Pass A00-255 SAS Predictive Modeling Exam: Study Tips & Resources!

SAS PREDICTIVE MODELING CERTIFICATION QUESTIONS & ANSWERS

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A00-255

SAS Certified Predictive Modeler Using SAS Enterprise Miner 14

55-60 Questions Exam – 725 / 1000 Cut Score – Duration of 165 minutes

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Get Ready for the A00-255 Exam:

Prepare effectively for the A00-255 exam using reliable **study strategies and methods**. Enhance your preparedness, deepen your understanding of the Advanced Analytics, and enhance your likelihood of achieving success in the SAS Certified Predictive Modeler Using SAS Enterprise Miner 14 with our comprehensive guide. Embark on your path to exam excellence today.

Know More About the SAS Certified Predictive Modeler Using SAS Enterprise Miner 14 Certification:

Exam Name	Predictive Modeling Using SAS Enterprise Miner 14
Exam Code	A00-255
Exam Duration	165 minutes
Exam Questions	55-60
Passing Score	725 / 1000
Exam Price	$250 (USD)
Books / Training	**Applied Analytics Using SAS Enterprise Miner** **Predictive Modeling with SAS Enterprise Miner**
Exam Registration	**Pearson VUE**
Sample Questions	**SAS Predictive Modeler Certification Sample Question**
Practice Exam	**SAS Predictive Modeler Certification Practice Exam**

Learn More About the A00-255 Syllabus:

Objective	Details
Data Sources - 20-25%	
Create data sources from SAS tables in Enterprise Miner	- Use the Basic Metadata Advisor - Use the Advanced Metadata Advisor - Customize the Advanced Metadata Advisor - Set Role and Level meta data for data source variables - Set the Role of the table (raw, scoring, transactional, etc)

Objective	Details
Explore and assess data sources	- Create and interpret plots, including Histograms, Pie charts, Scatter plot, Time series, Box plot - Identify distributions - Find outlying observations - Find number (or percent) of missing observations - Find levels of nominal variables - Explore associations between variables using plots by highlighting and selecting data - Compare balanced and actual response rates when oversampling has been performed - Explore data with the STAT EXPLORER node. - Explore input variable sample statistics - Browse data set observations (cases)
Modify source data	- Replace zero values with missing indicators using the REPLACEMENT node - Use the TRANFORMATION node to be able to correct problems with input data sources, such as variable distribution or outliers. - Use the IMPUTE node to impute missing values and create missing value indicators - Reduce the levels of a categorical variable - Use the FILTER node to remove cases
Prepare data to be submitted to a predictive model	- Select a portion of a data set using the SAMPLE node - Partition data with the PARTITION Node - Use the VARIABLE SELECTION node to identify important variables to be included in a predictive model. - Use the PARTIAL LEAST SQUARES node to identify important variables to be included in a predictive model. - Use a DECISION TREE or REGRESSION nodes to identify important variables to be included in a predictive model.
Building Predictive Models - 35-40%	
Describe key predictive	- Data partitioning: training, validation, test data sets - Observations (cases), independent (input) variables,

Objective	Details
modeling terms and concepts	dependent (target) variables - Measurement scales: Interval, ordinal, nominal (categorical), binary variables - Prediction types: decisions, rankings, estimates - Dimensionality, redundancy, irrelevancy - Decision trees, neural networks, regression models - Model optimization, overfitting, underfitting, model selection - Describe ensemble models
Build predictive models using decision trees	- Explain how decision trees identify split points - Build decision trees in interactive mode - Change splitting rules - Explain how missing values can be handled by decision trees - Assess probability using a decision tree - Prune decision trees - Adjust properties of the DECISION TREE node, including: subtree method, Number of Branches, Leaf Size, Significance Level, Surrogate Rules, Bonferroni Adjustment - Interpret results of the decision tree node, including: trees, leaf statistics, treemaps, score rankings overlay, fit statistics, output, variable importance, subtree assessment plots - Explore model output (exported) data sets
Build predictive models using regression	- Explain the relationship between target variable and regression technique - Explain linear regression - Explain logistic regression (Logit link function, maximum likelihood) - Explain the impact of missing values on regression models - Select inputs for regression models using forward, backward, stepwise selection techniques - Adjust thresholds for including variables in a model - Interpret a logistic regression model using log odds - Interpret the results of a REGRESSION node (Output, Fit Statistics, Score Ranking Overlay charts) - Use fit statistics and iteration plots to select the optimum

Objective	Details
	regression model for different decision types - Add polynomial regression terms to regression models. - Determine when to add polynomial terms to linear regression models.
Build predictive models using neural networks	- Theory of neural networks (Hidden units, Tanh function, bias vs intercept, variable standardization) - Build a neural network model - Use regression models to select inputs for a neural network - Explain how neural networks optimize their model (stopped training) - Recognize overfit neural network models. - Interpret the results of a NEURAL NETWORK node, including: Output, Fit Statistics, Iteration Plots, and Score Rankings Overlay charts
Predictive Model Assessment and Implementation - 25-30%	
Use the correct fit statistic for different prediction types	- Misclassification - Average Square Error - Profit/Loss - Other standard model fit statistics
Use decision processing to adjust for oversampling (separate sampling)	- Explain reasons for oversampling data - Adjust prior probabilities
Use profit/loss information to assess model performance	- Build a profit/loss matrix - Add a profit/loss matrix to a predictive model - Determine an appropriate value to use for expected profit/loss for primary outcome - Optimize models based on expected profit/loss
Compare models	- Model assessment statistics

Objective	Details
with the MODEL COMPARISON node	- ROC Chart - Score Rankings Chart, including (cumulative) % response chart, (cumulative) Lift chart, gains chart. - Total expected profit - Effect of oversampling
Score data sets within Enterprise Miner	- Configure a data set to be scored in Enterprise Miner - Use the SCORE node to score new data - Save scored data to an external location with the SAVE DATA node - Export SAS score code
Pattern Analysis - 10-15%	
Identify clusters of similar data with the CLUSTER and SEGMENT PROFILE nodes	- Select variables to use to define the clusters - Standardize variable scales - Explore clusters with results output and plots - Compare distribution of variables within clusters
Perform association and sequence analysis (market basket analysis)	- Explain association concepts (Support, confidence, expected confidence, lift, difference between association and sequence rules) - Create a data set for association analysis - Interpret the results and graphs of the ASSOCIATION node.

Prepare with A00-255 Sample Questions:

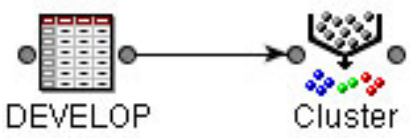
Question: 1

Which of the following solves problems for you when you impute missing values?

a) When you impute a synthetic value, it replaces missing values with 1 or 0.
b) When you impute a synthetic value, it eliminates the incomplete case problem.
c) When you impute a synthetic value, predictive information is retained.
d) When you impute a synthetic value, each missing value becomes an input to the model.

Answer: b

Question: 2



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 Importance statistic for MTGBal (Mortgage Balance)?

a) 0.32959
b) 0.42541
c) 0.42667
d) 1.000000

Answer: c

Question: 3

1. Create a project named Insurance, with a diagram named Explore.
2. Create the data source, DEVELOP, in SAS Enterprise Miner. DEVELOP is in the directory c:\workshop\Practice.
3. Set the role of all variables to Input, with the exception of the Target variable, Ins (1= has insurance, 0= does not have insurance).
4. Set the measurement level for the Target variable, Ins, to Binary.
5. Ensure that Branch and Res are the only variables with the measurement level of Nominal.
6. All other variables should be set to Interval or Binary.
7. Make sure that the default sampling method is random and that the seed is 12345.

What is the mean credit card balance (CCBal) of the customers with a variable annuity?

a) $0.00
b) $8,711.65
c) $9,586.55
d) $11,142.45

Answer: d

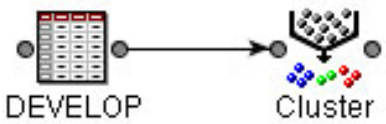
Question: 4

Which of the following sequential selection methods do you use so that SAS Enterprise Miner will look at all variables already included in the model and delete any variable that is not significant at the specified level?

a) Backward
b) Forward
c) Stepwise
d) None

Answer: d

Question: 5



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?

a) 5.00
b) 14.69
c) 5862.76
d) 67409.93

Answer: b

Question: 6

Which of the following is not true about results produced by the Regression node?

a) Model Information provides you with information that includes the number of target categories and the number of model parameters.
b) Variable Summary information identifies the roles of variables used by the Regression node.
c) Type 3 Analysis of Effects provides you with information about the number of parameters that each input contributes to the model.
d) Fit Statistics can provide information that affects decision predictions, but does not affect estimate predictions.

Answer: d

Question: 7

Which of the following is not a good reason to"regularize" input distributions using a simple transformation?

a) Another benefit is ease in model interpretation.
b) One benefit is improved model performance.
c) When you perform regression, inputs with highly skewed or highly kurtotic distributions can be selected over inputs that would yield better overall predictions.
d) Regression models are sensitive to extreme or outlying values in the input space.

Answer: a

Question: 8

1. Create a project named Insurance, with a diagram named Explore.
2. Create the data source, DEVELOP, in SAS Enterprise Miner. DEVELOP is in the directory c:\workshop\Practice.
3. Set the role of all variables to Input, with the exception of the Target variable, Ins (1= has insurance, 0= does not have insurance).
4. Set the measurement level for the Target variable, Ins, to Binary.
5. Ensure that Branch and Res are the only variables with the measurement level of Nominal.
6. All other variables should be set to Interval or Binary.
7. Make sure that the default sampling method is random and that the seed is 12345.

The variable Branch has how many levels?

a) 8
b) 12
c) 19
d) 47

Answer: c

Question: 9

Reference Scenario: **click here**
Reference Scenario: **click here**

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

a) The model has too few input variables.
b) The optimization for the model has not been completed.
c) The misclassification error for the test data is 0.154255.
d) All of the above

Answer: b

Question: 10

Reference Scenario: **click here**

Reference Scenario: **click here**

Multicollinearity in regression refers to which of the following?

a) high correlations among input variables
b) non-normality of the target variable
c) non-constant variance of the target variable
d) high skewness in distributions of input variables

Answer: a

Tips for Success in the Predictive Modeling Using SAS Enterprise Miner 14 Exam:

Familiarize Yourself with the A00-255 Exam Format:

Before starting your study regimen, it's crucial to acquaint yourself with the structure of the A00-255 exam. Take a moment to **review the exam syllabus**, grasp the test format, and pinpoint the main areas of concentration. Having prior knowledge of the exam's layout will assist you in customizing your study strategy effectively.

Create A Study Timetable for the A00-255 Exam:

To prepare efficiently for the A00-255 exam, devise a study schedule that aligns with your lifestyle and preferred learning approach. Allocate dedicated time slots for studying each day, prioritizing topics according to their significance and your level of proficiency. Maintaining consistency by adhering to your schedule and steering clear of procrastination is imperative.

Diversify Your Study Sources:

Ensure you broaden your study material beyond just one source. Use various resources like textbooks, online courses, practice exams, and study guides to understand the A00-255 exam subjects thoroughly. Each resource provides distinct perspectives and explanations that can enrich your learning journey.

Regular Practice for the A00-255 Exam:

Consistent practice is essential for effective preparation for the A00-255 exam. Engaging in regular practice enables you to strengthen your grasp of essential concepts, improve your problem-solving abilities, and become accustomed to the

exam format. Allocate dedicated time to solving practice questions and sample tests to assess your progress accurately.

Allow for Rest and Breaks:

While studying is crucial, taking breaks and rest is equally vital. Pushing yourself too hard without sufficient rest can result in burnout and reduced effectiveness. Incorporate short breaks into your study sessions to recharge and stay focused.

Maintain Organization Throughout Your A00-255 Exam Preparation:

Keep yourself organized as you prepare for the A00-255 exam by monitoring your progress and managing your materials effectively. Ensure your study area remains neat, utilize folders or digital aids to arrange your notes and resources, and develop a checklist of topics to review. Employing an organized approach will assist you in staying focused and reducing stress levels.

Seek Guidance from Mentors:

Feel free to ask for clarification when you come across confusing or difficult concepts during your study sessions. Seek support from peers, instructors, or online forums to address any uncertainties. Addressing doubts will prevent misunderstandings and ensure you develop a strong **understanding of the material**.

Regular Review is Crucial for the A00-255 Exam:

Frequent revisiting of material is paramount for retaining information over the long term. Revisit topics you've already covered to strengthen your comprehension and pinpoint areas that need further focus. Regular review sessions will **solidify your understanding** and enhance your confidence.

Master Time Management for the A00-255 Exam:

Skillful time management is essential on the exam day to ensure you finish all sections within the designated time limits. During your practice sessions, replicate the conditions of the A00-255 exam and practice managing your time accordingly. Formulate strategies for efficiently addressing each section to optimize your score.

Have A Positive Mindset:

Finally, maintain a positive attitude and have faith in your capabilities. Stay confident in your preparation and trust that you are well-prepared to handle the A00-255 exam. Envision success, remain focused, and approach the exam calmly and objectively.

Benefits of Passing the A00-255 Exam:

- Completing the A00-255 exam unlocks pathways to fresh career prospects and progression within your industry.
- The extensive preparation needed for the A00-255 certification equips you with comprehensive knowledge and practical expertise applicable to your field.
- Possessing the A00-255 certification showcases your mastery and dedication to excellence, garnering acknowledgment from both peers and employers.
- Certified professionals often command higher salaries and have greater potential for earning than those without certification.
- Acquiring the A00-255 certification validates your competence and trustworthiness, fostering confidence among clients, employers, and peers.

Explore the Trusted Practice Exam for the A00-255 Certification:

At analyticsexam.com, you'll find comprehensive resources for the A00-255 exam. Our platform offers authentic practice exams tailored specifically for the A00-255 certification. What advantages do these practice exams provide? You'll encounter genuine exam-style questions expertly crafted by industry professionals, allowing you to improve your performance in the exam. Rely on analyticsexam.com for rigorous, unlimited access to **A00-255 practice exams** for two months, allowing you to boost your confidence steadily. Through focused practice, numerous candidates have successfully streamlined their path to achieving the SAS Certified Predictive Modeler Using SAS Enterprise Miner 14.

Final Remarks:

Preparing for the A00-255 examination demands commitment, strategic planning, and efficient study methods. Implementing these study suggestions can enrich your preparation, elevate your self-assurance, and increase your likelihood of excelling in the exam. Keep your focus sharp, maintain organization, and believe in your abilities. Best of luck!

Here Is the Trusted Practice Test for the A00-255 Certification

AnalyticsExam.Com is here with all the necessary details regarding the A00-255 exam. We provide authentic practice tests for the A00-255 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on AnalyticsExam.Com for rigorous, unlimited two-month attempts on the **A00-255 practice tests**, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the SAS Certified Predictive Modeler Using SAS Enterprise Miner 14.

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