Programming Assignment (1/3)

□ Rocchio Classifier:

- Text collection (https://ceiba.ntu.edu.tw/course/99b512/content/PA.zip)
 - □ The 1095 news documents.

□ Each document is represented as high dimensional term vector (12299

terms). **120** # of terms in the 69 0.05247502278325365 0.0401300551075667 aan documents 749 0.09203742616371896 Term ID aaron document ab 848 0.0763643211653054 frequency term weight 940 0.047729198009054626 aback 1 **7**956 0.28828602441127854 abahd 1 1010 0.053466549251472546 abandon 39 Term ID 1089 0.13520215256585308 abat 1503 0.030478782046911262 1612 0.045016131247170625 9 abcnew 3 0.048872699761584815 abdallah2 10 0.06956514557359668 abdel 3 11 0.03473110763594485 abdomin 0.08510696581932352 13 abduct 2 0.09642967872405442 14 abdul 16 2059 0.06835877654974157 15 abdullah 40 2165 0.08034120666873078 16 abdurah man 0.09525428988216031 17 aberr 1 2996 0.1050222251199414 18 abhad 1 0.05940548312764909 19 abhivan 1 3098 0.03978342045818511 20 abhorr 2 0.07533903058154243 abid 0.06523880466175631 3290 abidin 4 n n30246019922201193 doc id.txt dictionary.txt

Programming Assignment (2/3)

- Training dataset
 - □ 13 classes (id 1~13), each class has 15 training documents.

doc_id	class_id
7	2
14	8
22	11
23	11

training.txt

output.txt

- The remaining documents are for testing.
 - Generate an output file (output.txt) that records your classification results.
 - use Euclidean distance as the underlying distance measure!!

$$\left|\underline{x} - \underline{y}\right| = \sqrt{\sum_{i=1}^{M} (x_i - y_i)^2}$$

- Exclude all training documents.
- Ascending order to doc_id.

Programming Assignment 3 (3/3)

- Please zip and submit ¹ your classification result (output.txt), ² source code, and ³ a report to TA.
 - 3 weeks to complete, that is, 2013/12/11.
- TA will check your micro/macro-averaging precision, recall, and F1.