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▶ Module 1: Data Series

▼ **Module 2: Data Refinement**

Learning Objectives

Principal Component Analysis (7:35)

Lab 0 (1:42)

Lab 1 (6:43)

Lab 2 (7:21)

Lab 3 (5:29)

**Review Questions**

Review Questions



▶ Module 3: Exploring Data

▶ Final Exam

▶ Completion Certificate

## Review Questions Instructions

1. Time allowed: **Unlimited**

- We encourage you to go back and review the materials to find the right answer
- Please remember that the Review Questions are worth 50% of your final mark.

2. Attempts per question:

- One attempt - For True/False questions
- Two attempts - For any question other than True/False

3. Clicking the "**Final Check**" button when it appears, means your submission is **FINAL**. You will **NOT** be able to resubmit your answer for that question ever again

4. Check your grades in the course at any time by clicking on the "Progress" tab

## REVIEW QUESTION 1 (1/1 point)

Which of the following options is true?

☒ A matrix of correlations describes all possible pairwise relationships ✓

☐ Eigenvalues are the principal components

☐ Correlation does not explain the covariation between two vectors

☐ Eigenvectors are a measure of total variance, as explained by the principal components

*You have used 2 of 2 submissions*

## REVIEW QUESTION 2 (1 point possible)

PCA is a method to reduce your data to the fewest 'principal components' while maximizing the variance explained. True or false?

☒ False ✗

☐ True

*You have used 1 of 1 submissions*

## REVIEW QUESTION 3 (1/1 point possible)

[Cookie Preferences](#)

☒ Parallel analysis ✓

☐ Percentage of Common Variance

☐ Scree Test

☐ Kaiser-Guttman Rule

*You have used 2 of 2 submissions*