Module 3 Quiz

TOTAL POINTS 7

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. 1 point

   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: 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. 1 point

   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: 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
   - ◉ 5

- 10
- 25

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