HIMA BINDO KROVUIDI LAB-3 (HK4233)

DESCRIPTION OF PEATURES;

Based on trained data I Peature has been

used to initialize.

.... Peatures have been choosen based on frequency, i.e most common occurring words

i) Common coords En english like " which ", "if" "is", "at", "then" ... etc

ii) Dutch alphabets that are unique

ä,ë,i,o,u

iii) Dutch number like "cen", "twee", (v) English numbers like "One", "400", ...

V) Dutch Common words "goed", "zij".....

DECISION TREE! i) Pour parameters have been used level, manumum level, already visited nodes and output file (ii) Level with one has been treated as root node. Visited node has been initialized. Using the total count of features a matrix has been created using which entropy of each column has been 11:) A decision tree will be created based on the entropy walves. A Wisited Set is also maintained to avoid redudency. iv) Marimum legal of 5 has been used as operation

iv) Mareimann legger of something beyond level 5 has not produced anything different.

v) Decision tree outputs have been included in the examples folder within the folder Submitted. ADABOOST :i) Condition being consider as: Weight of data frame weight is inversely proportional to length of data frame. ii) Here 10 decision tree have been created, trained and based on that it guess either true or falle which leads us to the actual answer. Weight Values will be updated based on the error value calculated.

iv) If the decision tree gives the expected output, the updated weight will be less than the actual weight, where as the updated weight will be more for wrong decisions. 1.) This process keeps operating for all the decision trees. Error rate's will be updated based on the training of every decision tree, and based on the error rates adaboost gives the output through the Compansion of values that is english or Dutch. Kilhere all the decision trees Condusively provide adaboost result.