[Apr-2025 A00-255 Dumps are Available for Instant Access using DumpsMaterials [Q20-Q42

[Apr-2025] A00-255 Dumps are Available for Instant Access using DumpsMaterials
A00-255 Dumps 2025 - New SASInstitute A00-255 Exam Questions

SASInstitute A00-255 certification exam is all about SAS predictive modeling using SAS Enterprise Miner 14. The main aim of this certification is to test your knowledge and skills in predictive modeling techniques and how you can use SAS Enterprise Miner to solve business problems. The A00-255 certification exam is not only essential for SAS users but also for data scientists, statisticians, and business analysts who want to sharpen their skills in predictive modeling using SAS tools.

SAS Predictive Modeling Using SAS Enterprise Miner 14 is a certification exam offered by SAS Institute that validates the candidate's knowledge and skills in using SAS Enterprise Miner for predictive modeling. A00-255 exam is designed to test the candidate's ability to develop predictive models using various statistical and machine learning techniques, as well as their understanding of the data mining process.

QUESTION 20

Choose the correct statement that illustrates Decision Tree Split Search for continuous (interval) inputs:

Select one:

Response:
* The variable goes through a non-linear transformation, and the transformed variable is used for testing.
* The variable goes through a binning process, the bins are weighted based on the proportion of events in each bin, and then finally tested as an optimal split point.
* Each unique value has the potential of being the optimal split point.
* Each unique value has the potential of being the optimal split point, except for the extreme observation.

QUESTION 21

What percentage of observations in the test data has TARGET=1?

Response:
* 16.5924
* 16.6627
* 16.8874
* 83.3333

QUESTION 22

Look over the output from the Neural Network model. Which of the following statement(s) is (are) true?

Response:
* The model has too few input variables.
* The optimization for the model has not been completed.
* The misclassification error for the test data is 0.154255.
* All of the above

QUESTION 23

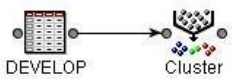
What is the variable worth of the PromCntCardAll variable in Segment 1?

Select one:

Response:
* 0.10844
* 0.24169
* 0.24914
* 0.27649

QUESTION 24

Open the diagram labeled Practice A within the project labeled Practice A. Perform the following in SAS Enterprise Miner:



1. Set the Clustering method to Average.

2. Run the Cluster node.

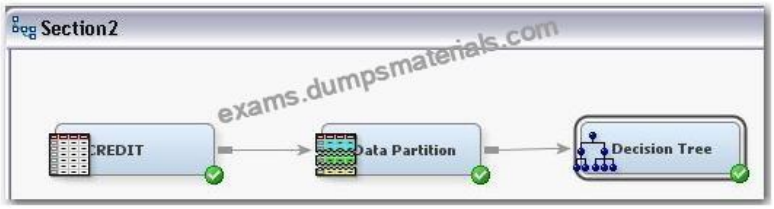
What is the Cubic Clustering Criterion statistic for this clustering?

Response:
* 5.00
* 14.69
* 5862.76
* 67409.93

QUESTION 25

Perform these tasks in SAS Enterprise Miner:

* Add a Decision Tree node, as shown below. (Make sure you use only default options in the Decision Tree node.)



* Run the Decision Tree node.

In the decision tree model, what is the importance of the variable InqCnt06?

Response:
* less than 0.149999
* 0.15-0.299999
* 0.30-0.449999
* 0.45 or higher

QUESTION 26

Perform these tasks in SAS Enterprise Miner:

– Add a Decision Tree node after the Impute node with TARGET as the dependent variable and all other input variables as independent variables (main effects only). Configure the decision tree to use 1 for Number of Surrogate Rules and Largest for Method in Subtree. Do not change any other property of the Decision Tree node.

– Add another Neural Network node after the decision tree with TARGET as the dependent variable and all other input variables as independent variables (main effects only). Configure the Neural Network model to use Average Error for Model Selection Criterion. Do not change any other property for the Neural Network node. Run the process flow.

Which of the following variables was used in the decision tree model?

Response:
* TLDel90Cnt24
* TLDel3060Cnt24
* IMP_TLSatCnt
* InqFinanceCnt24.

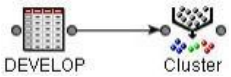
QUESTION 27

For the variable InqTimeLast, which term best describes the shape of its distribution?

Response:
* symmetric
* left skewed
* right skewed
* bimodal

QUESTION 28

Open the diagram labeled Practice A within the project labeled Practice A. Perform the following in SAS Enterprise Miner:



1. Set the Clustering method to Average.

2. Run the Cluster node.

What is the Cubic Clustering Criterion statistic for this clustering?

Response:
* 5.00
* 5862.76
* 67409.93
* 14.69

QUESTION 29

What is the number of missing values for the TLSum variable in the sample generated by SAS Enterprise Miner?

Response:
* 0
* 1-19
* 20-39
* 40 or more

QUESTION 30

Perform these tasks in SAS Enterprise Miner:

– Use the Regression node to build another regression model with TARGET as the dependent variable and all other input variables as independent variables (main effects only).

– Configure the regression model to use Stepwise for Selection Model and Validation Error for Selection Criteri a. Do not change any other property for the regression model.

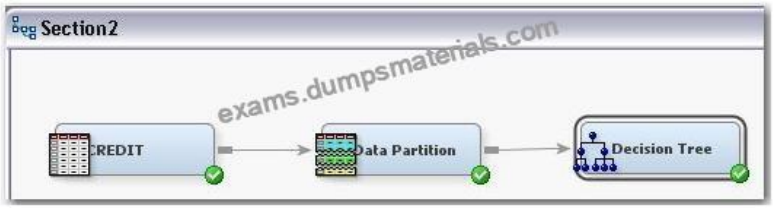
Consider the variable TLCnt03 in the selected model. Based on the model results, changing this variable by 1 unit will result in which of the following?

Response:
* reduction of odds for TARGET=1 by 0.3457
* reduction of odds for TARGET=1 by 0.708
* change of odds for TARGET=1 by a factor 0.3457
* change of odds for TARGET=1 by a factor 0.708

QUESTION 31

Perform these tasks in SAS Enterprise Miner:

Add a Decision Tree node, as shown below. (Make sure you use only default options in the Decision Tree node.)



Run the Decision Tree node.

Now suppose that the bank expects to make a profit of $200 USD when TARGET=1, but it expects to lose $25 USD when TARGET=0. Incorporate the above scenario, change the assessment measure of the decision tree to average square error, and then run the Decision Tree node. What is the total profit for the test data set?

Response:
* less than or equal to 299
* 300-999
* 1,000-1,599
* 1,600 or higher

QUESTION 32

Assume in a data mining project that the task is to predict rankings of a target variable as accurately as possible. Which of the

following should be used to judge prediction models?

Response:
* misclassification
* Gini coefficient
* average squared error
* KS statistic

QUESTION 33

Consider a binary target variable. Assume Accuracy is the desired assessment measure. Accuracy is not an option in the Decision Tree node. Which assessment measure can you use as a proxy for accuracy?

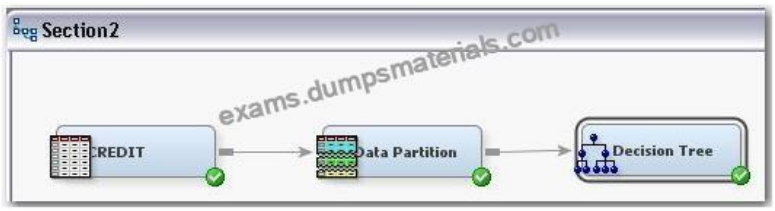
Select one:

Response:
* Mean Square Error
* Average Squared Error
* 1 – Misclassification Rate
* Total Profit

QUESTION 34

Perform these tasks in SAS Enterprise Miner:

Add a Decision Tree node, as shown below. (Make sure you use only default options in the Decision Tree node.)



Run the Decision Tree node.

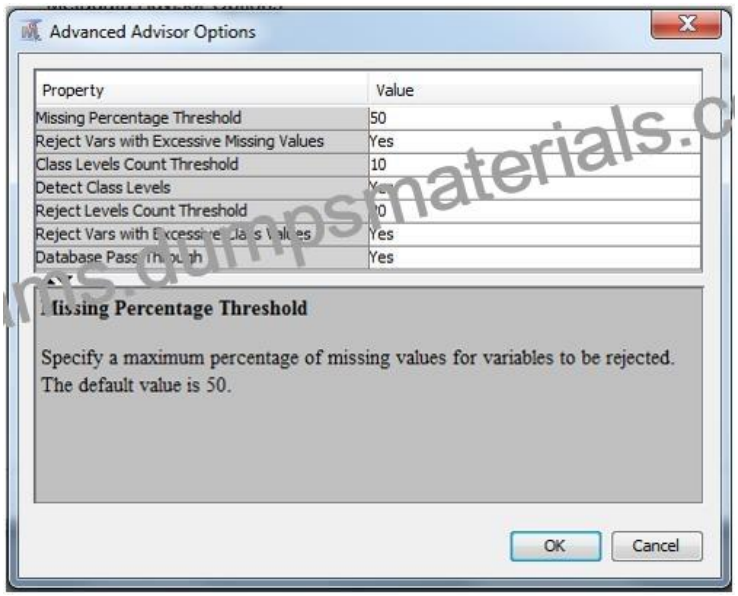
Suppose that the data has been oversampled and the probability that TARGET=1 is 0.10 in the population. Incorporate the above scenario and run the Decision Tree node again.

What is the misclassification rate in the validation data set?

Response:
* 0.10
* 0.157016
* 0.154788
* 0.162252

QUESTION 35

Refer to the exhibit:



The SAS data set credit_customers contains a numeric variable units_sold that holds only the values: 1, 2, 3, 4. Based on the settings provided in the Advanced Advisor Options, what will be the Role and Level of the units_sold variable when the credit_customers data set is created using Advanced Metadata Advisor in the Data Source Wizard?

Select one:

Response:
* Role: IntervalLevel: Input
* Role: InputLevel: Interval
* Role: InputLevel: Nominal
* Role: RejectedLevel: Nominal

QUESTION 36

You are building a model for a marketing campaign. Every responder to the campaign solicitation will generate $471 in gross revenue. The average cost per solicitation is $66. Incorporating the above information in a decision matrix, what would be the decision threshold (probability cutoff) generated in your model?

You may use a calculator for this question. On the certification exam, an on-screen calculator is provided for you.

Select one:

Response:
* 0.16
* 0.86
* 0.14
* 0.20

QUESTION 37

Perform these tasks in SAS Enterprise Miner:

* Continue to use the same diagram. Define and create the data set CREDIT_SCORE for scoring. The variables (their roles and measurement levels) in the CREDIT_SCORE data should be set as identical to those in the CREDIT dat a. The only exception is that the scoring data does not have a TARGET variable.

* Find the best model out of Decision Tree, Decision Tree (3-way), Regression, and Neural Network as defined by each of the four model’s overall performance in the validation data measured by average squared error. Now, use this best model to score the CREDIT_SCORE data.

CREDIT SCORE:

Alphabetic List of Variables and Attributes				
Variable	**Type**	**Len**	**Format**	**Label**
BanruptcyInd	Num	8	BEST12.	Bankruptcy Indicator
CollectCnt	Num	8	BEST12.	Number Collections
DerogCnt	Num	8	BEST12.	Number Public Derogatories
ID	Char	6		
InqCnt06	Num	8	BEST12.	Number Inquiries 6 Months
InqFinanceCnt24	Num	8	BEST12.	Number Finance Inquires 24 Months
InqTimeLast	Num	8	BEST12.	Time Since Last Inquiry
TARGET	Num	8		
TL50UtilCnt	Num	8	BEST12.	Number Trade Lines 50 pct Utilized
TL75UtilCnt	Num	8	BEST12.	Number Trade Lines 75 pct Utilized
TLBadCnt24	Num	8	BEST12.	Number Trade Lines Bad Debt 24 Months
TLBadDerogCnt	Num	8	BEST12.	Number Bad Dept plus Public Derogatories

Alphabetic List of Variables and Attributes				
Variable	**Type**	**Len**	**Format**	**Label**
TLBalHCRat	Num	8	PERCENT6.	Percent Trade Line Balance to High Credit
TLCnt	Num	8	BEST12.	Total Open Trade Lines
TLCnt03	Num	8	BEST12.	Number Trade Lines Opened 3 Months
TLCnt12	Num	8	BEST12.	Number Trade Lines Opened 12 Months
TLCnt24	Num	8	BEST12.	Number Trade Lines Opened 24 Months
TLDel3060Cnt24	Num	8	BEST12.	Number Trade Lines 30 or 60 Days 24 Months
TLDel60Cnt	Num	8	BEST12.	Number Trade Lines Currently 60 Days or Worse
TLDel60Cnt24	Num	8	BEST12.	Number Trade Lines 60 Days or Worse 24 Months
TLDel60CntAll	Num	8	BEST12.	Number Trade Lines 60 Days or Worse Ever
TLDel90Cnt24	Num	8	BEST12.	Number Trade Lines 90+ 24 Months
TLMaxSum	Num	8	DOLLAR9.	Total High Credit All Trade Lines
TLOpen24Pct	Num	8	PERCENT6.	Percent Trade Lines Open 24 Months
TLOpenPct	Num	8	PERCENT6.	Percent Trade Lines Open
TLSatCnt	Num	8	BEST12.	Number Trade Lines Currently Satisfactory
TLSatPct	Num	8	PERCENT6.	Percent Satisfactory to Total Trade Lines
TLSum	Num	8	DOLLAR9.	Total Balance All Trade Lines
TLTimeFirst	Num	8	BEST12.	Time Since First Trade Line
TLTimeLast	Num	8	BEST12.	Time Since Last Trade Line

The distribution of the predicted probabilities of TARGET=0 in the scoring data is approximately which of the following?

Response:
* normal
* bimodal
* left skewed
* right skewed

QUESTION 38

Refer to the following profit matrix and confusion matrix for a campaign soliciting product purchases. The predicted variable is a binary outcome.

Profit Matrix

	Solicit (Predicted=1)	Ignore (Predicted =0)
Actual =1	$100	$0
Actual = 0	$ (10)	$0

Confusion Matrix

	Solicit (Predicted=1)	Ignore (Predicted =0)
Actual = 1	7000	1000
Actual = 0	1000	1000

Based on the above tables, what is the average profit? You may use a calculator for this question. On the certification exam, an on-screen calculator is provided for you.

Select one:

Response:
* 6.9
* 690
* 69
* 86.25

QUESTION 39

In segment 2, what percentage of GiftAvgCard36 values are between 6.6638 and 11.998?

Select one:

Response:
* 13.39%
* 14.00%

* 47.82%
* 48.59%

QUESTION 40

Transformation of input variables to make their distributions more symmetric will likely have what impact in a logistic regression?

Select one:

Response:
* increase the performance of logistic regression
* decrease the performance of logistic regression
* neither increase nor decrease the performance of logistic regression
* create convergence problems in maximum likelihood estimation

QUESTION 41

1. Define a new data source, PatternData, in SAS Enterprise Miner (SAS data set Patterndata.sas7bdat in the zip file distributed with this practice exam).

2. Set the role of all variables to Input, with the exception set the ID variable role to ID.

3. Set the measurement level for all variables to Interval, except:

– Set DemHomeOwner and StatusCatStarAll to Binary.

– Set DemCluster, DemGender, ID, and StatusCat96NK to Nominal.

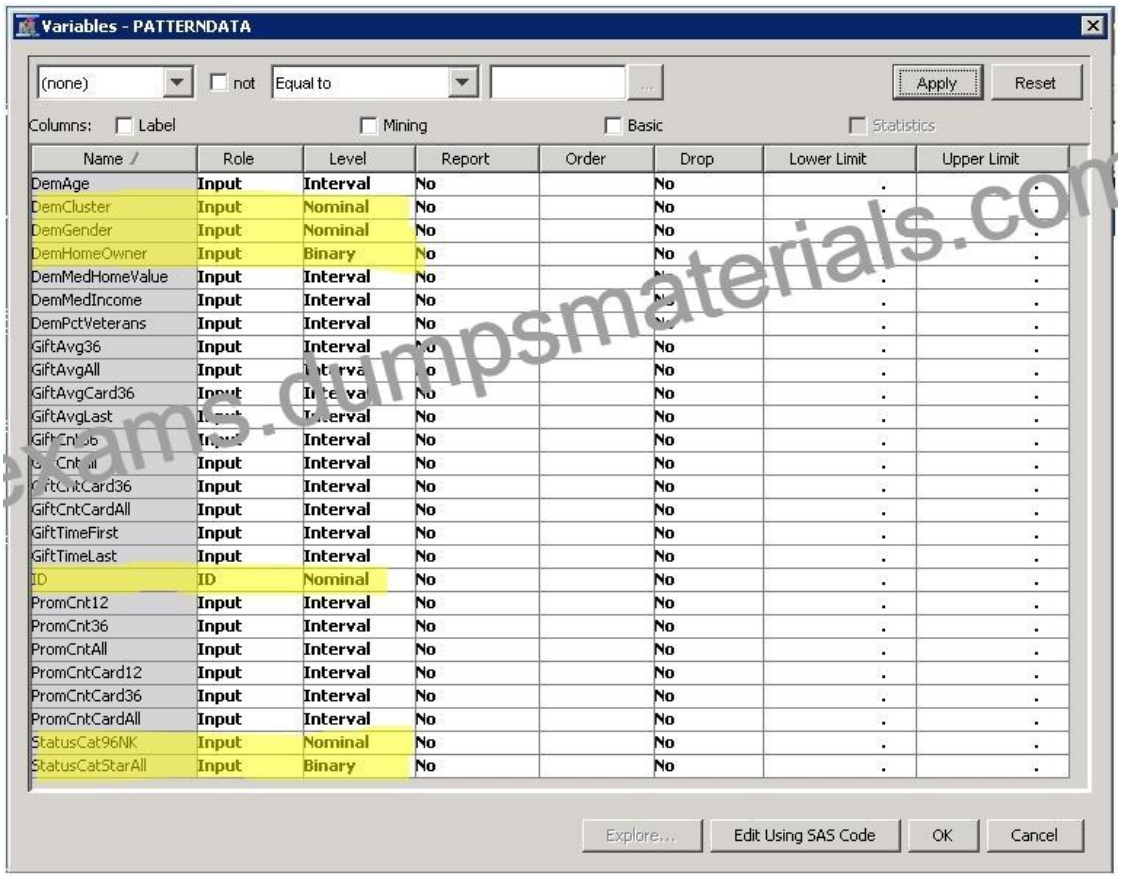
4. Create a new diagram (name it Section6) within the project labeled Test.

5. Add the data source, PatternData, to this diagram. Make sure the variable roles and measurements are the same as in the table below. (Check the highlighted rows carefully and reset roles/levels as needed.)

6. Connect a Cluster node to the data source.

7. Modify the Cluster node to exclude nominal and binary input variables.

8. Run the Cluster node.



How many clusters are created by the Cluster node?

Response:
* 3
* 8
* 9
* 6

QUESTION 42

For the variable TLCnt24, apply a Max Normal transformation. What transformation was selected by SAS Enterprise Miner?

Response:
* Log
* Exponential
* Square
* Square Root

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