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Microsoft DP-100 Practice Questions

Designing and Implementing a Data Science Solution on Azure

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We provide updated and real Microsoft DP-100 exam questions that are sufficient to clear the Designing and Implementing a Data Science Solution on Azure (DP-100) exam in one go. The product of GetValidTest is created by seasoned professionals and is frequently updated to reflect changes in the content of the DP-100 Exam Questions.

Candidates for the DP-100 Certification Exam should have experience with Azure services and tools, as well as a strong understanding of data science concepts and methodologies. It is recommended that you have at least one year of experience working with data science projects before attempting DP-100 exam. With the DP-100 certification, you can demonstrate your expertise to potential employers and advance your career in the field of data science.

Microsoft DP-100: Designing and Implementing a Data Science Solution on Azure certification is beneficial for individuals who want to demonstrate their expertise in data science and Azure technologies to potential employers. Designing and Implementing a Data Science Solution on Azure certification highlights the candidate's proficiency in designing and implementing data solutions on the Azure platform, and it can help them stand out in a competitive job market.

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The DP-100 certification is an excellent way for data professionals to demonstrate their expertise in designing and implementing data science solutions on the Azure platform. With the demand for data science skills on the rise, earning the DP-100 Certification can open up new career opportunities and help professionals stay competitive in the job market.

Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q136-Q141):

NEW QUESTION # 136

You are developing a linear regression model in Azure Machine Learning Studio. You run an experiment to compare different algorithms.

The following image displays the results dataset output:

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the image.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation

Box 1: Boosted Decision Tree Regression

Mean absolute error (MAE) measures how close the predictions are to the actual outcomes; thus, a lower score is better.

Box 2:

Online Gradient Descent: If you want the algorithm to find the best parameters for you, set Create trainer mode option to Parameter Range. You can then specify multiple values for the algorithm to try.

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/evaluate-model>

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/linear-regression>

NEW QUESTION # 137

You create a binary classification model.

You need to evaluate the model performance.

Which two metrics can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. precision
- B. mean absolute error
- C. relative absolute error
- D. accuracy
- E. coefficient of determination

Answer: A,D

Explanation:

The evaluation metrics available for binary classification models are: Accuracy, Precision, Recall, F1 Score, and AUC.

Note: A very natural question is: 'Out of the individuals whom the model, how many were classified correctly (TP)?' This question can be answered by looking at the Precision of the model, which is the proportion of positives that are classified correctly.

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance>

NEW QUESTION # 138

You are analyzing a raw dataset that requires cleaning.

You must perform transformations and manipulations by using Azure Machine Learning Studio.

You need to identify the correct modules to perform the transformations.

Which modules should you choose? To answer, drag the appropriate modules to the correct scenarios. Each module may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation:

Box 1: Clean Missing Data

Box 2: SMOTE

Use the SMOTE module in Azure Machine Learning Studio to increase the number of underrepresented cases in a dataset used for machine learning. SMOTE is a better way of increasing the number of rare cases than simply duplicating existing cases.

Box 3: Convert to Indicator Values

Use the Convert to Indicator Values module in Azure Machine Learning Studio. The purpose of this module is to convert columns that contain categorical values into a series of binary indicator columns that can more easily be used as features in a machine learning model.

Box 4: Remove Duplicate Rows

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/smote>

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/convert-to-indicator-values>

NEW QUESTION # 139

You must use in Azure Data Science Virtual Machine (DSVM) as a compute target.

You need to attach an existing DSVM to the workspace by using the Azure Machine Learning SDK for Python.

How should you complete the following code segment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation:

NEW QUESTION # 140

You create an Azure Machine Learning workspace.

You need to use the shared file system of the workspace to store a clone of a private Git repository.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Answer:

Explanation:

1 - Create a compute instance.

2 - Run the ssh-keygen command.

3 - Copy the public key to GitHub.

4 - Run the git clone command.

NEW QUESTION # 141

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