ML Concepts Quiz

Due No due date **Points** 4 **Questions** 4
Available after Mar 10 at 12:55 **Time Limit** None
Allowed Attempts Unlimited

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Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	less than 1 minute	4 out of 4
LATEST	Attempt 2	less than 1 minute	4 out of 4
	Attempt 1	2 minutes	3 out of 4

Submitted Mar 11 at 17:02

Question 1

1 / 1 pts

Suppose we are given a dataset where all the attributes of the instances are numeric. If we have to predict the value for a certain attribute for an unseen instance, which of the following method should be used?

Correct!

- (•) Regression
- ( ) All the above
- ( ) Clustering
- ( ) Classification

Since we are aware of the values of the predicted attribute for the given instances, the method needs to be supervised. However, the value of the predicted attribute is a numerical quantity. Hence, the method should be Regression

Question 2

1 / 1 pts

Which of the following statement is TRUE?

- Unsupervised algorithms require labelled data
- Classification can be applied in unlabelled data

Correct!

- Clustering is used to group similar objects
- Regression works with categorical labels

Classification is applicable for labelled data, regression works with numerical data and unsupervised algorithms do not require the data to be labelled.

Question 3

1 / 1 pts

Which of the following can affect the evaluation of a model's performance?

- Number of Training instances

Number of Testing instances

Distribution of Classes

Correct!

All of the answer options

If the testing data-size is too small, then the testing process would fail to do the proper evaluation. On the other hand, if the number of training instances is too low, the learner doesn't have enough information to build an accurate model. For the evaluation to be fair, the distribution of the classes in both training and testing data should be well-balanced.

Question 4

1 / 1 pts

Which of the following comclusions is not meaningful?

The likelihood of getting cancer is higher for older people.

The price of stocks for food delivery companies has increased after COVID-19 pandemic.

Red cars have higher chance of sale.

Correct!

People who live in suburbs with even postcode cannot repay their home loans.