

Quiz 1 - Machine Learning Concepts

- Due Jan 28 at 11:59pm
- Points 15
- Questions 8
- Time Limit 10 Minutes
- Allowed Attempts 2

Attempt History

	Attempt	Time	Score
KEPT	Attempt 1	8 minutes	15 out of 15
LATEST	Attempt 2	less than 1 minute	0 out of 15
	Attempt 1	8 minutes	15 out of 15

Score for this attempt: 0 out of 15

Submitted Mar 2 at 3:54pm

This attempt took less than 1 minute.



UnansweredQuestion 1

0 / 2 pts

Which of the following statement about machine learning is correct?

- ☐ The learning mainly relies on the theoretical analysis of the relationship between labels and features.
- ☐ Regression and classification are unsupervised learning.
- ☐ Some machine learning methods do not require data.

Correct Answer

- ☐ Clustering is one of the most-often used unsupervised learning methods.



UnansweredQuestion 2

0 / 2 pts

The major difference between supervised learning and unsupervised learning is

- ☐ There is no training in unsupervised learning.

Correct Answer

- ☐ The correct answers are included in the data for supervised learning.
- ☐ There is no mathematical models in unsupervised learning.
- ☐ Unsupervised learning can perform better with smaller dataset.



Unanswered Question 3

0 / 2 pts

What is a model in supervised learning?

- ☐ The correct answers to the prediction problem

Correct Answer

- ☐ A mathematical mapping between labels and features.
- ☐ A representative subset of the data
- ☐ Theoretical derivation using domain knowledge



Unanswered Question 4

0 / 2 pts

What terms do we use to refer to the correct answers in a dataset?

- ☐ target variable
- ☐ dependent variable
- ☐ response
- ☐ labels

Correct Answer

- ☐ All of the others



Unanswered Question 5

0 / 2 pts

You want build a machine learning model to predict whether a customer would choose a product on your website. Which of the following statements is correct?

- ☐ The customer rating of a product can be a good feature.

Correct Answer

- ☐ All of the others
- ☐ The labels should be whether a customer selects a product.
- ☐ The dataset should contain the information of many customers and their product choice.
- ☐ The product price can be a good feature.



Unanswered Question 6

0 / 2 pts

Which of the following is a correct variable name in Python?

☐ Q&A

Correct Answer

☐ _sales_

☐ 0_customer

☐ pixel-256



UnansweredQuestion 7

0 / 2 pts

What does the function str() do?

☐ To print any variable, you have to use str() first.

☐ Link two strings together

☐ Print out a string variable

Correct Answer

☐ Cast a variable to string data type



UnansweredQuestion 8

0 / 1 pts

Which of the following symbols define a list in Python?

☐ {}

☐ "

Correct Answer

☐ []

☐ ()

Quiz Score: 0 out of 15