## **Quiz Summary**

Section Filter •



## **Question Breakdown**



| +0.7               | 9              |                 |                        |  |
|--------------------|----------------|-----------------|------------------------|--|
| Discrim<br>Index ( | nination       |                 |                        |  |
| True               | 6 respondents  | 15 <sup>%</sup> | 85%                    |  |
| False              | 33 respondents | 85 <sup>%</sup> | √answered<br>correctly |  |

Attempts: 39 out of 39

Again referring to 1m.1...

<u>**True or False:**</u> 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<br>Index ? |                                |                        |                               |  |  |  |  |  |
|---------------------------|--------------------------------|------------------------|-------------------------------|--|--|--|--|--|
| <b>True</b><br>False      | 38 respondents<br>1 respondent | 97 %<br>3 <sup>%</sup> | √97%<br>answered<br>correctly |  |  |  |  |  |

## 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 <u>1m.2</u>, *all three predictors* X1, X3 and X4 have coefficients significantly different from zero.

| <u>True or False:</u> 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<br>Discrimination<br>Index ?  |                                 |                               |       |                              |  |  |  |  |
| True  | 5 respondents                   | 13 <sup>%</sup>               |       | 87%                          |  |  |  |  |
| False   | 34 respondents                  | 87 <sup>%</sup>               | ~     | answered<br>correctly        |  |  |  |  |
| Attempts:   | 39 out of 39                    |                               | +0.43 |                              |  |  |  |  |
| Comparing models 1m.1 and 1m.2Discrimination<br>Index ?True or False:X2 and X1 appear to be collinear.  |                                 |                               |       |                              |  |  |  |  |
| <b>True</b><br>False  | 37 respondents<br>2 respondents | <b>95</b> %<br>5 <sup>%</sup> |       | 95%<br>answered<br>correctly |  |  |  |  |