

A00-240^{Q&As}

SAS Certified Statistical Business Analyst Using SAS 9: Regression and Modeling Credential

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QUESTION 1

Refer to the REG procedure output:

Analysis of Variance

<i>Source</i>	<i>DF</i>	<i>Sum of Squares</i>	<i>Mean Square</i>	<i>F Value</i>	<i>Pr > F</i>
<i>Model</i>	2	31848	15924	13.42	<.0001
<i>Error</i>	97	115082	1186.40833		
<i>Corrected Total</i>	99	146930			

<i>Root MSE</i>	34.44428	<i>R-Square</i>	0.2168
<i>Dependent Mean</i>	606.38715	<i>Adj R-Sq</i>	0.2006
<i>Coeff Var</i>	5.68025		

An analyst has selected this model as a champion because it shows better model fit than a competing model with more predictors. Which statistic justifies this rationale?

- A. R-Square
- B. Coeff Var
- C. Adj R-Sq
- D. Error DF

Correct Answer: C

QUESTION 2

Refer to the confusion matrix:

		Predicted Outcome	
		0	1
Actual Outcome	0	58	44
	1	23	25

Calculate the accuracy and error rate (0 - negative outcome, 1 - positive outcome)

- A. Accuracy = 58/102, Error Rate = 23/48
- B. Accuracy = 83/102, Error Rate = 67/102
- C. Accuracy = 25/150, Error Rate = 44/150
- D. Accuracy = 83/150, Error Rate = 67/150

Correct Answer: A

QUESTION 3

The total modeling data has been split into training, validation, and test data. What is the best data to use for model assessment?

- A. Training data
- B. Total data
- C. Test data
- D. Validation data

Correct Answer: D

QUESTION 4

This question will ask you to provide a missing option. Given the following SAS program:

```
proc corr data = MYDATA <insert option here> ;  
  var x1 x2 x3 x4 x5;  
  with Target;  
run;
```

What option must be added to the program to obtain a data set containing Spearman statistics?

- A. OUTCORR=estimates
- B. OUTS=estimates
- C. OUT=estimates
- D. OUTPUT=estimates

Correct Answer: D

QUESTION 5

In order to perform honest assessment on a predictive model, what is an acceptable division between training, validation, and testing data?

- A. Training: 50% Validation: 0% Testing: 50%
- B. Training: 100% Validation: 0% Testing: 0%
- C. Training: 0% Validation: 100% Testing: 0%
- D. Training: 50% Validation: 50% Testing: 0%

Correct Answer: D

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