Bonus Quiz

Due No due date Points 10 Questions 10 Time Limit 30 Minutes

Instructions

This 'Bonus' quiz is designed to give you a chance to earn back up to 10 points. With the +/- grading system many students end up close to the next letter grade, this quiz will provide the final say on where your grade lies. Point totals are provided in the PDF syllabus, and your grades are determined by those point totals.

This quiz also acts as a 'smoother' over a question or two that you might not have liked how I graded, and an 'eraser' if you had to miss a discussion board or made a silly mistake on a problem or two on your final exam.

The quiz is open book, but it will have a time limit of 30 minutes.

Since I have provided these bonus points, we will not be scavenging for points when it comes time to compute the final grades.

Attempt History

LATEST Attempt 1 28 minutes 8 out of 10		Attempt	Time	Score
	LATEST	Attempt 1	28 minutes	8 out of 10

Score for this quiz: **8** out of 10 Submitted Nov 28 at 10:10pm This attempt took 28 minutes.

Question 1	0 / 1 pts
When working in an analytics position at a company, most of your be generated by:	data will
a designed experiment	
○ a robot	

orrect Answer	retrospective sampling
ou Answered	an observational study

	Question 2	1 / 1 pts
	Linear regression:	
Correct!	requires that the model is specified to be linear in the parameters.	
	requires that the relationship between the predictor variable and the res variable be linear.	ponse
	requires that an intercept be included in the model.	
	can be used correctly on to fit a model with a response variable that take the two values 0 and 1.	es only

	Question 3	1 / 1 pts
	The estimation procedures for factor analysis produce a unique solu	ution.
	O True	
Correct!	False	

Question 4 1 / 1 pts

rrect!	change the 'answer', 'solution', or estimated output in a qualitative sense, not just the scale of the estimated output. principal components analysis factor analysis using the correlation matrix linear regression both principal components analysis and cluster analysis
rrect!	just the scale of the estimated output. principal components analysis factor analysis using the correlation matrix linear regression
	just the scale of the estimated output. principal components analysis factor analysis using the correlation matrix
	just the scale of the estimated output. Oprincipal components analysis
	just the scale of the estimated output.
	* Note the word 'affected' means that the scale of the predictor variables will
	* Nete the word leffected receive that the cools of the westinter vericeles will
	Statistical methods that are affected by the scale of the predictor variables include:
	Question 5 1/1 pt
	4/4 %
rrect!	unsupervised learning
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	regression
	supervised learning
	——————————————————————————————————————
	 generalized linear models

	improve the interpretability of a factor solution.	
	search for a simple factor structure.	
	produce uncorrelated (orthogonal) factors.	
Correct!	improve the interpretability of a factor solution, search for a simple factor structure, produce uncorrelated (orthogonal) factors.	
	Question 7 0 /	1 pts
	In linear regression the R-Squared value is computed in the same manumental whether or not the model contains an intercept.	ner
u Answered	• True	
rrect Answer	O False	
	Question 8	1 pts
	While both factor analysis and principal components analysis can be us reduce the dimension of multivariate data, their modeling objectives are different.	
Correct!	True	
	O False	

Question 9 1 / 1 pts

	All cluster analysis methods will yield the same clusters on a particular data set.
	O True
Correct!	False

	Question 10	1 / 1 pts
	Cluster analysis can be used as:	
	a segmentation technique when class labels are not present.	
	a predictive modeling technique when class labels are present.	
	a method to fit linear models.	
Correct!	a predictive modeling technique when class labels are present and a segmentation technique when class labels are not present.	

Quiz Score: 8 out of 10