

## *SAS Institute*

*A00-274*

*SAS Certified Visual Modeling Using SAS Visual Statistics 8.4*

**Questions And Answers PDF Format:**

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*Version = Product*



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# Latest Version: 6.0

## Question: 1

You would like to compare multiple models that you've built in SAS Visual Statistics. Which parameters must be the same for all models being compared?

(choose 3)

Response:

- A. Data Source
- B. Assessment Bins
- C. Model Type
- D. Event Level
- E. Response Variable
- F. Link Function

**Answer: A,D,E**

## Question: 2

Your company has a dataset that represents global sales. You are a part of a team of analysts that each have responsibility for a certain region of the world. You decide to create a data source filter to suppress every region but yours.

What effect will this have on any new explorations that your teammates create?

Response:

- A. It will delete all observations that do not match your region.
- B. It will have no effect on any observations in the dataset.
- C. It will suppress all observations that do not match your region.
- D. It will suppress all observations that do not match their corresponding region.

**Answer: B**

## Question: 3

Refer to the exhibit:



Which is the modeling approach that should be used when fitting the Target Gift Amount variable?  
Response:

- A. Linear regression model with Interaction effects.
- B. Generalized linear model with a Poisson distribution and Identity link.
- C. Generalized linear model with a Normal distribution and Log Link.
- D. Logistic regression model.

**Answer: C**

**Question: 4**

Refer to the exhibit from a linear regression model in SAS Visual Statistics.

Parameter	Estimate	Standard Error	t Value	Pr >  t
Intercept	102.9345	12.40326	8.298987	<0.00001
Age	-0.22697	0.099837	-2.27343	0.03224
MaxPulse	0.303217	0.136495	2.221449	0.03601
RestPulse	-0.02153	0.066054	-0.326	0.74725
RunPulse	-0.36963	0.119853	-3.08401	0.00508
RunTime	-2.62865	0.384562	-6.83544	<0.00001
Weight	-0.07418	0.054593	-1.35873	0.18687

Based on the table above and assuming a significance level of 0.05, what can be concluded about the linear regression model?

Response:

- A. The Intercept is an important predictor of the response.
- B. RestPulse is a significant predictor of the response.
- C. For one one-unit increase in RunTime, there is an expected increase in the response of 2.6287.
- D. For a .03696 unit decrease in RunPulse, there is an expected one-unit increase in the response.

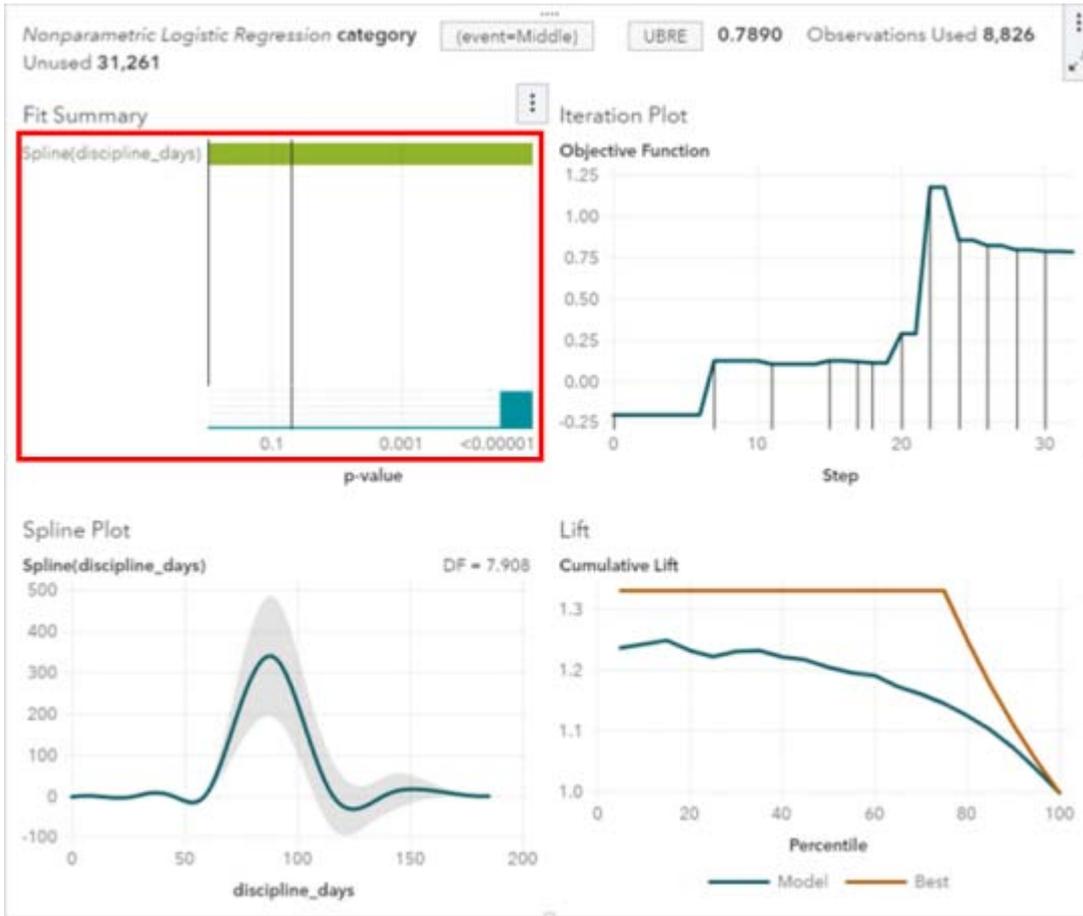
Answer: C

Question: 5

In the below nonparametric logistic regression results display, where would you click to get a plot of significant continuous effects?



Solution:



Determine whether the given solution is correct?

Response:

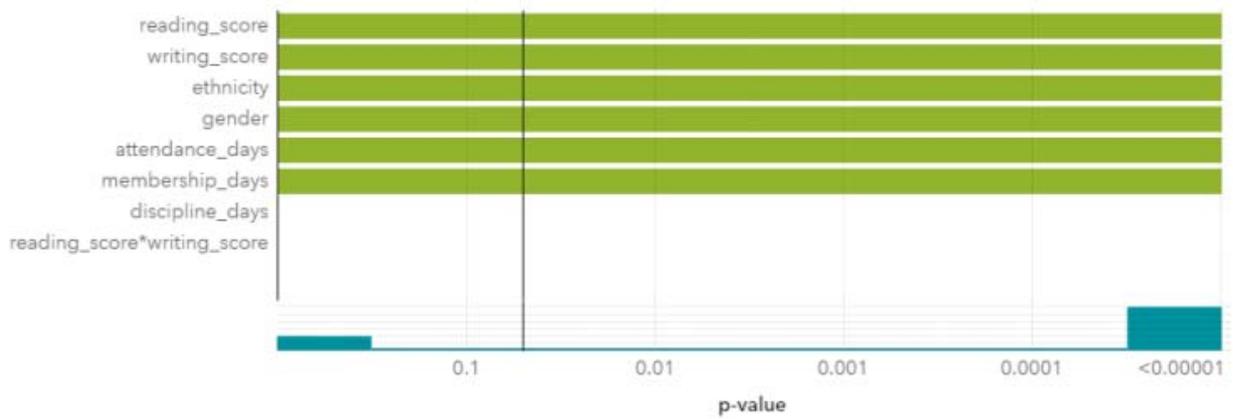
- A. Correct
- B. Incorrect

**Answer: A**

**Question: 6**

Refer to the exhibit:

### Fit Summary



Description	Value
Number of Model Effects	9
Number of Classification Effects	2
Number of Columns in X	14
Rank of Cross-product Matrix	10
Number of Observations Read	40,087
Number of Observations Used	8,826

Which option was not specified in creating the linear regression model using SAS Visual Statistics?

Response:

- A. interaction term
- B. group-by variable
- C. variable selection
- D. continuous effects

**Answer: B**

### Question: 7

Refer to the exhibit:

Data		Visualiz
DIGITAL_CLICKSTREAM_DATA		Sale Amount
Search data		\$5,714.44
Organic Search Visit Flag		\$1,913.91
Paid Search Visit Flag		\$1,531.00
<b>Sale Amount</b>		\$1,289.24
Session ID (count)		\$1,079.89
Social Visit Flag		\$1,077.83
State Region Latitude		\$1,001.45
State Region Longitude		\$829.60
.....		\$758.34
Name		\$754.93
Classification		\$727.65
Model type		\$716.06
Format		\$681.28
Aggregation		\$652.29

Prior to performing a decision tree analysis, you need to assess the default Values of Classification and Model Type Properties for Sale Amount. The variable represents product purchase amounts from an organization's e-commerce website.

How do you want the decision tree algorithm to treat this variable?

Response:

- A. Classification = Measure & Model Type = Continuous
- B. Classification = Category & Model Type = Discrete
- C. Classification = Measure & Model Type = Discrete
- D. Classification = Category & Model Type = Continuous

**Answer: A**

## Question: 8

Which equation does NOT represent a linear model?

Note:  $b_i$  are parameters and  $X_i$  are variables.

Response:

- A.  $y = b_0 + b_1X_1 + b_2X_2$
- B.  $y = b_0 + b_1X_1 + b_2X_2 + b_3(X_1X_2)$
- C.  $y = b_0 + b_1X_1 + (b_2/b_1)X_2$
- D.  $y = b_0 + b_1X_1 + b_2X_1^3$

**Answer: C**



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