



Train and Deploy a Machine Learning Model with Azure Machine Learning (DP-3007)

COURSE OVERVIEW

To train a machine learning model with Azure Machine Learning, you need to make data available and configure the necessary compute. After training your model and tracking model metrics with MLflow, you can decide to deploy your model to an online endpoint for real-time predictions. Throughout this learning path, you explore how to set up your Azure Machine Learning workspace, after which you train and deploy a machine learning model.

WHO WILL BENEFIT FROM THIS COURSE?

- Machine Learning Professionals
- Machine Learning Engineers

COURSE OBJECTIVES

- Make data available in Azure Machine Learning
- Work with compute targets in Azure Machine Learning
- Work with environments in Azure Machine Learning
- Run a training script as a command job in Azure Machine Learning
- Track model training with MLflow in jobs
- Register an MLflow model in Azure Machine Learning
- Deploy a model to a managed online endpoint

COURSE OUTLINE

Module 1: Make data available in Azure Machine Learning

- Learn about how to connect to data from the Azure Machine Learning workspace. You're introduced to datastores and data assets.

Module 2: Work with compute targets in Azure Machine Learning

- Learn how to work with compute targets in Azure Machine Learning. Compute targets allow you to run your machine learning workloads. Explore how and when you can use a compute instance or compute cluster.

Module 3: Work with environments in Azure Machine Learning

- Learn how to use environments in Azure Machine Learning to run scripts on any compute target.

Module 4: Run a training script as a command job in Azure Machine Learning

- Learn how to convert your code to a script and run it as a command job in Azure Machine Learning.



Module 5: Track model training with MLflow in jobs

- Learn how to track model training with MLflow in jobs when running scripts.

Module 6: Register an MLflow model in Azure Machine Learning

- Learn how to log and register an MLflow model in Azure Machine Learning.

Module 7: Deploy a model to a managed online endpoint

- Learn how to deploy models to a managed online endpoint for real-time inferencing.

WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

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- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

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