Practice Test for Final Exam

- Due May 6 at 11:59pm
- Points 8
- Questions 6
- Available Apr 20 at 12am - May 6 at 11:59pm
- Time Limit 10 Minutes
- Allowed Attempts 3

Instructions

- The practice test for the final exam on **modules 7, 8, 9, 10, 11, and 12.**
- You need to answer **5 MCQs** + **1 Short question** .
- You will have only **10 minutes** to complete your test in **one sitting.**
- **You have up to 3 attempts, and be aware that in the final you have only one attempt**

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	3 minutes	2 out of 8 *

*Some questions not yet graded

⚠ Answers will be shown after your last attempt

* Some questions not yet graded

Submitted May 6 at 3:24pm

Question 1

1 / 1 pts

What is true regarding backpropagation rule?

○ there is no feedback of signal at any stage

◉ all of the mentioned

○ it is also called generalized delta rule

○ error in output is propagated backwards only to determine weight updates

IncorrectQuestion 2

0 / 1 pts

For SVM, which options are correct?

○

Support vectors are data points that are closer to the hyperplane and influence the position and orientation of the hyperplane

○ Deleting the support vectors won't change the position of the hyperplane

◉

Support vectors are data points that are far away from the hyperplane and influence the position and orientation of the hyperplane

○ None of the mentioned.

⠿

IncorrectQuestion 3

0 / 1 pts

Which of the following is not an example of frequent pattern analysis?

○ Can we predict the winner of match?

○ What are the subsequent purchases after buying a PC?

◉ What kinds of DNA are sensitive to this new drug?

○ Can we automatically classify web documents?

⠿

Question 4

1 / 1 pts

Which one of the following can be considered as the final output of the hierarchal type of clustering?

○ Finalize estimation of cluster centroids

◉ A tree which displays how the close thing are to each other

○ None of the mentioned

○ Assignment of each point to clusters

⠿

IncorrectQuestion 5

0 / 1 pts

One of the drawbacks of using statistical methods in anomaly detection is:

○ Sometime it can be Can difficult to decide on number of clusters

○ It may be hard to estimate the true distribution for high dimensional data.

◉ Density may become less meaningful in high-dimensional space.

○ all of the mentioned

⠿

Question 6

Not yet graded / 3 pts

For each of the following questions, provide an example of an association rule from the market basket domain that satisfies the following conditions. Also, describe whether such rules are subjectively interesting or not.

a) A rule that has reasonably high support but low confidence.

b) A rule that has low support and high confidence.

Your Answer:

a)Bread → Milk : not interesting, as it is a common co-occurrence but the confidence is low, indicating many people buy bread without milk.

b) Caviar → Champagne: interesting, as it suggests a strong association between luxury items despite with low overall support