

NLP Quiz 1 , 16th August 2018

10 min , 10 Marks

Name :

Roll:

1.Write the formula of Zipf's Law and mention your understanding in one sentence. [1 + 1 =2]

2.Write the regular expression to count all form of the word "IIITD" in a text. (considering it can be written in small case also like iiitd, mention your assumptions if any) [1]

3.Write a regular expression that can detect the sentences ending with words
{groundhog,Groundhog,groundhogs,Groundhogs,woodchuck,Woodchuck,woodchuck,Woodchucks}
[1]

5.Find the count of "Types" and "Tokens" in the following sentence:

India is a developing country so it has the problems like other developing countries [1+1= 2]

Types Count:

Token Count:

6.Mention any 4 data pre-processing techniques taught in class with 1 example of each. (Hints: Stopwords removal is a preprocessing technique.) [4 x .5 =2]

7. In a proper course list prediction challenge, one student's model came up with an answer set of {NLP, IR, ML, SML, AI, RL}. The correct answer set is { NLP, CF, GA, SML, DMG, DSA, SP, AI}

Find out the values of True positive , False Negative , precision and recall of the model prediction. [4 x .5 =2]

True positive:

Precision:

False Negative:

Recall :