

## Final Exam

### 1. What is the news sentiment analysis system?

Ans: To analyze the sentiment or tone of news articles, headlines, and other textual content and identify whether it is positive, negative, or neutral.

### 2. Number of classes, features, size of training and testing data.

Ans:

- Number of classes: positive, negative, and neutral
- Features: text (article title)
- Size of training and testing data: 40% of the data as testing and 60% as training data.

[[ 93  97  40] [ 44 971 138] [ 57 253 245]]				
	precision	recall	f1-score	support
negative	0.48	0.40	0.44	230
neutral	0.74	0.84	0.78	1153
positive	0.58	0.44	0.50	555
accuracy			0.68	1938
macro avg	0.60	0.56	0.57	1938
weighted avg	0.66	0.68	0.66	1938