DP-090T00: Implementing a Machine Learning Solution with Microsoft Azure Databricks

Course ID #: 7000-602-ZZ-Z
Hours: 7
Delivery Method: Instructor-Led

Course Content

Course Description:

In this course, you will cover how to use Azure Databricks to explore, prepare, and model data; and integrate Databricks machine learning processes with Azure Machine Learning.

At Course Completion:

Students will be able to:
- Provision an Azure Databricks workspace and cluster
- Use Azure Databricks to train a machine learning model
- Use MLflow to track experiments and manage machine learning models
- Integrate Azure Databricks with Azure Machine Learning

Prerequisites:

Before attending this course, you should have experience of using Python to work with data, and some knowledge of machine learning concepts. Before attending this course, complete the following learning path on Microsoft Learn:1613.

Target Student:

This course is designed for data scientists with experience of Phython who need to learn how to apply their data science and machine learning skills on Azure Databricks.

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Topics:

Module 1: Introduction to Azure Databricks
- Getting Started with Azure Databricks
- Working with Data in Azure Databricks
- LAB: Getting Started with Azure Databricks
- LAB: Working with Data in Azure Databricks

Module 2: Training and Evaluating Machine Learning Models
- Preparing Data for Machine Learning
- Training a Machine Learning Model
- LAB: Training a Machine Learning Model
- LAB: Preparing Data for Machine Learning

Module 3: Managing Experiments and Models
- Using MLflow to Track Experiments
- Managing Models
- LAB: Using MLflow to Track Experiments
- LAB: Managing Models

Module 4: Integrating Azure Databricks and Azure Machine Learning
- Tracking Experiments with Azure Machine Learning
- Deploying Models

- LAB: Deploying Models in Azure Machine Learning
- LAB: Running Experiments in Azure Machine Learning

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Register for this class by visiting us at:

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Policies: Course Registration, Cancellation, Refund and Complaint Resolution

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NASBA Information

Level: Intermediate

Attendance Requirement: To be awarded the full credit hours, you must sign in for the course and attend the entire course.

Fields: Computer Software & Applications

CPEs: 28

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