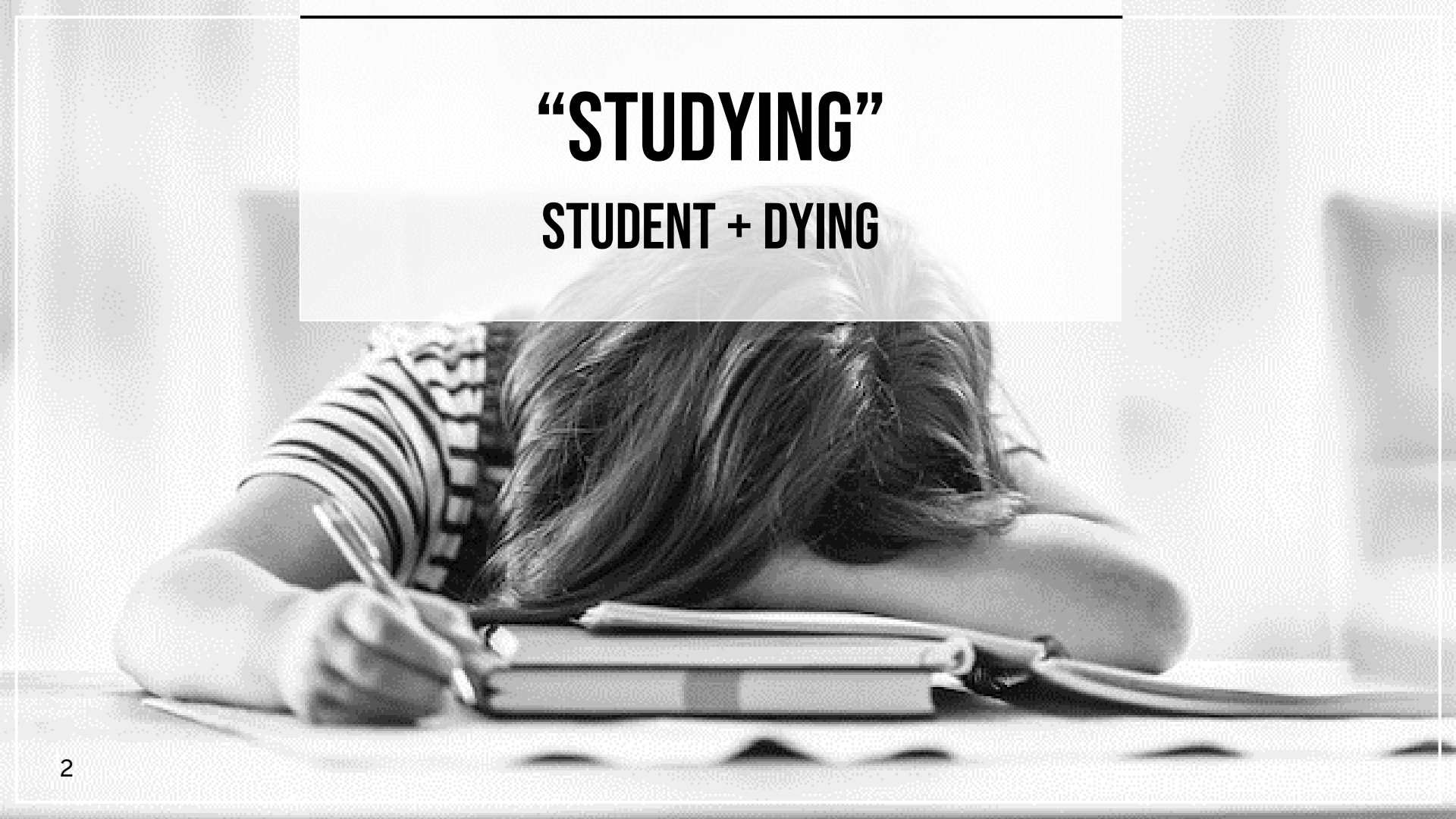
NATURAL LANGUAGE PROCESSING

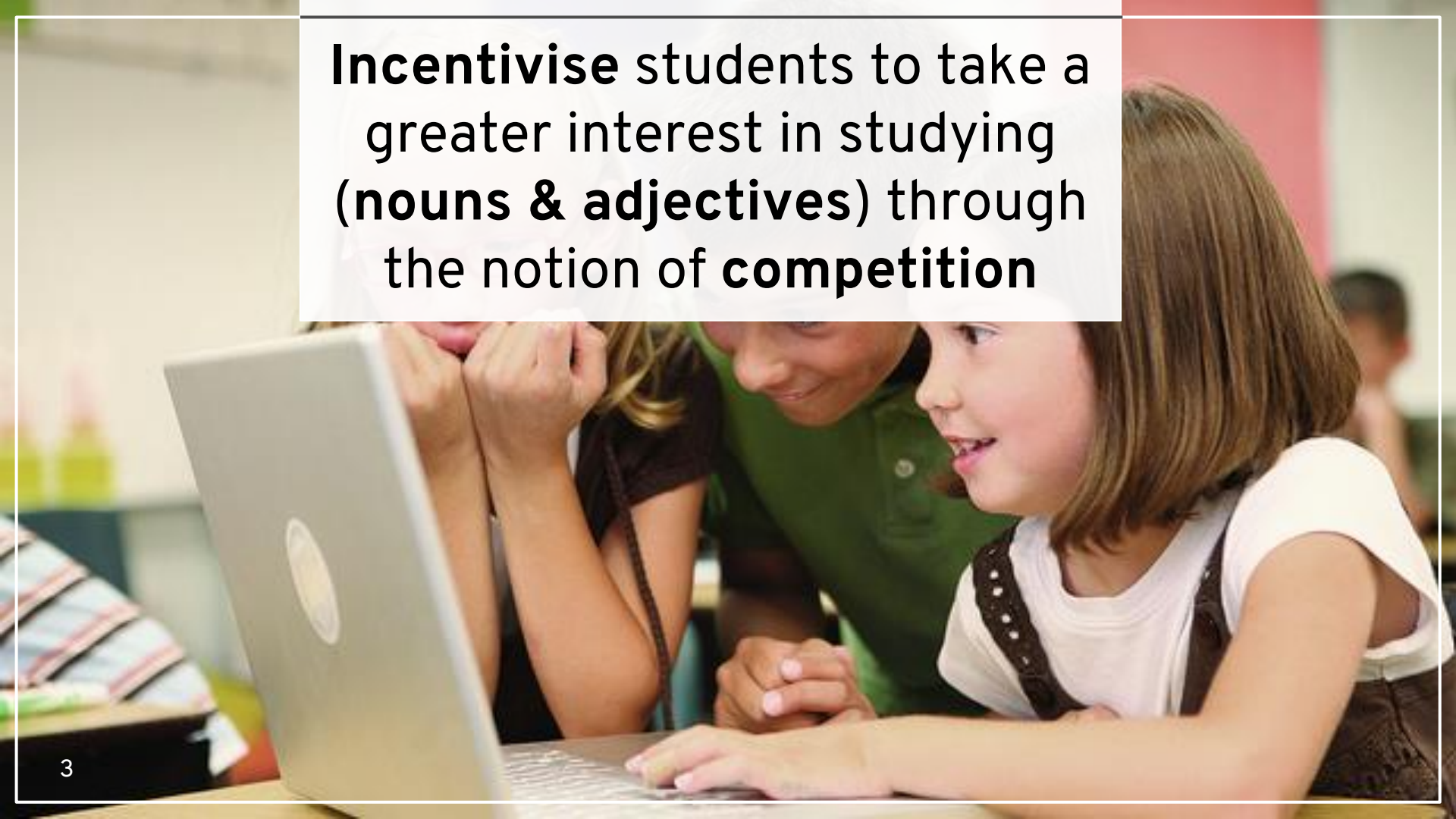
NOUNS VS ADJECTIVES

18th March 2023

“STUDYING”

STUDENT + DYING





Incentivise students to take a greater interest in studying (**nouns & adjectives**) through the notion of **competition**

NOUNS

PLACES

PEOPLE

NOUNS

ANIMALS

THINGS

Adjectives are words that *describe* nouns.

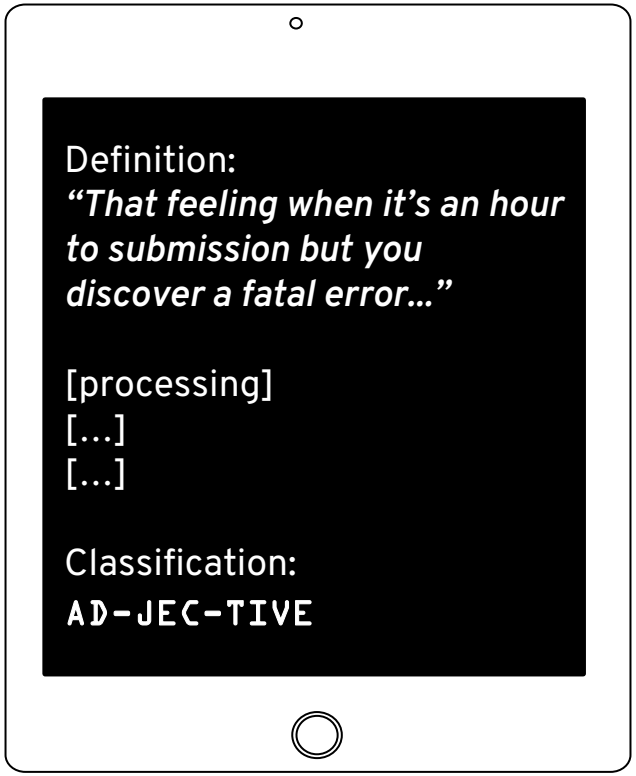
PRINCIPAL

NOUN

“Oh no! The principal is coming!”

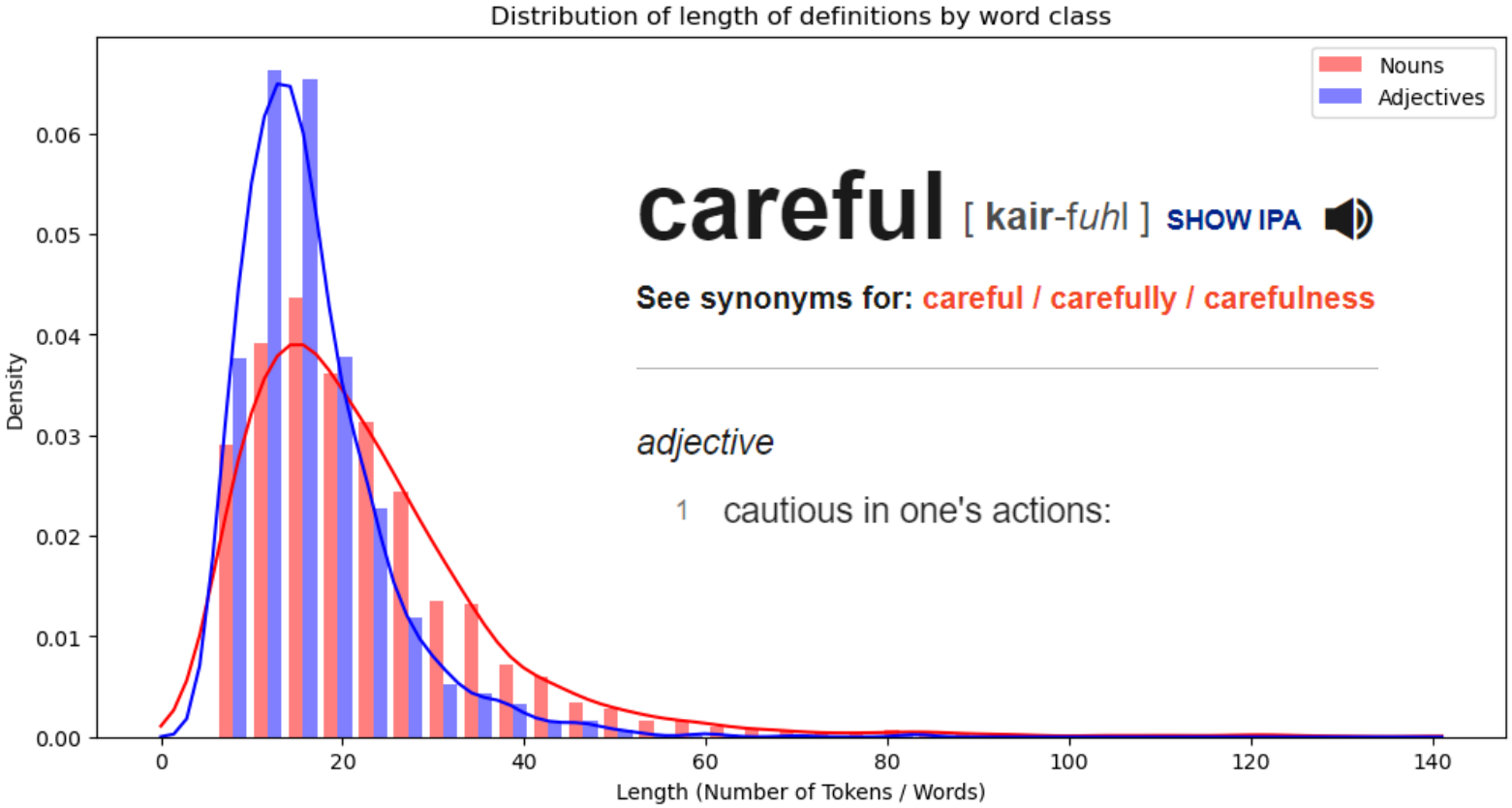
ADJECTIVE

“Oh no! I still have to pay off the principal loan amount!”



WHAT DOES THE MODEL DO?

LENGTH OF DEFINITIONS



“PETER, FETCH!”

“PETER, FETCH!”
punctuation

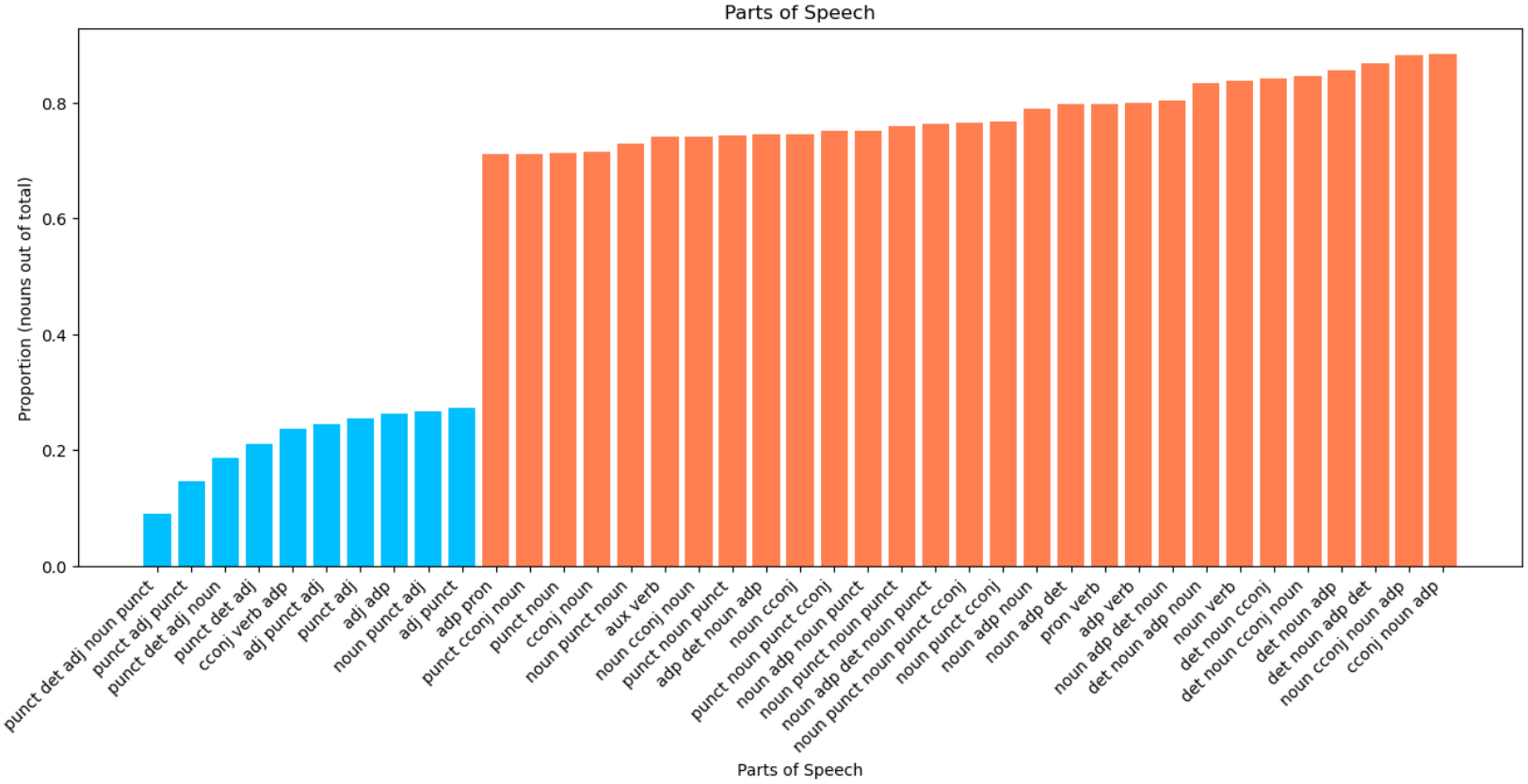
“PETER, FETCH!”
proper noun

“PETER, FETCH!”
verb

“PETER, FETCH!”

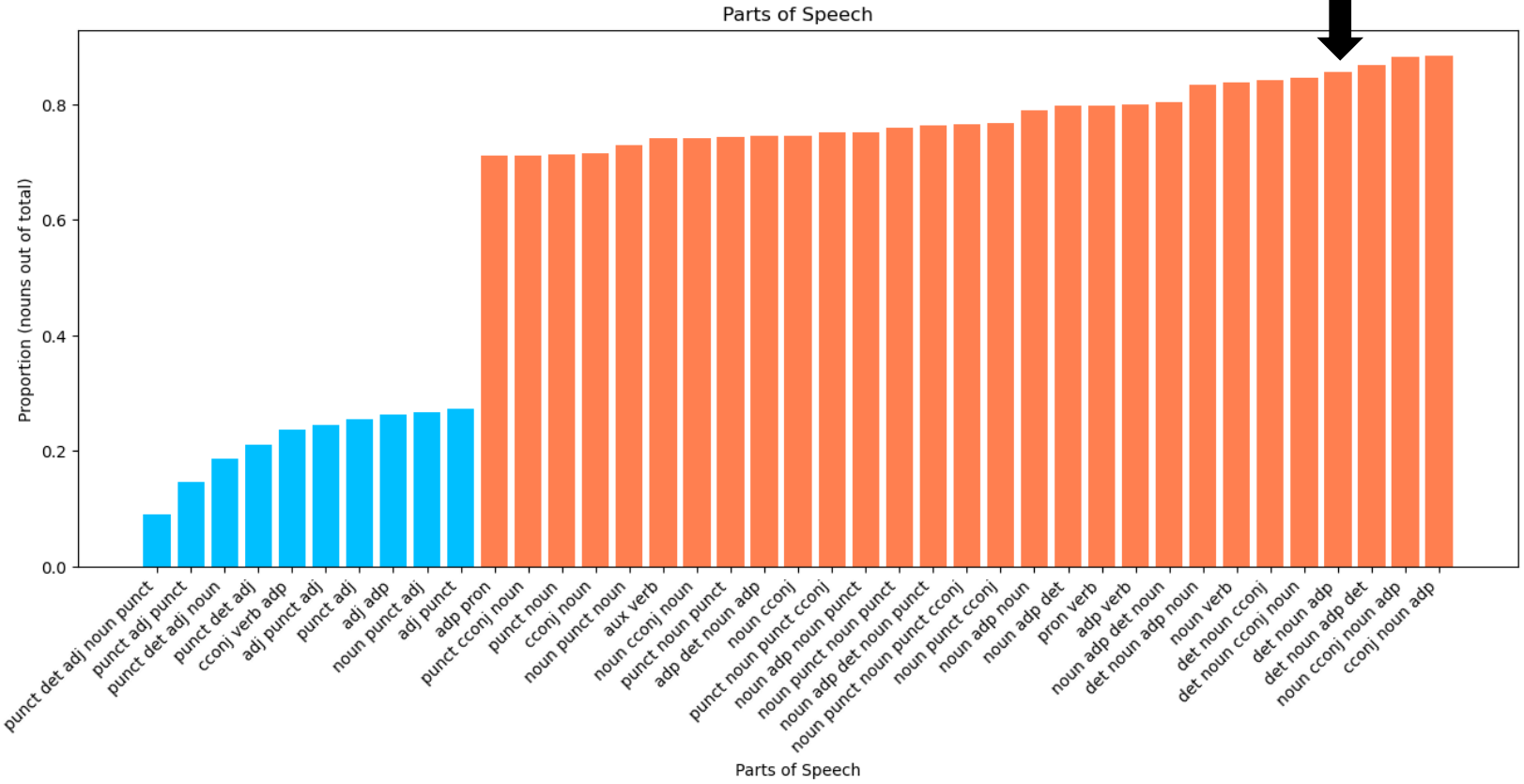
punctuation proper noun punctuation verb punctuation punctuation

PARTS OF SPEECH



KEY FEATURES (NOUNS)

PARTS OF SPEECH

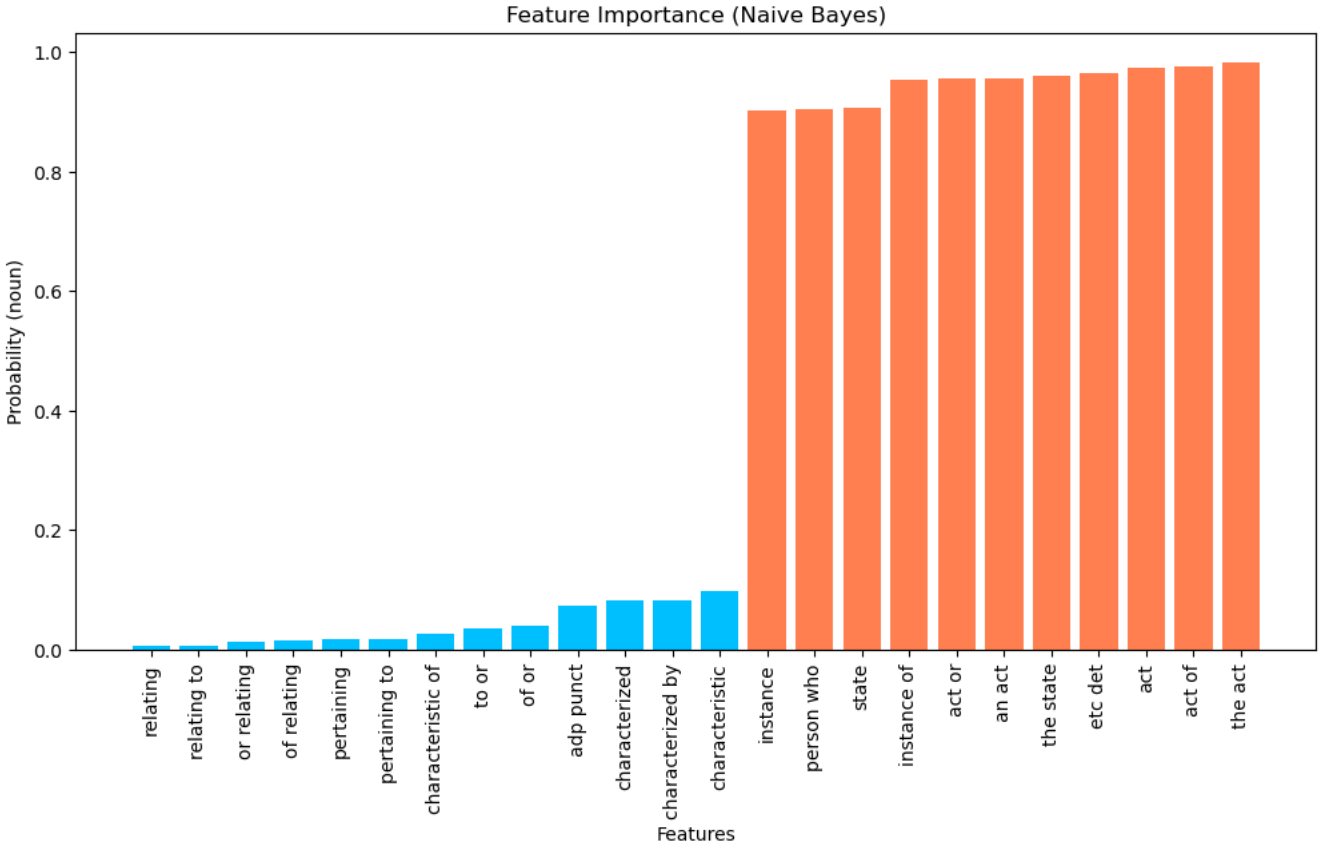


KEY FEATURES (AJDECTIVES)

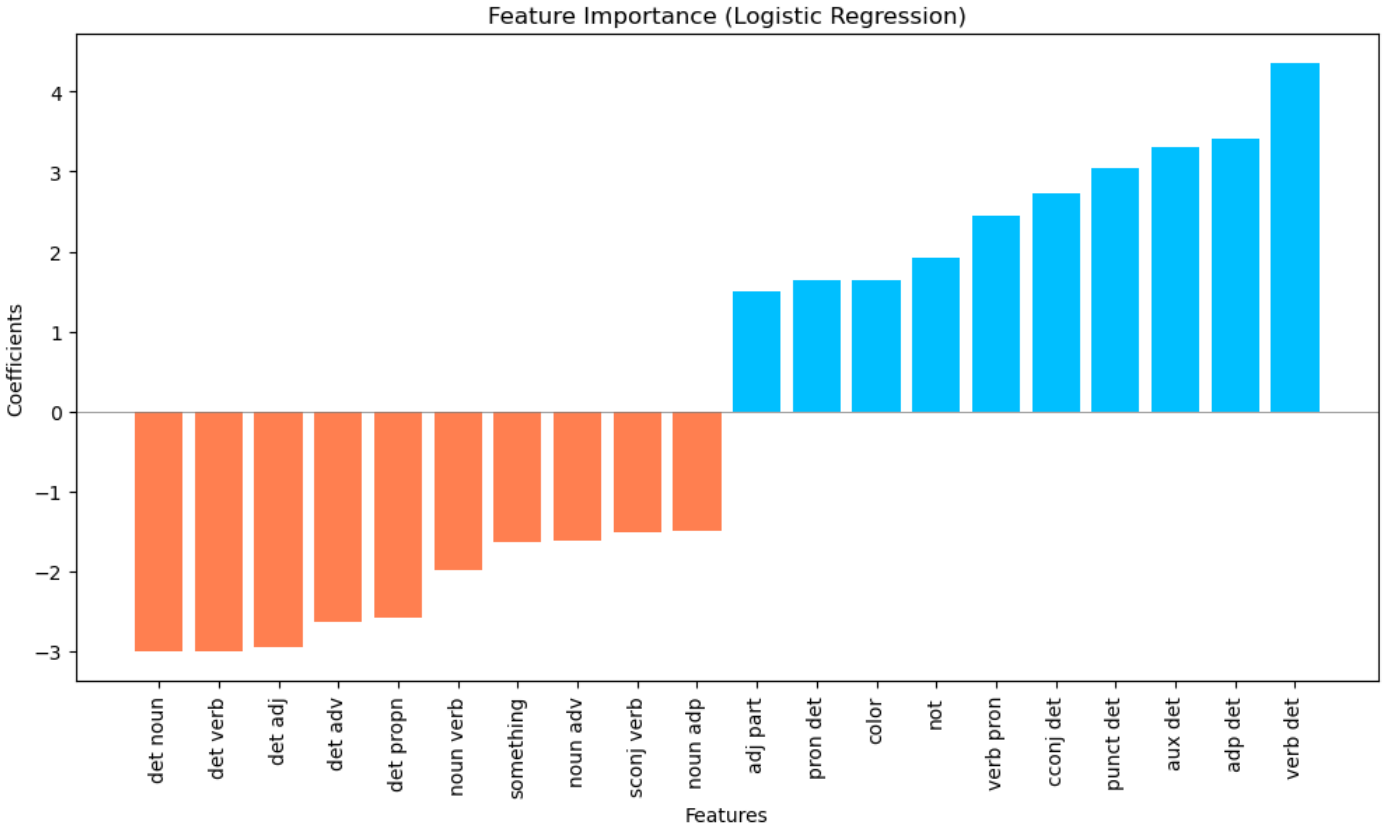
NAÏVE BAYES VS LOGISTIC REGRESSION

	Naïve Bayes	Logistic Regression
Accuracy (train)	0.91	0.98
Accuracy (test)	0.9	0.96
Specificity	0.91	0.96
Recall	0.89	0.95
Precision	0.91	0.96
F1	0.9	0.95

NB: PROBABILITIES



LR: COEFFICIENTS



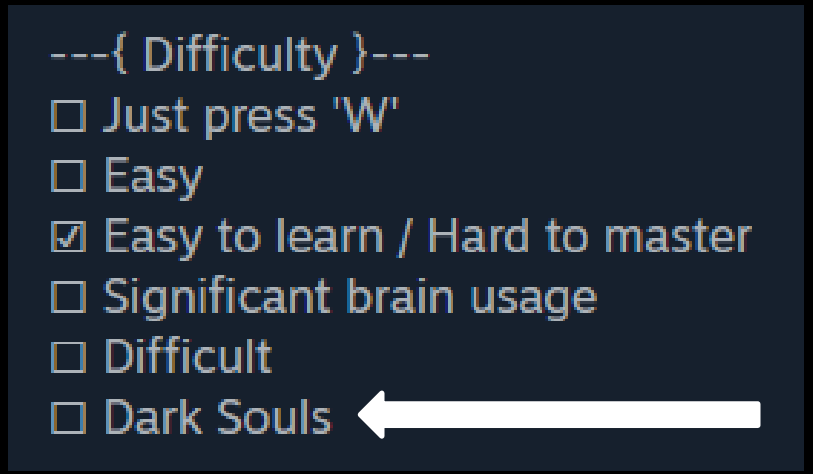
MODEL APPLICATIONS

“BEST OUT OF 10?”

Models never whine when they lose!

CONTEXTUAL CLUES

Models can do your homework for you!


---{ Difficulty }---
☐ Just press 'W'
☐ Easy
☑ Easy to learn / Hard to master
☐ Significant brain usage
☐ Difficult
☐ Dark Souls

MODEL APPLICATIONS

“BEST OUT OF 10?”

Models never whine when they lose!

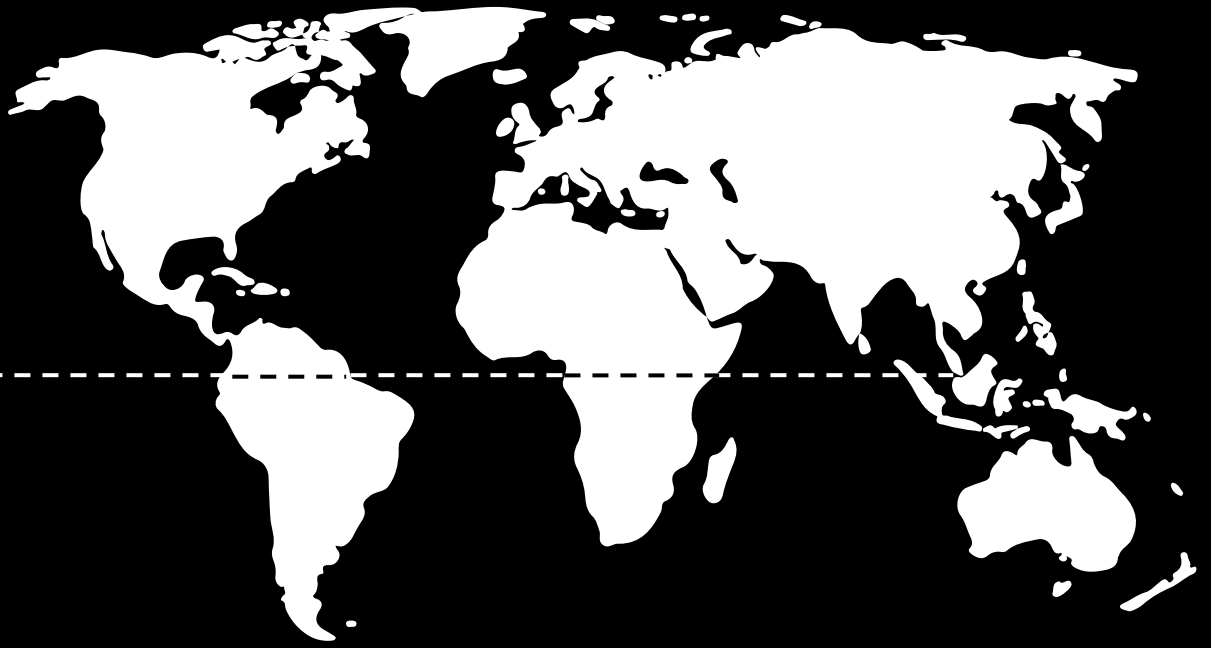
CONTEXTUAL CLUES

Models can do your homework for you!

ACCURACY ‘TUNING’

Models can boost your self-esteem!

WHAT'S NEXT?

"I may be small, but I make my presence known."

- Every chihuahua