Intro to Machine Learning

TOTAL POINTS 15

1. Supervised learning deals with unlabeled data, while unsupervised learning deals with labelled data.

   `3 points`

   ○ True

   ◉ False

2. Which of the following is **not true** about Machine Learning?

   `3 points`

   ○ Machine Learning was inspired by the learning process of human beings.

   ○ Machine Learning models iteratively learn from data, and allow computers to find hidden insights.

   ○ Machine Learning models help us in tasks such as object recognition, summarization, and recommendation.

   ◉ Machine learning gives computers the ability to make decision by writing down rules and methods and being explicitly programmed.

3. Which of the following groups are not Machine Learning techniques?

   `3 points`

   ☐ Classification and Clustering

   ☑ Numpy, Scipy and Scikit-Learn

   ☐ Anomaly Detection and Recommendation Systems

4. The "Regression" technique in Machine Learning is a group of algorithms that are used for:

   `3 points`

   ◉ Predicting a continuous value; for example predicting the price of a house based on its characteristics.

   ○ Prediction of class/category of a case; for example a cell is benign or malignant, or a customer will churn or not.

   ○ Finding items/events that often co-occur; for example grocery items that are usually bought together by a customer.

5. When comparing Supervised with Unsupervised learning, is this sentence True or False?

   `3 points`

   In contrast to Supervised learning, Unsupervised learning has more models and more evaluation methods that can be used in order to ensure the outcome of the model is accurate.

   ◉ False

   ○ True

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