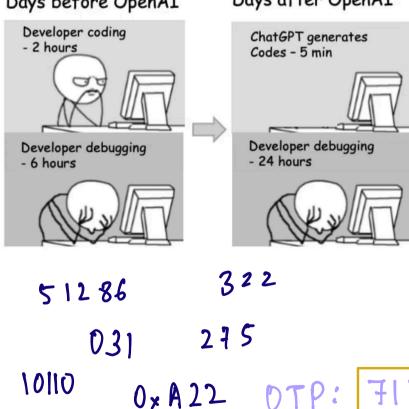
February 4, 2023

DSML: CC Fundamentals

Introduction to NLTK

It doesn't really understand what it's talking about and is not capable of generating new ideas or making hard decisions. It sounds coherent and vaguely insightful, but all it really does Days after OpenAI Days before OpenAI is try to sound smart by rephrasing the question its asked."



Knowledge workers:

"ChatGPT can't replace knowledge workers.



b. 16/d {4} 16

Motivation:

Text

"He won by scoring a century"

"He won the election by securing a 51%. vote share"

"Sehwag managed to secure India's victory by searing the most hus

Images

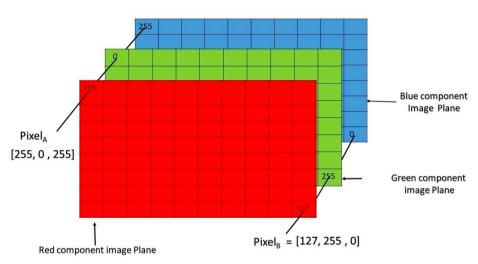






Motivation: Computer Representation.

str?
int?
float?
bool?
numpy array?



Pixel of an RGB image are formed from the corresponding pixel of the three component images

Goal: Machine hearning, Optimization.

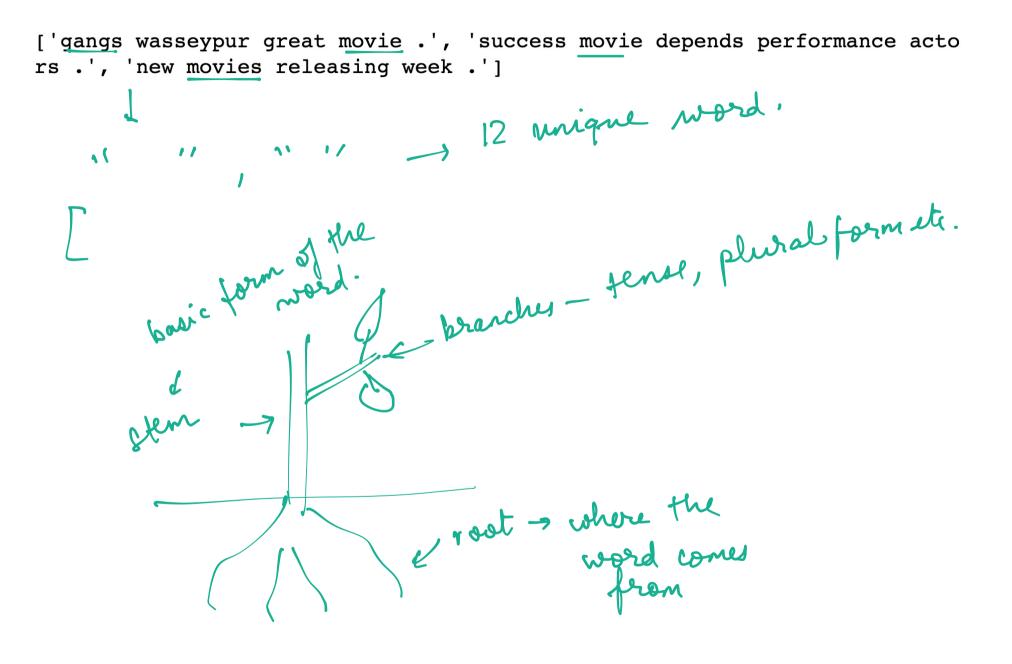
Fundamental challenge: Make matrices or vectors out of fent!! Tokenization: Convert a sentence into component words.

"Bag of words"

Tent (Book, Novel, Article etc.)

Alia" "wordulard". - --

1 Identify all
the unique
words in the
dext -> ""
nuique words.



" cosine Similarity"

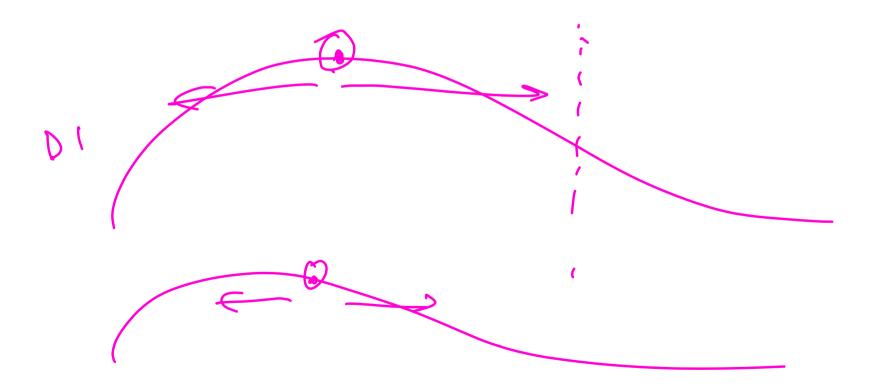
Cos (θ_2)

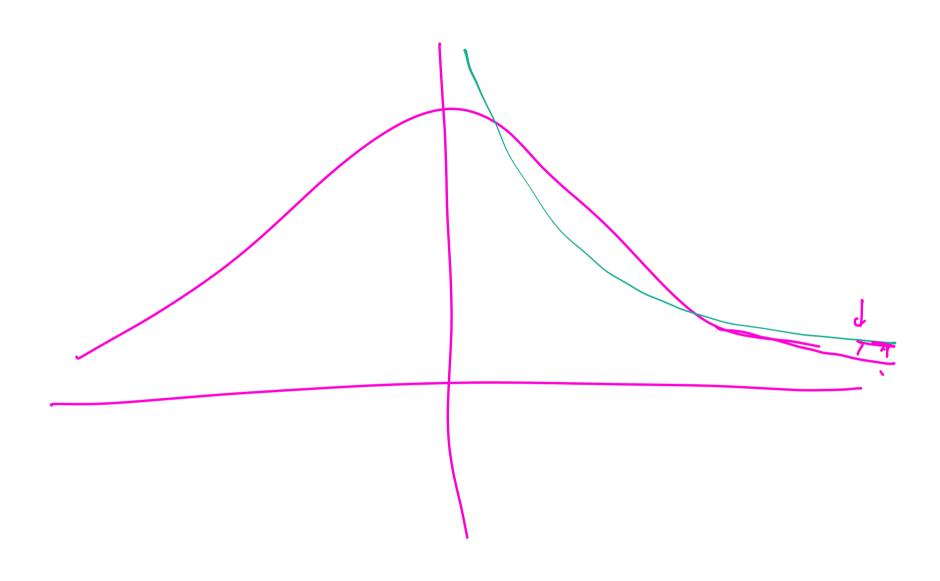
Cosine pinilæity

Cosine pinilæity

Detroenv 1 2 v 2. $\cos(\theta_3) \rightarrow conint fy$ $cos(\theta_3) \rightarrow conint fy$ conint fy conint fy detrien v | 2v > 3 detrien v | 2v > 3 $||\overline{v}_1|| \cdot ||\overline{v}_2||$

[2,3,1,5,4]





Parametric test -> Assumes pur know the parameters of the "population" data.

Non-parametric test > opposite.

P =

You are appointed as a Data Analyst for a training program deployed by the Government of India. The participants' skills were tested before and after the training using some metrics on a scale of 10. before = [2.45, 0.69, 1.80, 2.80, 0.07, 1.67, 2.93, 0.47, 1.45, 1.34] after = [7.71, 2.17, 5.65, 8.79, 0.23, 5.23, 9.19, 1.49, 4.56, 4.20] Conduct paired t-test and answer the below questions accordingly.

re before, after +ve: _ after, before

paired > 2+aiked .

left/right.

* use same dataset to (maybe loan · csv)

-5.8. -5.8.

different explain, H.T. types.