1 point

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

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1 point

2. The dataset available for the first task is:

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

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1 point

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

1 point

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

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1 point

5. The dataset available for the second task is:

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

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1 point

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

Question 6 wrong

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1 point

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
