

Quiz Summary

Generated: 10:42pm

Average Score	High Score	Low Score	Standard Deviation
91%	100%	50%	0.62

Question Breakdown

Question 1

Attempts: 39 out of 39

In the first model, **1m.1**, we find that the VIF for X2 is 20.18 and the VIF for X4 is 16.06.

True or False: This means that X2 and X4 are collinear.

+0.79

Discrimination Index

Discrimination Index: 0.79.

A table of answers and brief statistics regarding student answer choices.

Answer Text	Number of Respondents	Percent of respondents selecting this answer	Answer Distribution
True, (Incorrect answer)True	6 respondents	15 %	
False, (Correct answer)False	33 respondents	85 %	

85% answered correctly

Question 2

Attempts: 39 out of 39

Again referring to **1m.1**...

True or False: There might be no linear relationship between X1 and X3, even though the VIF for X2 is 20.18 and the VIF for X4 is 16.06.

+0.43

Discrimination Index

Discrimination Index: 0.43.

A table of answers and brief statistics regarding student answer choices.			
Answer Text	Number of Respondents	Percent of respondents selecting this answer	Answer Distribution
True, (Correct answer)True	38 respondents	97 %	
False, (Incorrect answer)False	1 respondent	3 %	

97% answered correctly

Question 3

Attempts: 39 out of 39

Note that in **1m.1**, *only two predictors* have coefficients significantly different from zero: X2 and X3. The coefficient for X4 is just at the borderline of significance, and the coefficient for X1 is not significantly different from zero at all.

On the other hand, in the model **1m.2**, *all three predictors* X1, X3 and X4 have coefficients significantly different from zero.

True or False: Since all the predictors in **1m.2** are significant, and only two of the four predictors in **1m.1** are significant, **1m.2** is a better model than **1m.1**.

+0.52

Discrimination Index

Discrimination Index: 0.52.

A table of answers and brief statistics regarding student answer choices.			
Answer Text	Number of Respondents	Percent of respondents selecting this answer	Answer Distribution
True, (Incorrect answer)True	5 respondents	13 %	
False, (Correct answer)False	34 respondents	87 %	

87% answered correctly

Question 4

Attempts: 39 out of 39

Comparing models **1m.1** and **1m.2**...

True or False: X2 and X1 appear to be collinear.

+0.43

Discrimination Index

Discrimination Index: 0.43.

A table of answers and brief statistics regarding student answer choices.			
Answer Text	Number of Respondents	Percent of respondents selecting this answer	Answer Distribution
True, (Correct answer)True	37 respondents	95 %	
False, (Incorrect answer)False	2 respondents	5 %	

95% answered correctly