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SAS Institute

A00-272

SAS Certified Visual Modeler Using SAS Visual Statistics 7.4

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Question: 1

Which model does not produce score code?
Response:

A.Decision Tree using interactive mode
B.Regression using interaction effects
C.Regression using the group by option
D.Decision Tree using the rapid growth option

Answer: A

Question: 2

Which equation does NOT represent a linear model?
Note: bi are parameters and Xi are variables.
Response:

A.y = b0 + b1X1 + b2X2
B.y = b0 + b1X1 + b2X2 + b3(X1X2)
C.y = b0 + b1X1 + (b2/b1)X2
D.y = b0 + b1X1 + b2X1 3

Answer: C

Question: 3

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: ADE

Question: 4

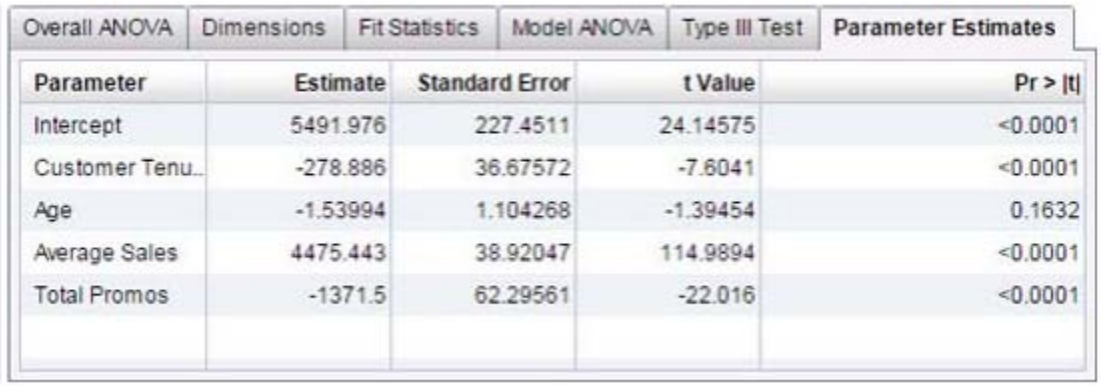
You perform a logistic regression on a multinomial response variable in SAS Visual Statistics that has 3 levels: Small, Medium, Large. "Large" is specified as the event. Which statement is true?
Response:

A.The other levels are grouped into one non-event.
B.An ordinal logistic regression is performed.
C.A multinomial logistic regression is performed.
D.The other levels are offset to account for exposure.

Answer: A

Question: 5

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



Overall ANOVA | Dimensions | Fit Statistics | Model ANOVA | Type III Test | Parameter Estimates

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	5491.976	227.4511	24.14575	<0.0001
Customer Tenu...	-278.886	36.67572	-7.6041	<0.0001
Age	-1.53994	1.104268	-1.39454	0.1632
Average Sales	4475.443	38.92047	114.9894	<0.0001
Total Promos	-1371.5	62.29561	-22.016	<0.0001

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.Age is a significant predictor of the response.
C.For one one-unit increase in Average Sales, there is an expected increase in the response of 4475.443.
D.For a 1371.5 unit decrease in Total Promos, there is an expected one-unit increase in the response.

Answer: C

Question: 6

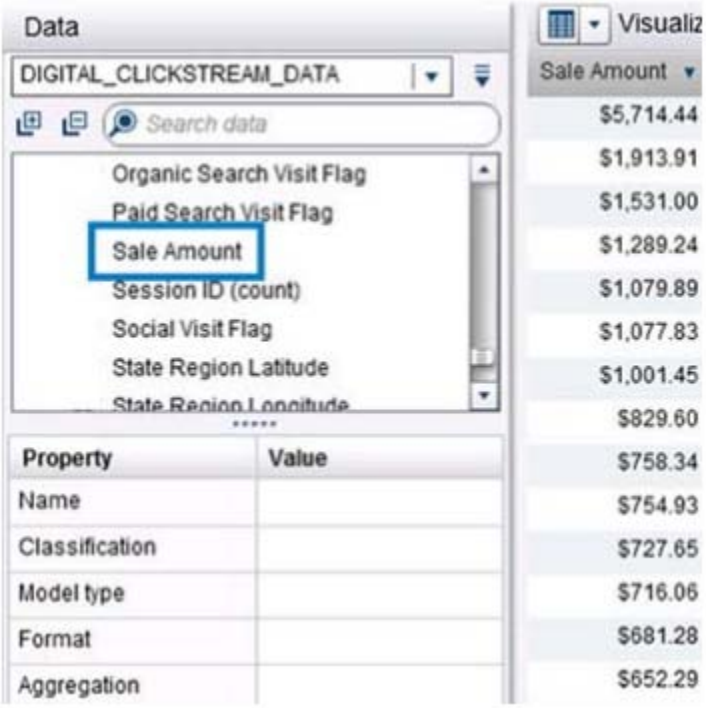
Your company has a dataset loaded into LASR that represents global sales. You are a part of a team of analysts that each have responsibility for a certain region of the world. You decide to create a data source filter to suppress every region but yours.
What effect will this have on any new explorations 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: 7

Refer to the exhibit:



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

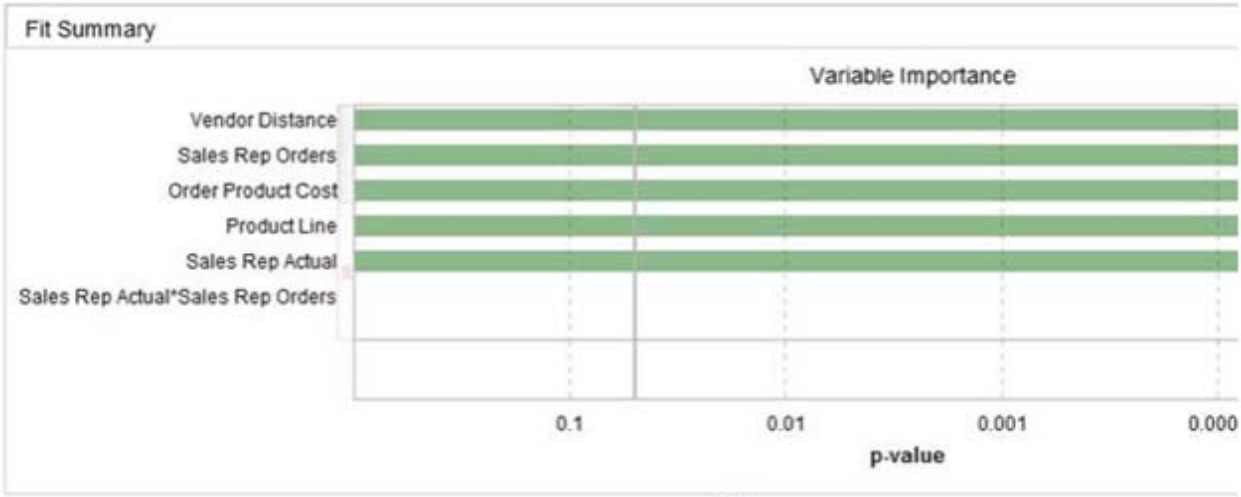
You have a regression model effect that represents the total amount of sales. In addition to that, you would like to create a model effect that represents the average amount of sales. Which option should you use?
Response:

A.Create an aggregated measure using the Avg aggregation on total amount of sales.
B.Create a calculated item that divides total amount of sales by the total amount of items sold.
C.Create a calculated item by duplicating the original model effect and changing its default aggregation to Average.
D.Create an aggregated measure using the Sum aggregation of total amount of sales divided by the Sum aggregation of total amount of items sold.

Answer: C

Question: 9

Refer to the exhibit:



Overall ANOVA | **Dimensions** | Fit Statistics | Model ANOVA | Type III Test | Parameter Estimates

Description	
Number of Model Effects	
Number of Classification Effects	
Number of Columns in X	
Rank of Cross-product Matrix	
Number of Observations Read	
Number of Observations Used	

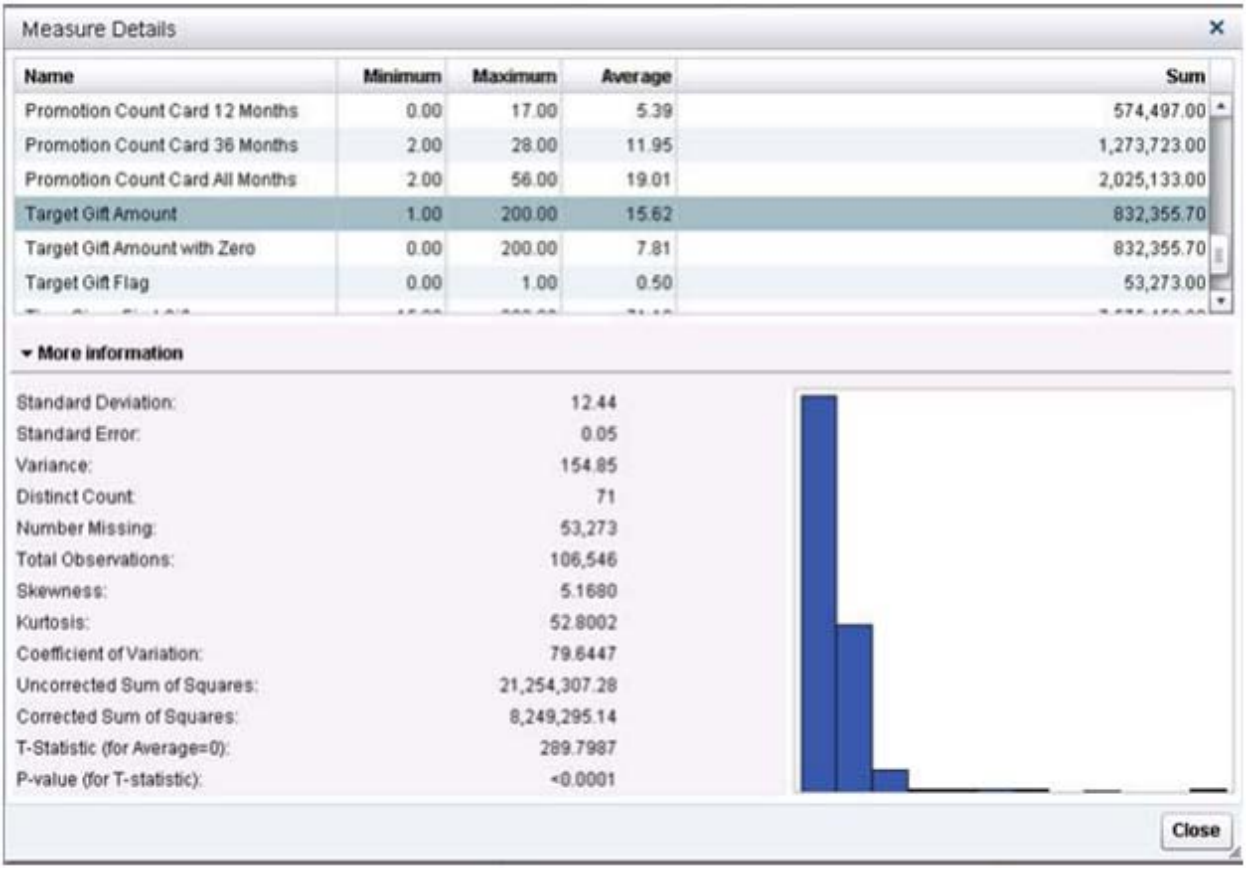
Which option was not specified in creating the linear regression model using SAS Visual Statistics?
Response:

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

Answer: B

Question: 10

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

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