Review Test Submission: HW_2B_assessment_6357_20230126

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Course	BUAN 6357.SW1 - Advanced Business Analytics With R - S23
Test	HW_2B_assessment_6357_20230126
Started	1/28/23 1:07 PM
Submitted	1/28/23 1:27 PM
Status	Completed
Attempt Score	20 out of 150 points
Time Elapsed	20 minutes out of 1 hour

Question 1

10 out of 10 points

What is the final selected number of clusters identified by the kmeans() function when using the training data?

Question 2

10 out of 10 points

What is the final selected number of clusters identified by the hclust() function when using the training data?

Question 3

0 out of 10 points

What is the final within-group error-sum-of-squares value for the selected number of kmeans() clusters when using the training data? (Show at least 1 decimal place.)

Question 4

0 out of 10 points

What is the final within-group error-sum-of-squares value for the selected number of hclust() clusters when using the training data? (Show at least 1 decimal place.)

Question 5

0 out of 10 points

What is the proportion agreement in cluster assignment between the final kmeans() and the final hclust() allocations? (0<=x<=1, at least 3 decimal places)

Question 6 0 out of 10 points

What is the proportion of agreement between the original kmeans() cluster assignments for the training data and the Mahalanobis distance cluster assignments for the same training data? (0<=x<=1, at least 3 decimal places)

Question 7 0 out of 10 points

What is the proportion of agreement between the original hclust() cluster assignments for the training data and the Mahalanobis distance cluster assignments for the same training data? (0<=x<=1, at least 3 decimal places)

Question 8 0 out of 10 points

When using Mahalanobis distance to assign the original training data into the kmeans() clusters, what is the empirical probability estimate of a p-value of less than or equal to 0.05? (at least 3 decimal places)

Question 9 0 out of 10 points

When using Mahalanobis distance to assign the original training data into the hclust() clusters, what is the empirical probability estimate of a p-value of less than or equal to 0.05? (at least 3 decimal places)

Question 10 0 out of 10 points

When using Mahalanobis distance to assign the testing data into the kmeans() clusters, what is the empirical probability estimate of a p-value of less than or equal to 0.05? (at least 2 decimal places)

Question 11 0 out of 10 points

When using Mahalanobis distance to assign the testing data into the hclust() clusters, what is the empirical probability estimate of a p-value of less than or equal to 0.05? (at least 2 decimal places)

Question 12 0 out of 10 points

The distribution of the Mahalanobis p-values obtained when mapping the testing data into the kmeans() defined clusters indicates:

Question 13 0 out of 10 points

The distribution of the Mahalanobis p-values obtained when mapping the testing data into the hclust() defined clusters indicates:

Question 14 0 out of 10 points

The distribution of the Mahalanobis p-values obtained when mapping the testing data into the kmeans() defined clusters indicates we should:

Question 15 0 out of 10 points

The distribution of the Mahalanobis p-values obtained when mapping the testing data into the hclust() defined clusters indicates we should:

Saturday, January 28, 2023 1:27:36 PM CST

← OK