

### CSE 508 Information Retrieval Assignment 4

Ratio/Algo.	Naïve Bayes	Rocchio	KNN		
			k=1	k=3	k=5
<b>50:50</b>	95.04	89.88	54.44	67.96	69.88
<b>70:30</b>	96.33	92.33	62.13	70.13	71.46
<b>80:20</b>	96.39	93.60	63.40	74.90	72.10
<b>90:10</b>	98.00	93.80	71.20	77.00	78.40

Table 1 Accuracy (in %)

Clearly, the accuracy increases with the increase in size of training dataset. Also, out of the 3 algos., Naïve Bayes has the highest accuracy while KNN has the lowest. In KNN, accuracy increases as the value of k increases from 1 to 5.