Jext Preparation (NLP) Lecture 13

Introduction

Acquisition/

Preprocessing

1) Lowercasing

-> Whenever you get text, in that step you bring it to lover one e.g.
"Condition of the our is very good, provided that the condition of such old cars."

-> Potton language is case-sensitive

dfl...]lover

2). Remove Unrecessory (cg. 147ML tops, purctuation).

-> By using begen limport be)

3). Remove URL'S

-) if not needed.

METERS: & METER, WWW.

4). Remove Punctuations

- We remove these for tokenization.

Buddy! What's up? => Buddy: whate up

-) In python, import string or for big data use boarslate.

Chat Word Foodment

-) Men board, where words are being shortened.

-> Asop

-> Lo1

-> Imaa

Stellind Course Fior

-) By using different libecties such as textiblob.

Kemoning Stop Words

Denspective. However you don't do it in Pos tagging.

L'ese sentence formation words are removed.

-) There are libraries, one such is NHTE NITK.

Handling 12moji's

-> Either Remove

-> 00 replace (@ == happy)

-> Each engi has unique identifier (4000024EE)

-) In Rython impost emoji.

lokenization

- 1's breaching of your text data, into smaller parts. This is speake. You fall here

- word here tokenization

[This; is sperte - ~]

-> Sentence level tokenization

[This is spenta, you fell Here,]

-> & am new in new delhi but connect is

3 9 am new in new delhi

-> So one should bake care of, Prefix, Suffix, Infix (co-operation), Exceptions (let's)

-> on Python 1). Split() - on word level split() - on sentence level

Ave you going to perhauser? I am not. -) on full stop whole two sentences

- 2) Regular Expressions (import re)
- 3) Libraries Ly NLTK
- w) The best is spay.

-> In grammer, inflection is word modification to express different grammatical categories such as Ense case, espect, voice, person numbers, gerder do -> undoable Eg. Walk Walking

Walles

-) Stemming 1s process to reduce inflection in rounds to their roots. Important in IR (Information Retaievel) 8/18/2012.

eg. In google search (fish, fishy, fishnet) will show images welched to fish.

(4)