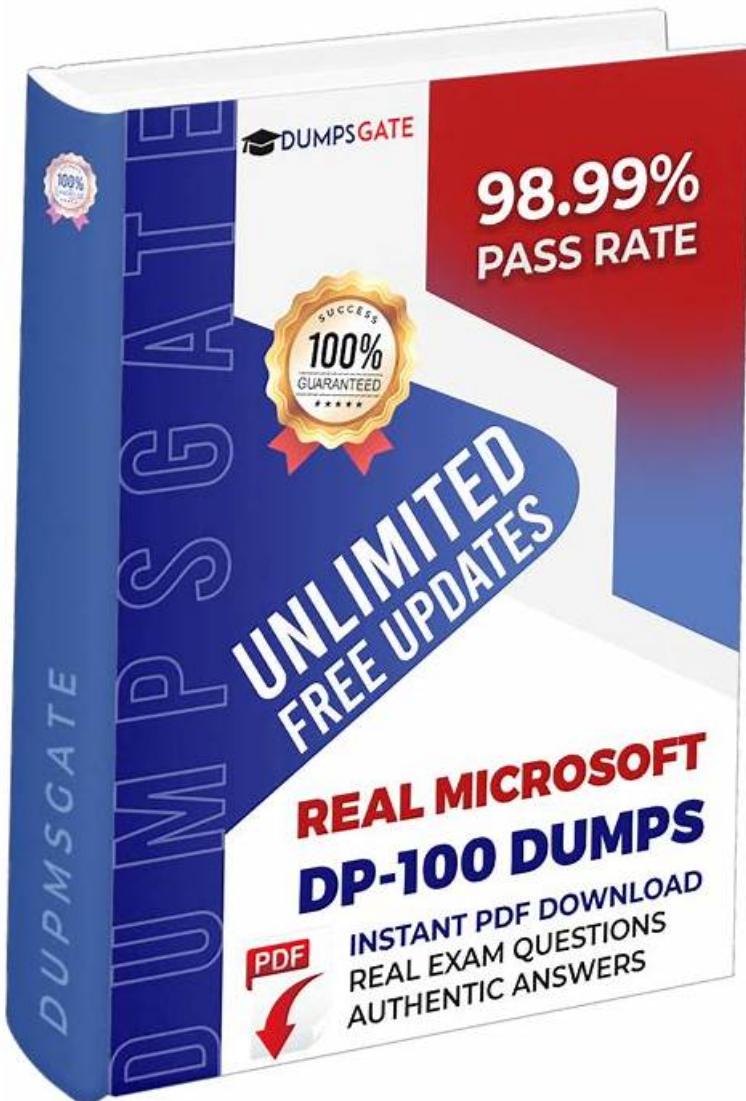


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What is the duration of the DP-100 Exam

- Number of Questions: 45-60
- Format: Multiple choices, multiple answers
- Length of Examination: 150 minutes
- Passing Score: 700/1000

>> Latest DP-100 Dumps Ebook <<

DP-100 exam dump, dumps VCE for Designing and Implementing a Data Science Solution on Azure

There is no denying the fact that everyone in the world wants to find a better job to improve the quality of life. Generally speaking, these jobs are offered only by some well-known companies. In order to enter these famous companies, we must try our best to get some certificates as proof of our ability such as the DP-100 Certification. Nowadays, the DP-100 certification has been one of the criteria for many companies to recruit employees. And in order to obtain the DP-100 certification, taking the DP-100 exam becomes essential.

3. Models Management and Optimization (20-25%):

- **Usage of model explainers for the interpretation of models:** The learners have to demonstrate their competence in choosing model interpreters and generating the features of important data.
- **Usage of Automated Machine Learning for the creation of optimal models:** This section requires your skills in retrieving the best models and getting data for Automated ML runs. It also covers competence in defining primary metrics, selecting pre-processing alternatives, and determining the algorithms to be searched. The candidates should be able to use the Automated Machine Learning from Azure ML SDK as well as Automated ML interface within Azure ML studios.
- **Models management:** This objective focuses on trained model registration and monitoring of data drift and model usage.
- **Usage of hyperdrive for the tuning of hyperparameters:** This domain will evaluate the ability of the applicants to define search space, primary metrics, and early termination alternatives. It also expects their skills in sampling techniques selection and model discovery that require optimal hyper-parameter values.

Microsoft DP-100 Certification Exam is designed to test the candidate's knowledge and skills in designing and implementing a data science solution on Azure. DP-100 exam is aimed at data scientists, data analysts, and other professionals who work with data and want to demonstrate their proficiency in using Azure tools and services to build scalable and efficient data solutions.

Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q41-Q46):

NEW QUESTION # 41

You are developing a deep learning model by using TensorFlow. You plan to run the model training workload on an Azure Machine Learning Compute Instance.

You must use CUDA-based model training.

You need to provision the Compute Instance.

Which two virtual machines sizes can you use? To answer, select the appropriate virtual machine sizes in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation:

CUDA is a parallel computing platform and programming model developed by Nvidia for general computing on its own GPUs (graphics processing units). CUDA enables developers to speed up compute-intensive applications by harnessing the power of GPUs for the parallelizable part of the computation.

Reference:

<https://www.infoworld.com/article/3299703/what-is-cuda-parallel-programming-for-gpus.html>

NEW QUESTION # 42

You plan to preprocess text from CSV files. You load the Azure Machine Learning Studio default stop words list.

You need to configure the Preprocess Text module to meet the following requirements:

Ensure that multiple related words from a single canonical form.

Remove pipe characters from text.

Remove words to optimize information retrieval.

Which three options should you select? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

er.

Reference:

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

NEW QUESTION # 43

Hotspot Question

You are developing a machine learning experiment by using Azure. The following images show the input and output of a machine learning experiment:

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION # 44

You need to select a feature extraction method.

Which method should you use?

- A. Kendall correlation
- B. Mutual information
- C. Permutation Feature Importance
- D. Mood's median test

Answer: A

Explanation:

In statistics, the Kendall rank correlation coefficient, commonly referred to as Kendall's tau coefficient (after the Greek letter τ), is a statistic used to measure the ordinal association between two measured quantities.

It is a supported method of the Azure Machine Learning Feature selection.

Note: Both Spearman's and Kendall's can be formulated as special cases of a more general correlation coefficient, and they are both appropriate in this scenario.

Scenario: The MedianValue and AvgRoomsInHouse columns both hold data in numeric format. You need to select a feature selection algorithm to analyze the relationship between the two columns in more detail.

References:

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

NEW QUESTION # 45

Hotspot Question

You use Data Science Virtual Machines (DSVMs) for Windows and Linux in Azure.

You need to access the DSVMs.

Which utilities should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION # 46

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New DP-100 Exam Question: <https://www.2pass4sure.com/Microsoft-Azure/DP-100-actual-exam-braindumps.html>

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