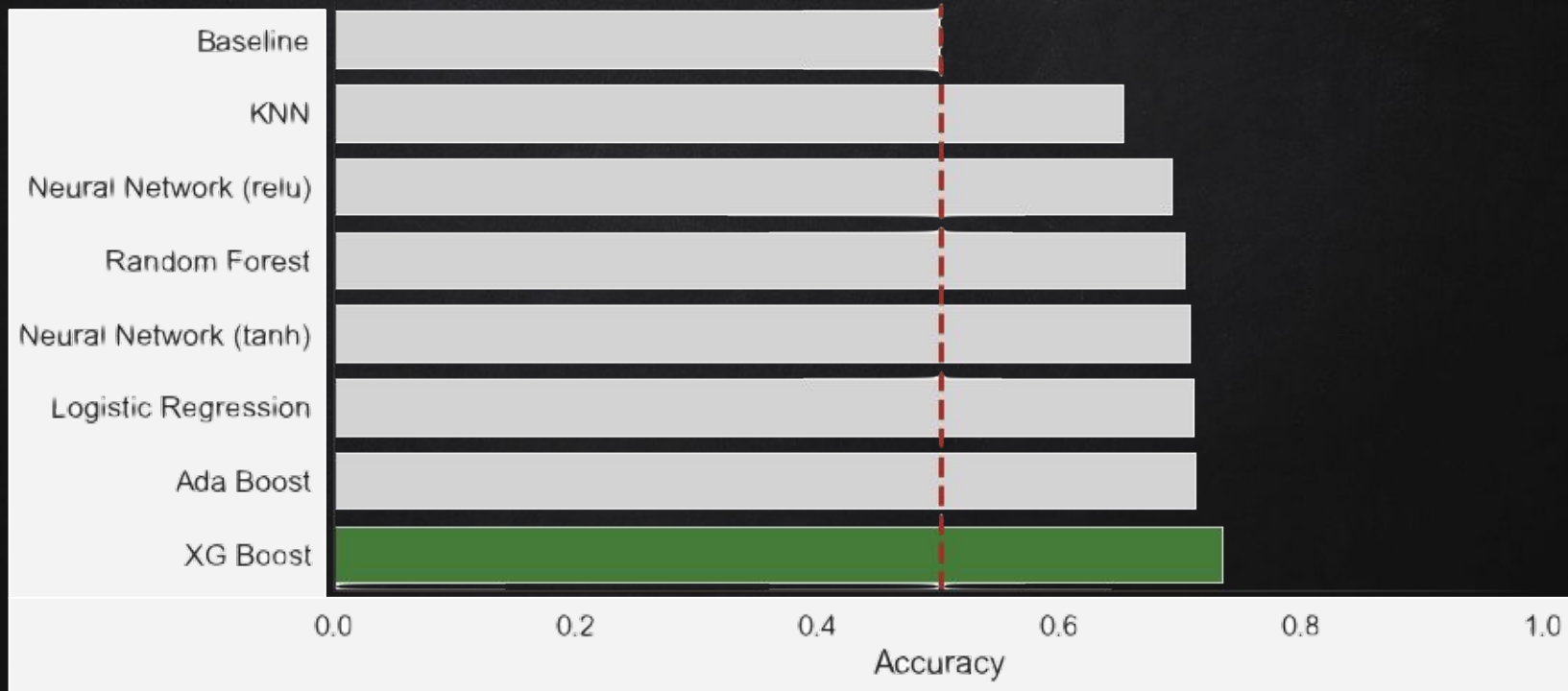
HIGH WIN RATES



COMPARE ML MODELS



XG BOOST HIGHEST





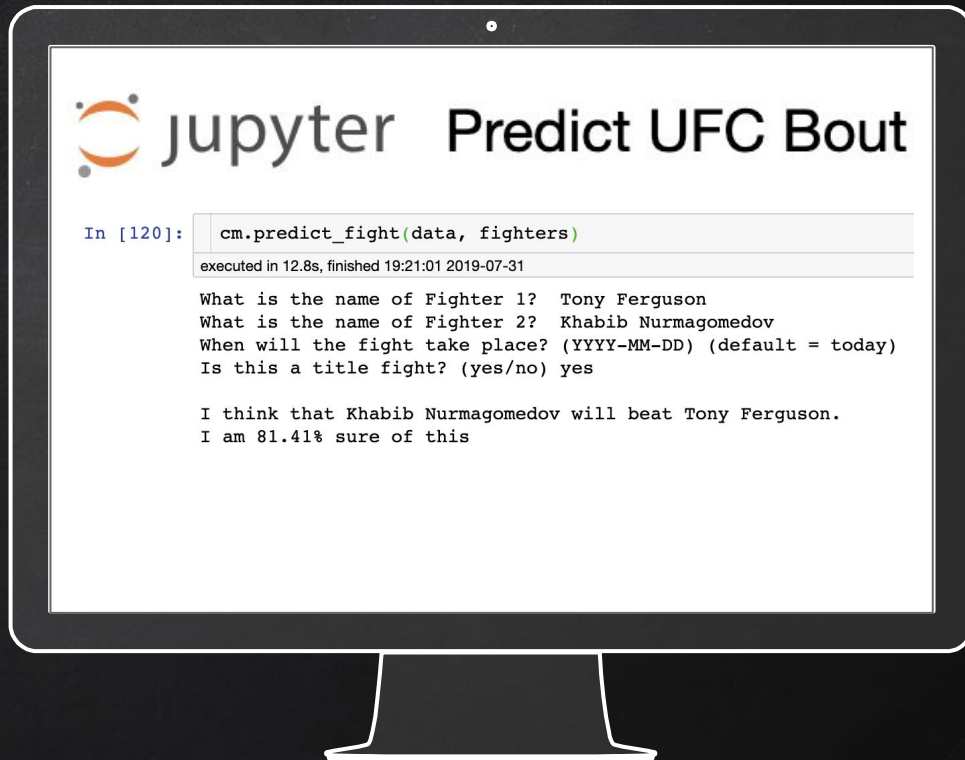
MOST INFLUENTIAL STATISTICS



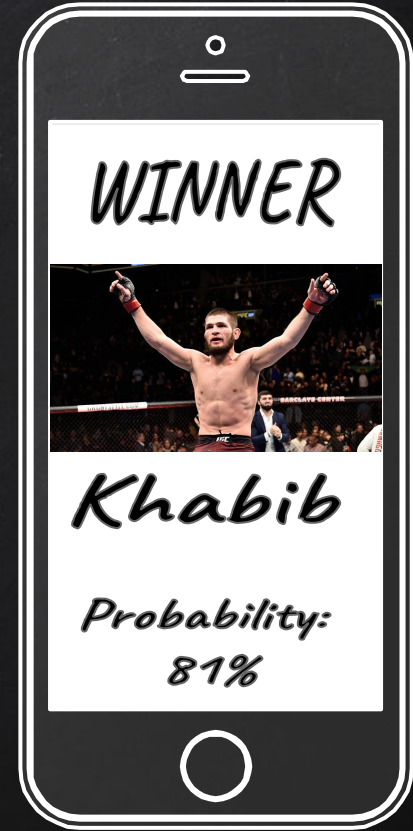
USING THE FUNCTION



USING THE FUNCTION



FUTURE WORK





THANKS!

Any questions?

You can find me at
Github: [AdamBlomfield](#)
Linkedin: [adam-blomfield](#)
blomfield.adam@gmail.com

CREDITS

Special thanks to all the people who provided these awesome resources:

- ✕ Flatiron Data Science Bootcamp
- ✕ Data from FightMetric
- ✕ Presentation template by SlidesCarnival
- ✕ Images from UFC