Reddit Classification Cycling Posts

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Questions

- Can a model classify mountain biking and road cycling post?
- Is it better than guessing the majority class?

Traditional

Tech



















Cycling Industry Estimated Value 6.2 Billion Dollars

Sub Reddits

Velo

https://www.reddit.com/search/?q=velo

your place for competitive amateur racing discussion & information!

MTB

https://www.reddit.com/r/MTB/

A cycling community enthusiastic about mountain biking and all things related.

Models

Logistic Regresson

- Train Accuracy Score 0.893
- Test Accuracy Score 0.887

Multinomial Naive Bayes

- Train Accuracy Score 0.888
- Test Accuracy Score 0.880

Random Forest

- Train Accuracy Score 0.876
- Test Accuracy Score 0.858

Null vs Model

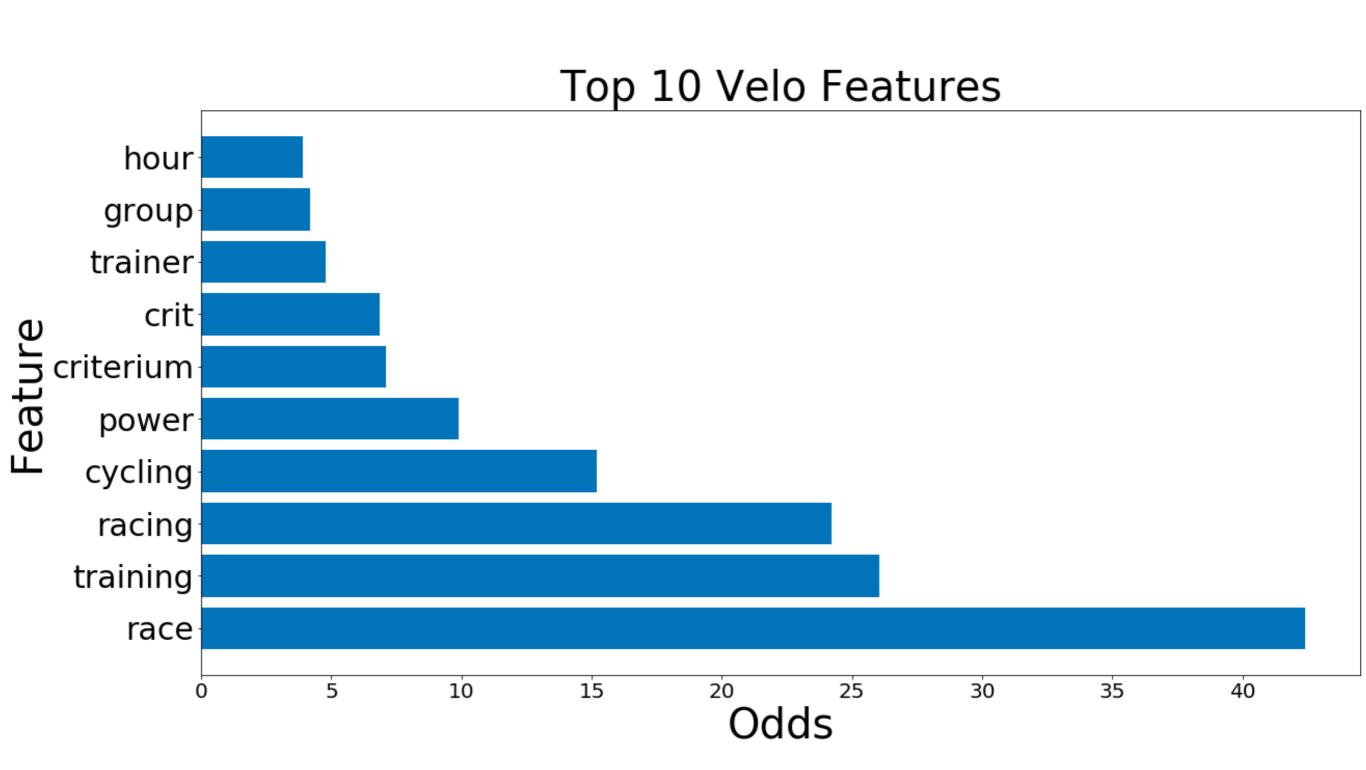
Null

Accuracy Score 0.519

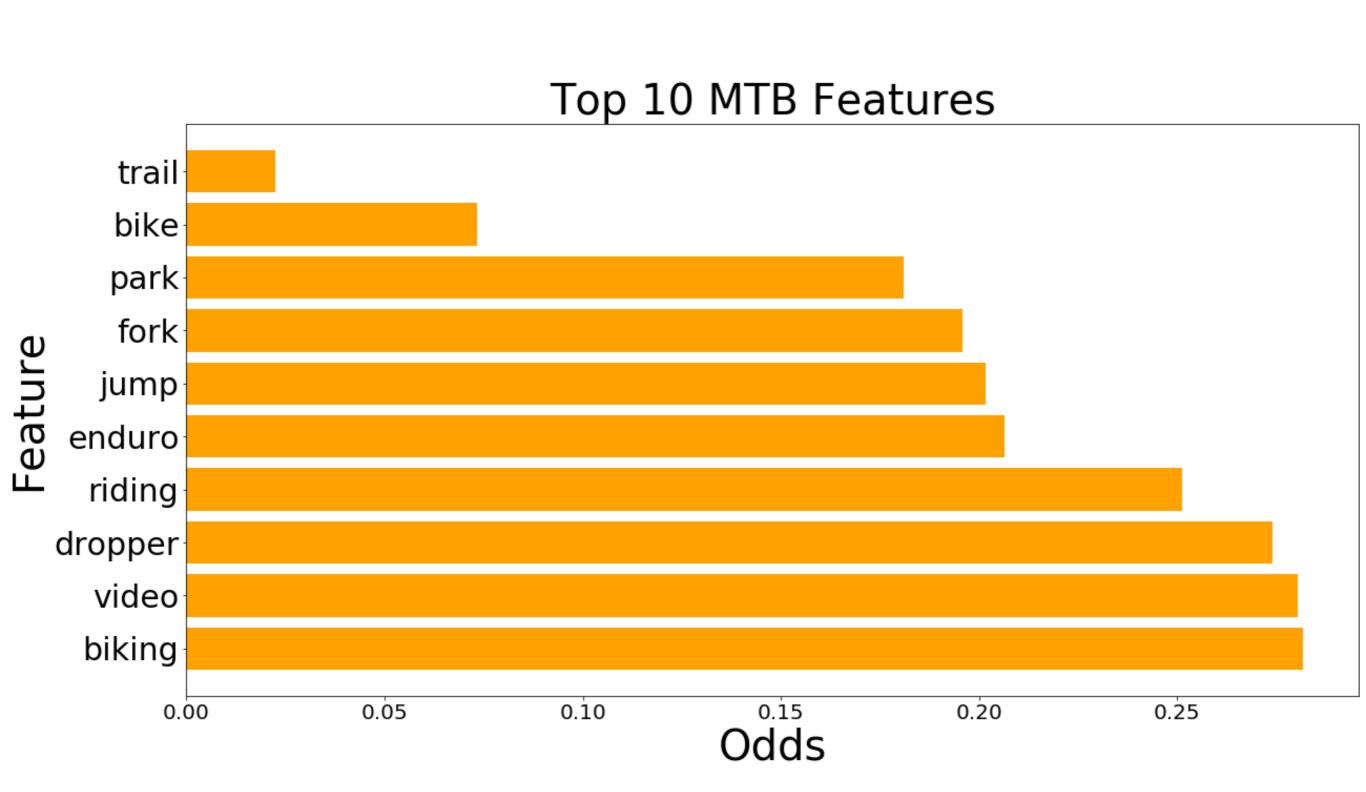
Logistic Regresson

Test Accuracy Score 0.887

Top Words for Road



Top Words for Mountain



Classification

PRED MTB

PRED VELO

ACTUAL MTB

190

27

ACTUAL VELO

24

210

Metrics

Sesitivity

0.90

Specificity

88.0

Precision

88.0

Misclass

0.11



Questions



https://en.wikipedia.org/wiki/Sam_Hill_(cyclist)