A00-240^{Q&As}

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

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QUESTION 1

Which SAS program will correctly use backward elimination selection criterion within the REG procedure?

```
  A.  proc reg data=SASUSER.MLR;
          model y = x1-x10 /selection=backward sls=aic;
      run;
```

```
  B.  proc reg data=SASUSER.MLR;
          model y = x1-x10 /selection=backward sls=0.15;
      run;
```

```
  C.  proc reg data=SASUSER.MLR;
          model y = x1-x10 /selection=backward sle=cp;
      run;
```

```
  D.  proc reg data=SASUSER.MLR;
          model y = x1-x10 /selection=backward sle=all;
      run;
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 2

An analyst compares the mean salaries of men and women working at a company. The SAS data set SALARY contains variables:

1.

 Gender (M or F)

2.

 Pay (dollars per year)

Which SAS programs can be used to find the p-value for comparing men\\'s salaries with women\\'s salaries? (Choose two.)

```
□ A.  proc glm data = SALARY;
           class Gender;
           model Pay = Gender;
       run;
```

```
□ B.  proc ttest data = SALARY;
           class Gender;
           var Pay;
       run;
```

```
□ C.  proc glm data = SALARY;
           class Pay;
           model Pay = Gender;
       run;
```

```
□ D.  proc ttest data = SALARY;
           class Gender;
           model Pay = Gender;
       run;
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: AB

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

Which method is NOT an appropriate way to score new observations with a known target in a logistic regression model?

A. Use the SCORE statement in the LOGISTIC procedure.

B. Augment the training data set with new observations and set their responses to missing.

C. Augment the training data set with new observations and rerun the LOGISTIC procedure.

D. Use the saved parameter estimates from the LOGISTIC procedure and score new observations in the SCORE procedure.

Correct Answer: C

QUESTION 5

DRAG DROP

Drag the adjustment formulas for oversamping from the left and place them into the correct location in the confusion matrix shown on the right.

Select and Place:

Correct Answer:

$\pi_0 \times$ specificity

$\pi_0 \times (1 - \text{specificity})$

$\pi_1 \times$ sensitivity

$\pi_1 \times (1 - \text{sensitivity})$

		Predicted Class	
		0	1
Actual Class	0	formula	formula
	1	formula	formula

Section: (none)

		Predicted Class	
		0	1
Actual Class	0	$\pi_1 \times$ sensitivity	$\pi_0 \times$ specificity
	1	$\pi_0 \times (1 - \text{specificity})$	$\pi_1 \times (1 - \text{sensitivity})$