



A00-240^{Q&As}

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





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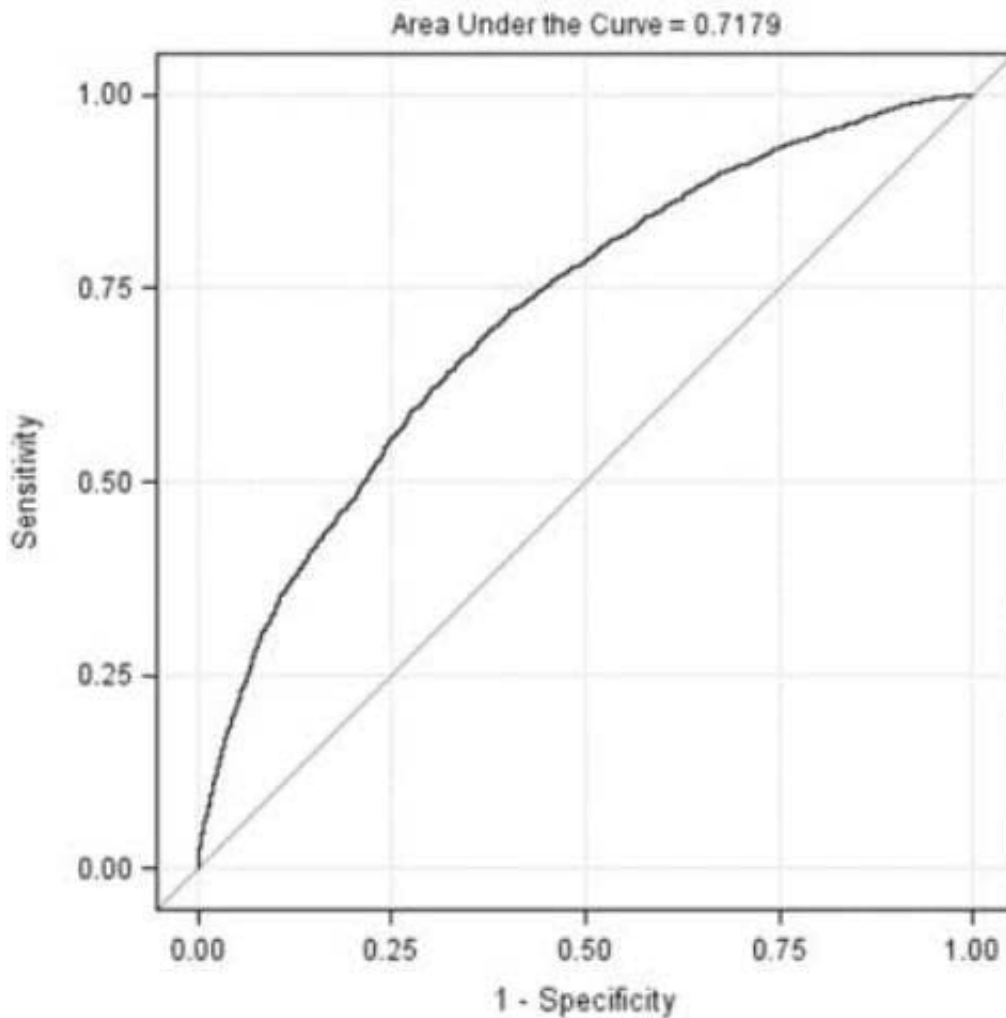
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QUESTION 1

Refer to the ROC curve:



As you move along the curve, what changes?

- A. The priors in the population
- B. The true negative rate in the population
- C. The proportion of events in the training data
- D. The probability cutoff for scoring

Correct Answer: D

QUESTION 2

When mean imputation is performed on data after the data is partitioned for honest assessment, what is the most appropriate method for handling the mean imputation?



- A. The sample means from the validation data set are applied to the training and test data sets.
- B. The sample means from the training data set are applied to the validation and test data sets.
- C. The sample means from the test data set are applied to the training and validation data sets.
- D. The sample means from each partition of the data are applied to their own partition.

Correct Answer: B

QUESTION 3

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A linear model has the following characteristics:

1.

A dependent variable (y)

2.

One continuous variable (x_1)

3.

One categorical (x_2 with 3 levels) predictor variable and an interaction term (x_2 by x_1)

How many parameters, including the intercept, will be estimated for this model?

Enter your numeric answer in the space below.

Correct Answer: 7

Section: (none)

QUESTION 4

A non-contributing predictor variable ($P > |t| = 0.658$) is added to an existing multiple linear regression model.

What will be the result?

A. An increase in R-Square

B. A decrease in R-Square

C. A decrease in Mean Square Error

D. No change in R-Square

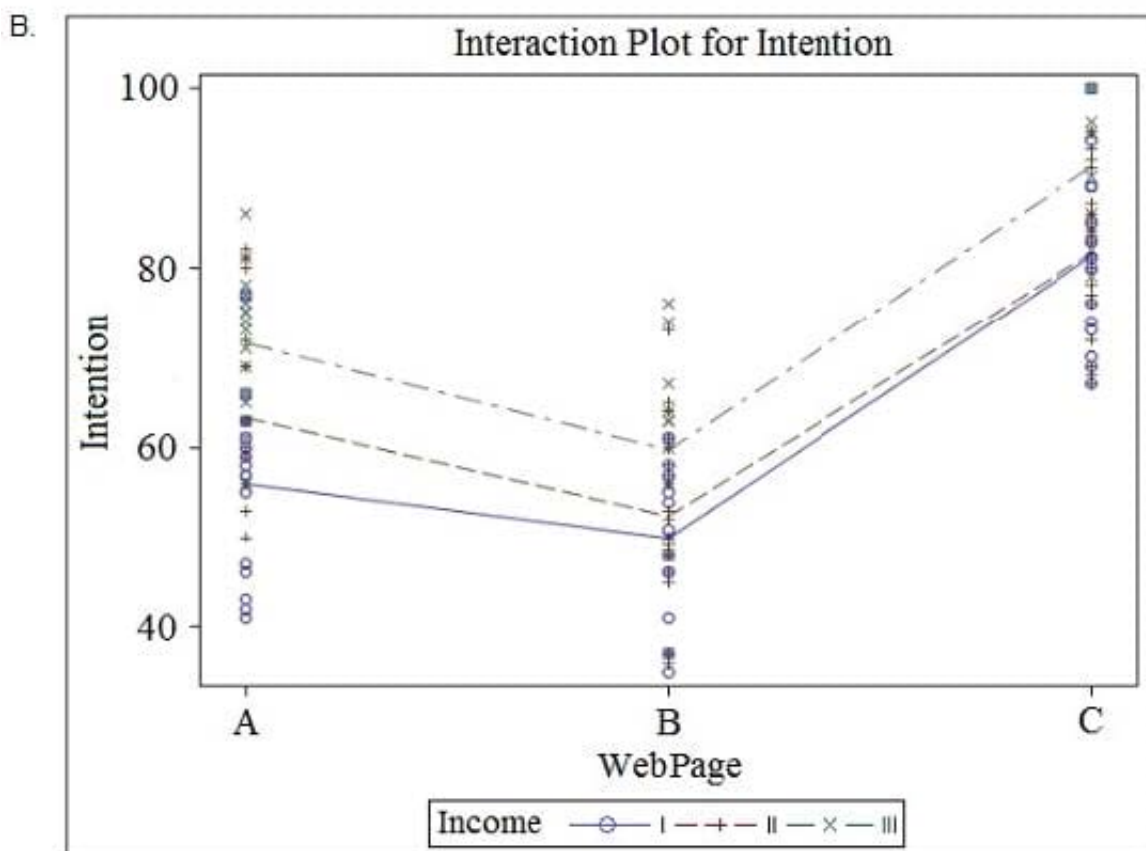
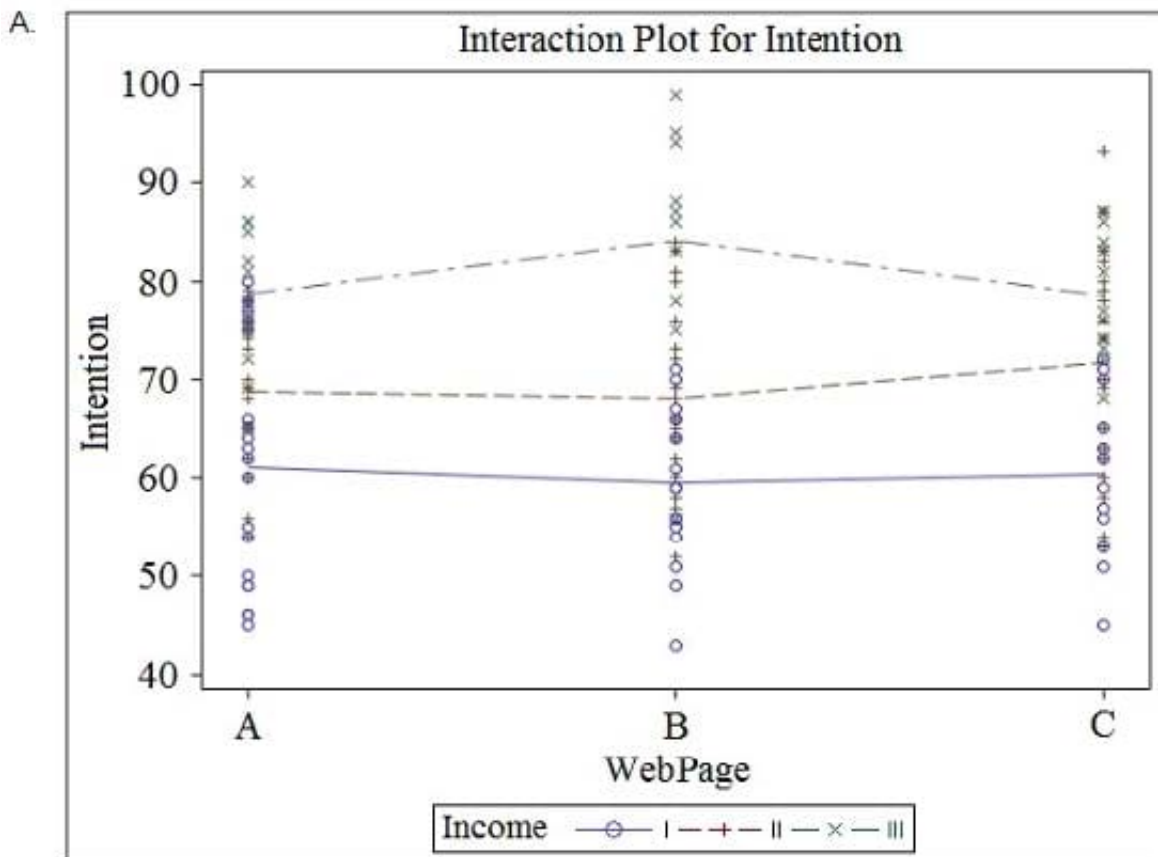
Correct Answer: A

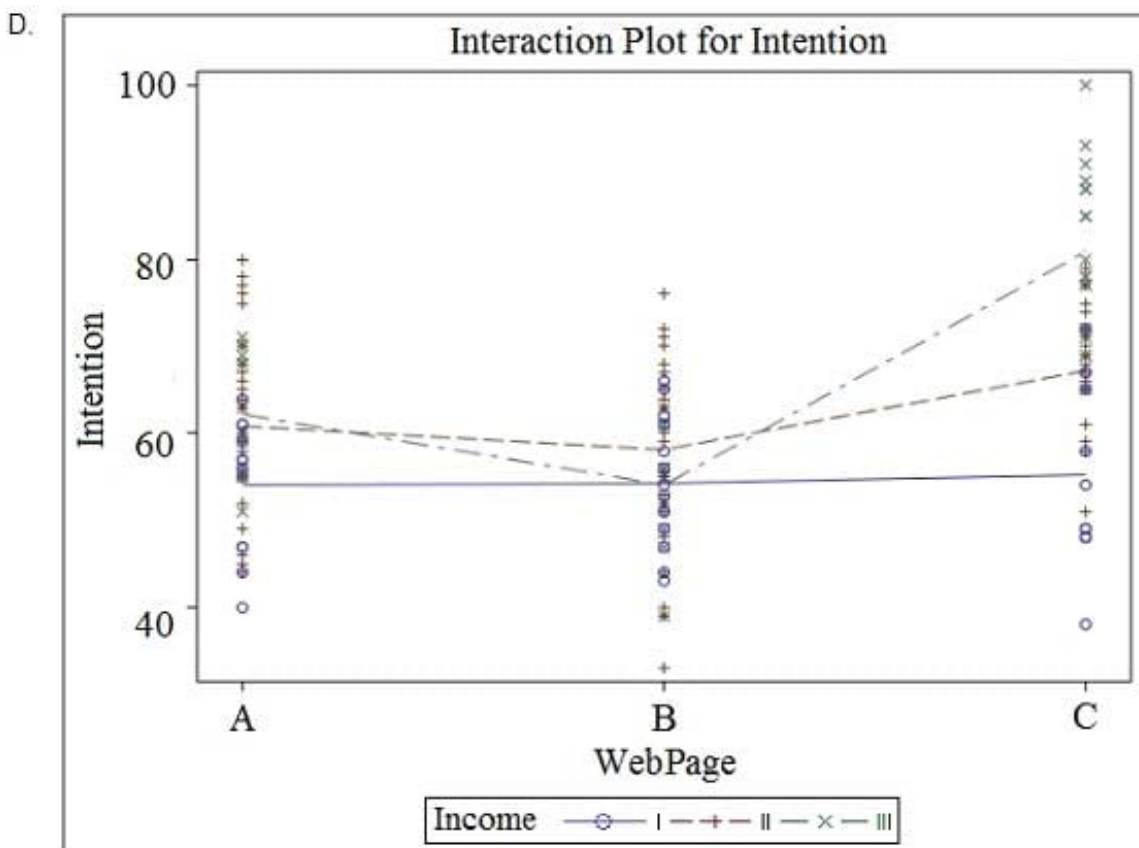
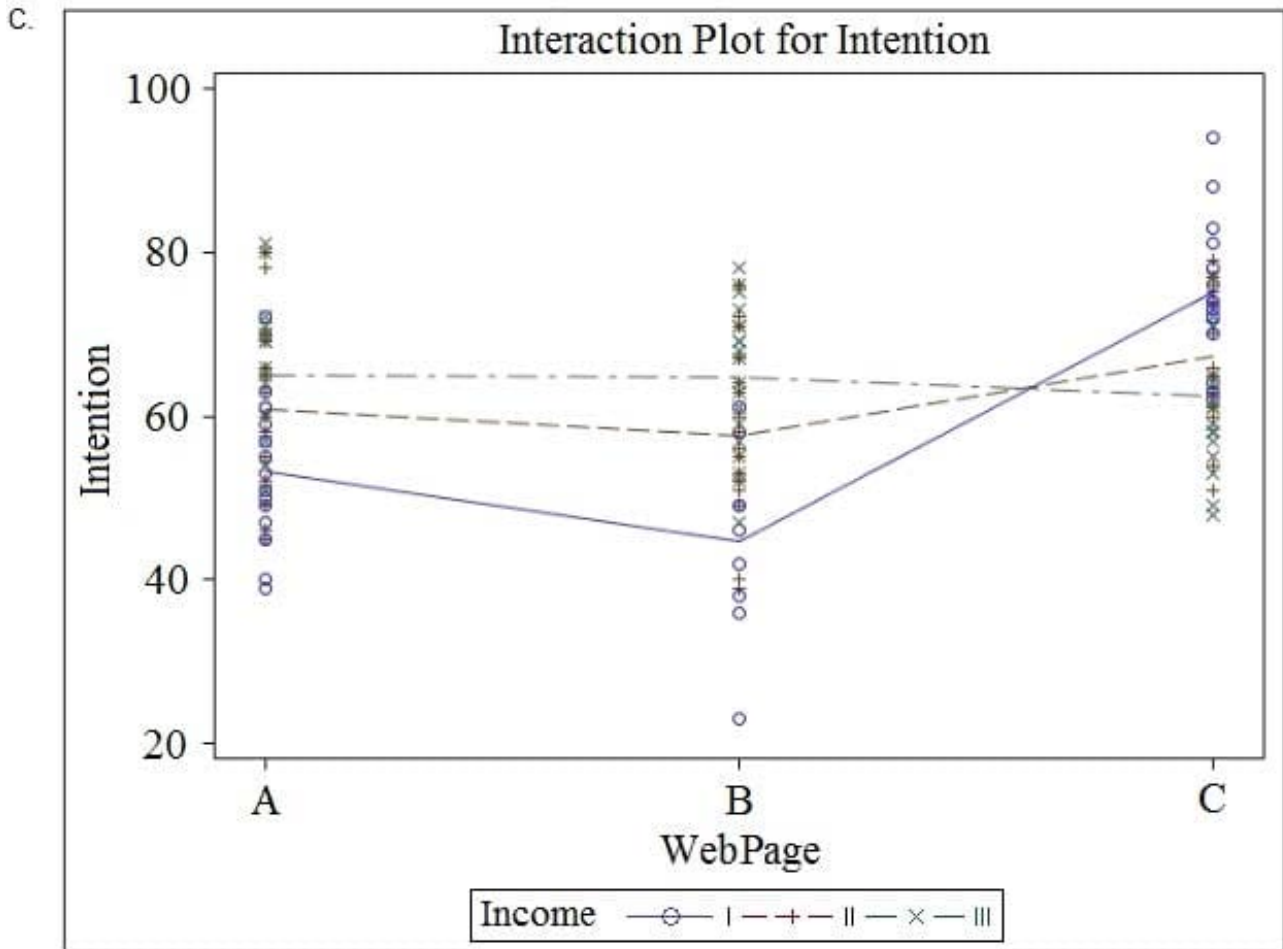


QUESTION 5

A marketing analyst assessed the effect of web page design (A, B, or C) on customers' intent to purchase an expensive product. The focus group was divided randomly into three sub-groups, each of which was asked to view one of the web pages and then give their intent to purchase on a scale from 0 to 100. The analyst also asked the customers to give their income, which was coded as: I (lowest), II (medium), or III (highest). After analyzing the data, the analyst claimed that there was significant interaction and the webpage design mainly influenced high income people.

Which graph supports the analyst's conclusion?







A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

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