🏠 | Course Homepage   Quiz   **Review Test Submission: PLSR, BADA, and DiCA**

Review Test Submission: PLSR, BADA, and DiCA

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Course	(MERGED) ACN 7310.002 - HCS 7310.002 - F18
Test	PLSR, BADA, and DiCA
Started	11/25/18 1:33 PM
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Attempt Score	44.58333 out of 60 points
Time Elapsed	2 hours, 17 minutes
Results Displayed	All Answers, Submitted Answers

Question 1

1.25 out of 10 points

Barycentric discriminant analysis (BADA) and discriminant correspondence analysis (DiCA) are the discriminant analyses for **[a]** and for **[b]**. BADA and DiCA analyze differences between **[c]**. Using **[d]** resampling, we can plot the **[e]** to test the stability of each **[f]**. Using **[g]**, we can plot the **[h]** to test the quality of the model / quality of the prediction for out of sample (a.k.a. supplementary) observations.

Specified Answer for: a   Quantitative Variables

Specified Answer for: b   Qualitative Variables

Specified Answer for: c   groups

Specified Answer for: d   jackknifing or bootstrapping

Specified Answer for: e   convex envelope

Specified Answer for: f   category

Specified Answer for: g   bootstrapping or jackknifing

Specified Answer for: h   convex envelope

Question 2

10 out of 10 points

How do you make PLS-C equivalent to BADA?

Selected Answer:	Do PLS-C on one data matrix and one design matrix
Answers:	Do PLS-R on one data matrix and one design matrix
	Break the data matrix into two according to the design matrix and perform PLS-R
	Do PLS-C on one data matrix and one design matrix

Break the data matrix into two according to the design matrix and perform PLS-C

You can't really do that

Question 3

10 out of 10 points

How do you make PLS-C equivalent to DiCA?

Selected Answer:	Do PLS-CA on one data matrix and one design matrix
Answers:	Do PLS-CA on one data matrix and one design matrix
	Break the data matrix into two according to the design matrix and perform PLS-C
	Do PLS-C on one data matrix and one design matrix
	You can't really do that
	Break the data matrix into two according to the design matrix and perform PLS-CA

Question 4

10 out of 10 points

What does discriminant analysis do?

Selected Answers:	Predicts which observation belongs to which group
	Examine if the difference between group means is valid
	Examine if the difference between group barycenters is reliable
	Examine if the groups are statistically different
Answers:	Predicts which observation belongs to which group
	Examine if the difference between group means is valid
	Examine if the difference between group barycenters is reliable
	Examine if the groups are statistically different

Question 5

3.33333 out of 10 points

What does the latent variable in PLS-R do?

Selected Answers:	Maximize the covariance between the predictor matrix and the predicted matrix
	Predicts the variance of the predicted matrix that is explained by the predictor matrix
	Describes the variance of the predicted matrix
Answers:	Predicts the variance of the predictor matrix that is explained by the predicted matri
	Maximize the covariance between the predictor matrix and the predicted matrix

Describes the variance of the predictor matrix

Predicts the variance of the predicted matrix that is explained by the predictor matrix

Has maximum covariance between itself and the predicted matrix

Describes the variance of the predicted matrix

Question 6

10 out of 10 points

Which SVD does PLS-R use?

Selected Answers: SVD

GSVD

Answers: GPCA
PSVD
SVD

GSVD

Sunday, December 9, 2018 1:34:44 PM CST

← **OK**