

Assignment 4 (REPORT)

Information Retrieval

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1. Rochio Classification

Split	Accuracy
90:10	0.898203592814
80:20	0.92007992008
50:50	0.924430227909

2. KNN Classification (Accuracy)

Split	K=1	K=3	K=5
90:10	0.897	0.912	0.926
80:20	0.916	0.931	0.92
50:50	0.918	0.92	0.934

Analysis:

- Here it is seen that both the methods give good accuracy. However, KNN takes much more time to predict than Rochio Method.
- Comparing it with **Naive bayes**, we can say that in terms of accuracy, naive bayes gave better results, as high as 98%.