Take Test: Module 03 Week 6 gretl Assignment

* Test Information Description This is the gretl assignment for Module 03, Week 6. In this assignment you will continue to explore ordinary least squares regression, particularly multiple variable or multivariable regression. I am uploading a complete Word doc below. As was the case last week, this document contains everything you need to complete the gretl assignment as well as a discussion about some of the concepts covered. The intention is to help you develop an intuitive understanding for what is going on with this type of regression. As always, if you have question please ask! mphModule 3 Week 2, gretl 6 ANA 500.docx Instructions The online portion of this gretl assignment has a variety of types of questions; multiple choice, fill in the blank, true/false, etc. Please select the choice that best answers the question or enter a value rounded to two decimal places unless otherwise instructed. If you have any questions just ask! If you didn't already download it, here is a copy of the Word document associated with this week's assignment. mphModule 3 Week 2, gretl 6 ANA 500.docx Multiple Attempts This test allows 2 attempts. This is attempt number 1. Force Completion This test can be saved and resumed later. Your answers are saved automatically. ▼ Question Completion Status: Which independent variables are NOT statistically significant in Model 2? Select all that apply. O crim \bigcirc RM ○ TAX O DIS AGE O Istat O PTRATIO black nox

10 points

QUESTION 5

First, eliminate the independent variable "nox" from the model and enter the resulting R-squared value. With "nox" removed R-sq —————·	,	
0.832340		
5 p	oints	✓ Saved
QUESTION 6		
Next, replace "nox" in the model and remove the independent variable "Istat". With "Istat" removed R-squared equals		
0.831031		
5 p	oints	✓ Saved
QUESTION 7 Considering our original multivariable model, Model 2, let's remove several independent variables and see if that makes a bigge	er differer	nce
his time remove "nox," "Istat," "black," and "crim". With those independent variables removed the R-squared value equals		100.
0.819126		✓ Saved
0.819126		
0.819126 5 p		
0.819126 5 p QUESTION 8		
0.819126 5 p QUESTION 8 With the independent variable "RM" removed the R-squared value of the model (in this case Model 6) is		
0.819126 SUESTION 8 With the independent variable "RM" removed the R-squared value of the model (in this case Model 6) is 0.530734		∀ Saved
QUESTION 8 With the independent variable "RM" removed the R-squared value of the model (in this case Model 6) is 0.530734	oints	∀ Saved
QUESTION 8 With the independent variable "RM" removed the R-squared value of the model (in this case Model 6) is 0.530734	oints	∀ Saved

O 1.95

None of the other answers		
○ 0.00 or exactly zero		
	points	✓ Saved
•	points	▼ Saved
QUESTION 10		
Now, if we also remove the independent variable "Istat" the R-squared value of the model is		
0.207609		
5	points	✓ Saved
QUESTION 11		
Just as the R-squared value indicated more or less precision in our regression model, the standard error of regression or S.E values indicated consistently, respective more or less distance between the regression line of the model to actual, observed data	. of regre	esion
or False?	a values.	
	a values.	
or False?	a values.	
or False? ○ True	a values.	
or False? True False	a values.	
or False? True False		True
or False? True False		True
or False? True False False	points	True ✓ Saved
or False? True False False	points	True ✓ Saved
or False? True False False	points	True ✓ Saved
or False?	points	True ✓ Saved
or False? True False False	points	True ✓ Saved

	pe coefficients of the mo		TAX," and "PTRATIO" are ting our model? Enter you			
10.9006						
					10	points 🗸 Saved
QUESTION 14 The value of the True False		ans that the regression lir	ne has a steep, negative sl	lope. True or False?		
					10 points	☐ Saving Answer
Click Save and S	lubmit to save and subr	nit. Click Save All Ans	wers to save all answer	S. Save	e All Answers	Save and Submit