Module 3 Quiz

TOTAL POINTS 7

1.Question 1

You are given a dataset on movie reviews with a 1,000 labeled reviews. The labels are one of five movie genres: Action, Comedy, Drama, Horror, and Sci-Fi. The dataset has roughly 200 movie reviews for each movie genre.

Your first task is to learn a supervised classifier to identify just the reviews for Comedy movies from the dataset. Such a task is:

- Single-class classification
- (•) Two-class (Binary) classification
- Multi-class classification
- Multi-label classification

2.Question 2

The dataset available for the first task is:

- Balanced
- Insufficient
- (•) Skewed
- Unlabeled

3.Question 3

Suppose you decide to train a support vector machine classifier for this first task. The methodology you will employ will be a:

- A. One vs One classifier
- B. One vs Rest classifier

- (•) C. Single binary classifier
- ( ) Either A or B
- ( ) Classifier cannot be trained

4.Question 4

You are given a dataset on movie reviews with a 1,000 labeled reviews. The labels are one of five movie genres: Action, Comedy, Drama, Horror, and Sci-Fi. The dataset has roughly 200 movie reviews for each movie genre.

Your second task is to learn to identify all five movie genres. Such a task is:

- ( ) Single-class classification
- ( ) Two-class (Binary) classification
- (•) Multi-class classification
- ( ) Multi-label classification

5.Question 5

The dataset available for the second task is:

- (•) Balanced
- ( ) Insufficient
- ( ) Skewed
- ( ) Unbalanced

6.Question 6

Suppose you decide to train a support vector machine classifier for the second task. The methodology you will employ will be a:

- ( ) A. One vs One classifier

- B. One vs Rest classifier
- C. Single five-class classifier
- Either A or B
- Classifier cannot be trained

7.Question 7

How many binary classifiers will you need to train for the second task using the one-vs-one classification approach?

- 1
- 5
- 10
- 25