

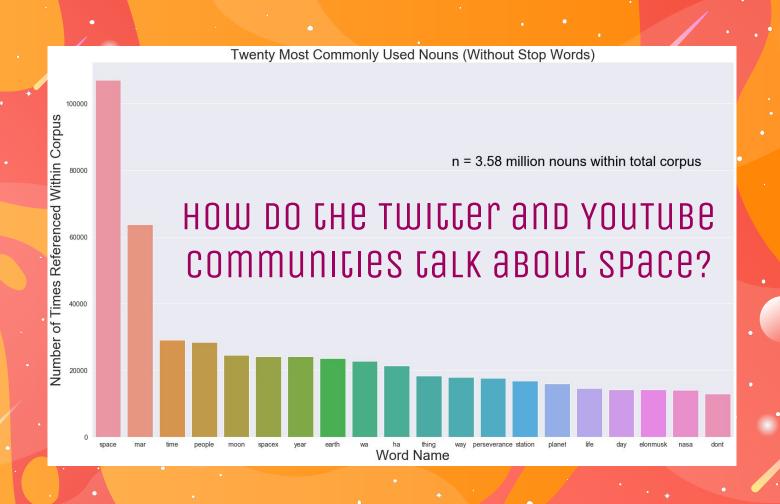
Fennec Nightingale + Matthew Lipman April 23, 2021



BUSINESS PROBLEM

"It's a fixer upper of a planet, but we can make it work."

-ELON MUSK •

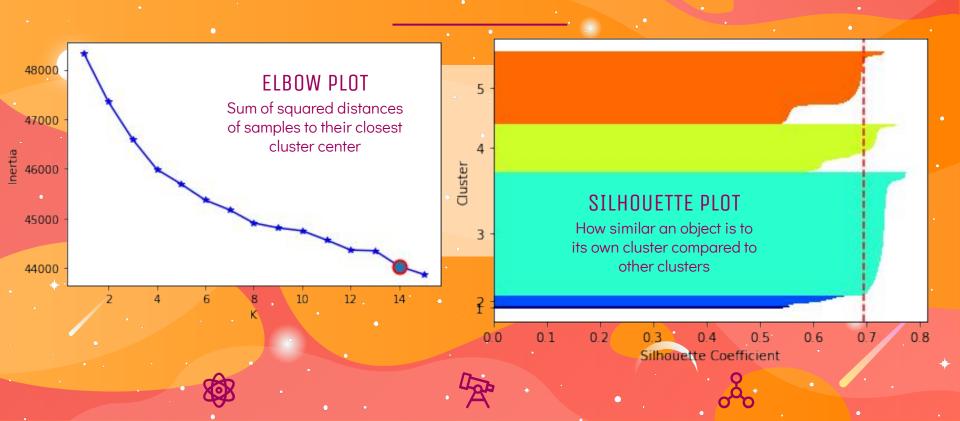


METHODOLOGY

01 ___ pata collection 03 __ clusterization 02 __ preprocessing 04 __ modeling

THE RESULCS: FINDING THE RIGHT CLUSTERS

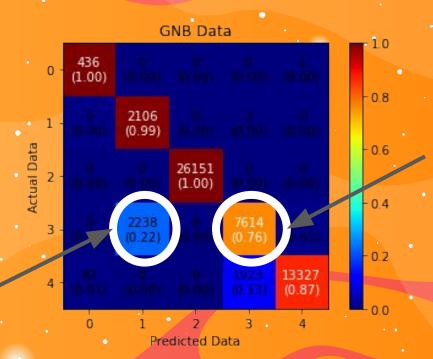




THE RESULTS: MODELING

CLUSTERS 0,1,2
ACCUrace!

FALSE NEGATIVES / FALSE POSITIVES

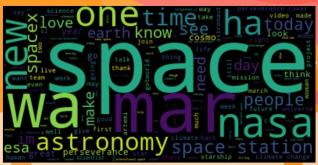


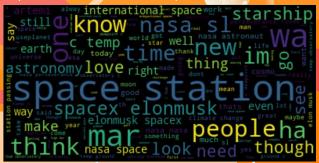
76% CORRECTLY CLASSIFIED

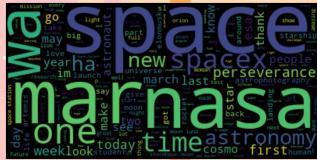
ACCURACY = (False Positives + False Negatives)/Total*100% = 92% *

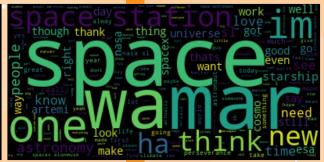
our reccomendations











LEVERAGE SPACE

Space is commonly found within the discourse, but in congruence with other words will add significance

PARTNER WITH THE BEST

Institutions like NASA and SpaeX not only have scientific headway, but they have built reputations.

EVOKE EMOTION

The power building an emotional response adds tremendous value to your marketing capabilities

Future work



incorporate more PLacforms

- Reddit
- Facebook
 - Instagram









time series analysis

- Looking at change of space sentiment after major events
- Long term study of how specific words have changed in sentiment

THank You!

Please do not hesitate to reach out to request any additional information.

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www.github.com/Fennecnightingale/space-hospitality

APPENDIX

Training Accuracy Score: 92.32000000000001 Training Precision Score : [0.99390345 0.80843589 1. Training Recall Score : [0.99843064 0.99823926 1.

Training F1 Score : [0.9961619 0.89336751 1.

0.85376908 0.98553626] 0.75230938 0.8667815] 0.79983451 0.92235211]

Training residual count:

- 18617

Testing Accuracy Score: 91.91

Testing Precision Score : [0.82732448 0.48480663 1. Testing Recall Score : [0.99771167 0.99480397 1.

Testing F1 Score : [0.90456432 0.65191147 1.

0.79819688 0.99144473] 0.76399759 0.86922776] 0.78072289 0.92632237]

Testing residual count:

49634

2240

Testing R2 Score: 0.7479017913768848 Testing R2 Score: 0.8799230883065321 Cross validated model accuracy:

Testing:

0.96 with a standard deviation of 0.00

Training:

0.92 with a standard deviation of 0.00

Testing R2 Score: 0.7479017913768848 Testing R2 Score: 0.8799230883065321



