

A00-240^{Q&As}

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

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QUESTION 1

While building a predictive model, median imputations are performed while preparing the training data. How should the imputations be addressed in the validation data?

- A. The imputed values are irrelevant to the validation data, and are not used.
- B. The imputed values must be applied directly to the validation data without recalculation.
- C. The imputed values must be recalculated using the validation data.
- D. The imputed values must be recalculated using both the training and the validation data.

Correct Answer: C

QUESTION 2

An analyst generates a model using the LOGISTIC procedure. They are now interested in getting the sensitivity and specificity statistics on a validation data set for a variety of cutoff values. Which statement and option combination will generate these statistics?

- A. Score data=valid1 out=roc;
- B. Score data=valid1 outroc=roc;
- C. mode1 resp(event= \"1\") = gender region/outroc=roc;
- D. mode1 resp(event"1") = gender region/ out=roc;

Correct Answer: B

QUESTION 3

Given the following LOGISTIC procedure:

```
proc logistic data = MYDIR.CONVERT des outest=OUTFILE_1;
  model Attrite = Calls Plan Billing_code;
  score data=MYDIR.NEW_ATTRITE_DATA out=OUTFILE_2;
run;
```

What is the difference between the datasets OUTFILEJ and OUTFILE_2?

- A. OUTFILE_1 contains the final parameter estimates while OUTFILE_2 contains the newly scored probabilities.
- B. OUTFILE_1 contains the model goodness of fit statistics while OUTFILE_2 contains the newly scored probabilities
- C. OUTFILE_1 contains the model goodness of fit statistics while OUTFILE_2 contains the newly scored logits.
- D. OUTFILEJ contains the final parameter estimates and Wald Chi-Square values while OUTFILE_2 contains the newly

scored probabilities.

Correct Answer: A

QUESTION 4

A linear model has the following characteristics:

1.

A dependent variable (y)

2.

Three continuous predictor variables (x1-x3)

3.

One categorical predictor variable (c1 with 3 levels)

Which SAS program fits this model?

A.

```
proc glm data=SASUSER.MLR;
  class c1 x1 x2 x3;
  model y = c1 x1-x3 /solution;
run;
```

B.

```
proc reg data=SASUSER.MLR;
  model y = c1 x1-x3 /solution;
run;
```

C.

```
proc reg data=SASUSER.MLR;
  class c1;
  model y = c1 x1-x3;
run;
```

D.

```
proc glm data=SASUSER.MLR;
  class c1;
  model y = c1 x1-x3 /solution;
run;
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 5

The Model SS in a multiple linear regression model is equal to:

- A. the total SS- MSE
- B. the sum of Type I SS of all model terms
- C. the sum of Type II SS of all model terms
- D. the sum of SSE and MSE

Correct Answer: B

Reference: <http://core.ecu.edu/psyc/wuenschk/SAS/SS1234.pdf>

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