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:

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

2. The dataset available for the first task is:

   - ○ 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:

- ○ 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:

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

5. The dataset available for the second task is:

- (●) 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:

- ○ 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
- ○ 5
- ○ 10
- ○ 25