

A00-240^{Q&As}

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

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QUESTION 1

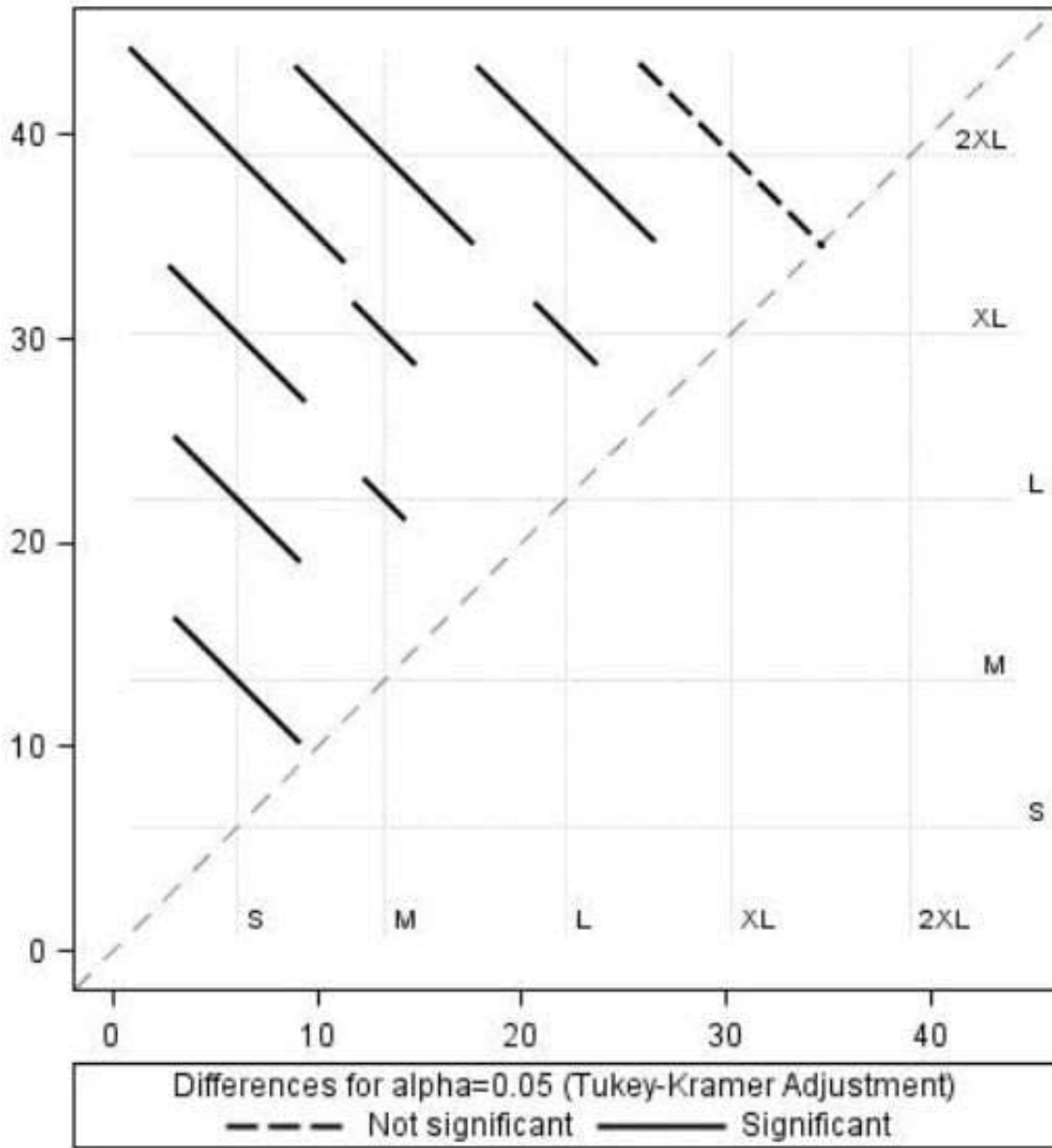
Screening for non-linearity in binary logistic regression can be achieved by visualizing:

- A. A scatter plot of binary response versus a predictor variable.
- B. A trend plot of empirical logit versus a predictor variable.
- C. A logistic regression plot of predicted probability values versus a predictor variable.
- D. A box plot of the odds ratio values versus a predictor variable.

Correct Answer: B

QUESTION 2

Refer to the exhibit.



Based on the control plot, which conclusion is justified regarding the means of the response?

- A. All groups are significantly different from each other.
- B. 2XL is significantly different from all other groups.
- C. Only XL and 2XL are not significantly different from each other.
- D. No groups are significantly different from each other.

Correct Answer: C

QUESTION 3

The following LOGISTIC procedure output analyzes the relationship between a binary response and an ordinal predictor variable, wrist_size Using reference cell coding, the analyst selects Large (L) as the reference level.

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-1.0415	0.4749	4.8101	0.0283
wrist_size M	1	1.1234	0.4989	5.0697	0.0243
wrist_size S	1	1.6078	0.5478	8.6133	0.0033

What is the estimated logit for a person with large wrist size?

Click the calculator button to display a calculator if needed.

- A. 0.0819
- B. 0.5663
- C. -3.7727
- D. -1.0415

Correct Answer: D

QUESTION 4

Refer to the REG procedure output:

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	33033	11011	115.63	<.0001
Error	496	47231	95.22454		
Corrected Total	499	80265			

Click on the calculator button to display a calculator if needed.

- A. 0.4115
- B. 0.6994
- C. 0.5884
- D. 0.1372

Correct Answer: A

QUESTION 5

What is a drawback to performing data cleansing (imputation, transformations, etc.) on raw data prior to partitioning the data for honest assessment as opposed to performing the data cleansing after partitioning the data?

- A. It violates assumptions of the model.
- B. It requires extra computational effort and time.
- C. It omits the training (and test) data sets from the benefits of the cleansing methods.
- D. There is no ability to compare the effectiveness of different cleansing methods.

Correct Answer: D

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