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| | Or, Vishwanath Karisd |
| meen wantanin | MIT WORLD PEACE |
| | And the last of th |
| MIT-WPU | UNIVERSITY |
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Cognitive Computing Natural Language Processing

Assignment No. 1

Problem Statement: Program to red a paragraph from a text file. Print the paragraph ofter moving the stop words. I dentify Pos is of each word in the paragraph.

Objective: 1) To study and explore NLTR for text processing 2) To learn concepts text processing in NLP

Tohenization: It is a way of superating a pieces of text into smaller units called tohins. Tohin, can either be words, character, and or subcoords.

| | Stemming: It is the prows of reducing a word |
|-----------|--|
| | to its word stim that affixes to |
| | Suffixer and pufixer or to the roots |
| | I woods everels renow as a Cemma. |
| | de de la communicación de |
| | |
| d que par | Lemmatization: Usually refer to doing thing, properly |
| | with the use of a vocabolary and - |
| | morphological analysis of words, |
| | normally aiming to nonove inflat |
| | influctional endings only and to |
| | nturn the ban form of the word. |
| | |
| | Pos tagging: PCs tagging restor to the process of |
| | identifying the court of said to |
| | for a word. |
| 11. 9.11 | A miles and the state of the st |
| | Star control - 11 - 1 |
| | Stop worterds removal: It is the process of newvirg |
| | the words that can and |
| 1 | might not hold significal |
| | bearing to the sentence. |
| | Walles stome vallenge wint and |
| | |

| | Bay of Words model: It is a method of extracting |
|-----------|--|
| | Bay of Words model: It is a method of extracting features from text for un in modeling, such as muching |
| | in modeling, such as muching |
| | Learning algorithm. |
| | |
| | Example: |
| | Bay: ["it" "was" "thi" "bost" "of" "time," "age" "worst" |
| | |
| | A marine to the second |
| | Sintina: "Ib was the best of times": [1111100] 2 Bag Entries |
| | Sinting: "It was the best of times": [1111100] } Bag Entries "It was the worst of times": [11101010] |
| | WITH THE RESIDENCE OF THE PARTY |
| net l | COLUMN TO THE PARTY OF THE PART |
| * | NLTK Modules: |
| | 1) Corpora: A pachage containing modules of |
| | example tixt |
| et al. | 2) Tohinize: Sapirah text strings |
| | 3) Stem! Stim word of text |
| - Barrery | 4) Chunh! I dunify short non-nutral phran |
| | 5) Cluster: Clustering algorithm |
| | 6) tay: Und for Pos tayging |
| | |
| | |
| | |
| | |
| | |



| | PP.+1 7 |
|----|--|
| | Platform: Jupyter Nothbook Input: Text / Paragraph in English |
| | outoput: Tohun, Text after removing stop words, |
| | tolun with Pus tay & Styn from text |
| | |
| | |
| | Fac |
| | Overtion 1 |
| | Cours from L |
| => | Stimming algorithm works by cotting off the |
| | into account a list of common words profixes |
| | and soffices that can be found in an |
| | influted word. |
| | Tart days of a second of the s |
| | Limitization, on the other hand, tuhes into |
| | Consideration the morphological analysis of the |
| | words. To do so, it is necessary to have detailed |
| | dictionargies which the algorithm can look |
| | through to link the form back to its |
| | |
| | |
| | |

| Example: |
|--|
| * Stemming (Change) * Lemmatization |
| chang & Change Change |
| change Change Change |
| |
| aucstron 2 |
| Sementi Analysis: It is a process of drawing mean from the text. It allows |
| Competers to understand the |
| Canguage by analyzing their |
| grammatical structure, and |
| identifying relationsphips between |
| individual awards in a |
| pirticular context |
| Syntactic Analysis: It is the process of analyzing |
| natival Canjuage auto the rule |
| of formal grammar Cirammatical |
| rules are applied to actigoris |
| a groups of words. |
| |