Week 10 Quiz

Due Apr 19 at 11:59pm **Points** 12 **Questions** 3 **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	12 out of 12

Attempt	Time	Score

Score for this attempt: **12** out of 12
Submitted Apr 17 at 10:14pm
This attempt took less than 1 minute.

Question 1

4 / 4 pts

Which **two** of the following techniques are usually used to select the right number of clusters when using K-Means? Select **all** correct answers. [note: more than one answers are correct in this question]

- [ ] Uncertainty sampling
- [x] The elbow rule with inertia — Correct!
- [ ] Voronoi tessellation
- [x] The silhouette score — Correct!

Question 2

4 / 4 pts

Which **two** of the following techniques are usually used to select the right number of clusters when using GMM? [note: more than one answers are correct]

- [x] Akaike information criterion (AIC) — Correct!
- [x] Bayesian information criterion (BIC) — Correct!
- [ ] The EM algorithm
- [ ] Silhouette score

Question 3

4 / 4 pts

Can PCA be used to reduce the dimensionality of highly nonlinear datasets?

- No
- Yes

Correct!

Quiz Score: **12** out of 12