

# LING572 Hw3 (Naive Bayes)

Due: 11pm on Jan 25, 2023

**Q1 :**

Train accuracy: 0.944

Test accuracy: 0.896

**1 Q2**

**Q2:**

Table 1: Results of your **Bernoulli** NB model

cond_prob_delta	Training accuracy	Test accuracy
0.1	0.957	0.9033
0.5	0.953	0.896
1.0	0.952	0.89

**2 Q3**

**Q3:**

Table 2: Results of your **multinomial** NB model

cond_prob_delta	Training accuracy	Test accuracy
0.1	0.94	0.9133
0.5	0.9503	0.9066
1.0	0.944	0.9

**Submission:** Submit the following to Canvas:

- Your note file *readme.(txt | pdf)* that includes Table 1 and 2, and any notes that you want the TA to read.