NLP - Natural Language processing

Agenda:

- 2 Application Of NLP
- 3 Various NLP Tasks
- (9 What is Language
- 6 Approches to NLP

There was a tiger. He was very cruel in his youth. He was a maneater. In his old age, he became very weak. He could no longer hunt down any animal. So he suffered much for want of food. ad a gold bangle in his possession. He sat in an open place in the forest with that bangle.

Tomonnows Agenta; (Practical)

- 1) Text preprocessing Technique
- 2) Text represtation
- 3 word embeddings

NLP pipeline

1) Data Acquisition:

-> Available Data (CSV, TX+, PDF, XLS)

> others but (DB, Internet, API, Scarping)

> No data (creete your own data)

Note: If you have loss data then we water Augmentation

-> resplace with synonyms

I am a Al Engineer K

-> biagram flip exp: 1 I am Bappy V 1 Barry is my name

- > back transilate
- -> add Additional noise

exp: I am a Duda scientist, I love this Job + exta

- @ Text prepuration;
 - O cleanup: HTML Tays, emasi, spelling connection
 - 1 Basic preprocessing
 - (11) Advance preprocessing

Basic preprocessing * Totenization - sentense

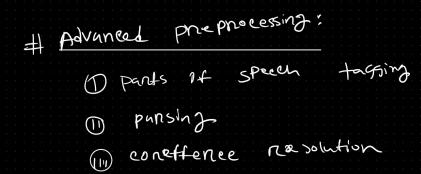
* optional steps,

- O stop wond remark
- @ stemming 1215 we
- 3 Knodization good
- (12\$)
- 6 language Defection

I am Barry. I am a PS ist = [] and Bapoy 1.st = [I am Bapra;]

I law Burg





- 3 Easture Enoinearthy

 Text Vectorization

 TFIDE, Bog it wond, BOD, pre Hot, wond to vec

 TFIDE, Bog it wond, BOD, pre Hot, wond to vec
- Modelling

 D Hunistie

 D ML

 D DL

 Cloud API (ANS, GEP, AZUTZE) -> paid one
- Evaluation. I test acuricy, p. R. FI, Anc., confidents

 Lest acuricy, p. R. FI, Anc., confident

 Lest acuricy, p. R. FI
 - 6 Deployment

common terms; Decement (one row)

(2) Word (simle word)

Harrison was in fact a scion of the Virginia planter aristocracy. He was born at Berkeley in 1773. He studied TU classics and history at Hampden-Sydney College, then began the study of medicine in Richmond.

SD.