Week 6 Quiz

Due Mar 8 at 11:59pm **Points** 14 **Questions** 3
Available after Mar 2 at 12am **Time Limit** 15 Minutes **Allowed Attempts** 2

Instructions

instructions.png Instructions

This quiz consists of three questions. To be successful with the module quizzes, it's important to read the assigned chapters, practice exercises, and complete the interactive activities. Keep the following in mind:

- **Attempts:** You will have two attempts for this quiz with your highest score being recorded in the grade book.
- **Timing:** You will need to complete each of your attempts in one sitting, and you are allotted 15 minutes to complete each attempt.
- **Answers:** You may review your answer choices and compare them to the correct answers after your final attempt.

To start, click the "**Take the Quiz**" button. When finished, click the "**Submit Quiz**" button.

Technical Support Technical Support

Need help using Canvas Quizzes? If so, please review the following guide: **Canvas Student Guide - Quizzes (https://community.canvaslms.com/docs/DOC-10701#jive_content_id_Quizzes)**

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	14 out of 14

Attempt	Time	Score

Score for this attempt: **14** out of 14
Submitted Mar 3 at 5:52pm
This attempt took less than 1 minute.

Question 1

4 / 4 pts

If you want to use SVM for multiclass classification (more than three classes), what of the following is the most appropriate and efficient approach?

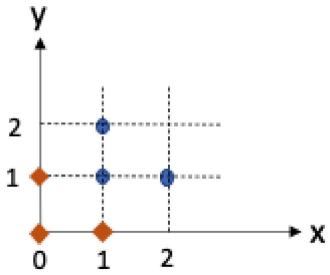
Correct!

- (●) One-Vs-Rest classification
- ( ) One-Vs-One classification
- ( ) All of above.
- ( ) Softmax function

Question 2

5 / 5 pts

Assume there are six training examples as shown in the figure below. Three are categorized as class 1 (blue): (1, 1), (1, 2), (2, 1), and the other three are in class 2 (yellow): (0, 0), (0, 1), (1, 0). If we train a linear SVM classifier with these six examples, which of the following is NOT a support-vector?



Correct!

- (1, 2)
- (1, 1)
- (1, 0)
- (0, 1)

Question 3

5 / 5 pts

What is the optimal separating line for question 2?

Correct!

- None of above.
- y = 1.5 – x
- y = 2 – x
- y = 1 – x

Quiz Score: **14** out of 14