Module 3 Quiz

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:

1 point

- ○ Single-class classification
- ◉ Two-class (Binary) classification
- ○ Multi-class classification
- ○ Multi-label classification

2.
The dataset available for the first task is:

1 point

- ○ Balanced
- ○ Insufficient
- ◉ Skewed
- ○ Unlabeled

3.
Suppose you decide to train a support vector machine classifier for this first task. The methodology you will employ will be a:

1 point

- ○ A. One vs One classifier
- ○ B. One vs Rest classifier
- ◉ C. Single binary classifier
- ○ Either A or B
- ○ Classifier cannot be trained

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:
1 point

- ○ Single-class classification
- ○ Two-class (Binary) classification
- ◉ Multi-class classification
- ○ Multi-label classification

5.
The dataset available for the second task is:
1 point

- ◉ Balanced
- ○ Insufficient
- ○ Skewed
- ○ Unbalanced

6.
Suppose you decide to train a support vector machine classifier for the second task. The methodology you will employ will be a:
1 point

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

7.

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

1 point

- [ ] 1
- [x] 5
- [ ] 10
- [ ] 25