



Implement a Data Science and Machine Learning Solution for AI with Microsoft Fabric (DP-604T00)

COURSE OVERVIEW

This training dives into how data science and machine learning work in the Microsoft Fabric system. It shows students how to train models with notebooks, track progress with MLflow, and understand data with Data Wrangler. The course includes lab sessions for hands-on practice in data preparation, model training, and making batch predictions. DP-604 training helps students get better at setting up and applying machine learning for AI tasks using Microsoft Fabric's data science tools.

WHO WILL BENEFIT FROM THIS COURSE?

- Data Scientist
- Data Analyst
- Data Engineer

COURSE OBJECTIVES

- Get started with data science in Microsoft Fabric
- Explore data for data science with notebooks in Microsoft Fabric
- Preprocess data with Data Wrangler in Microsoft Fabric
- Train and track machine learning models with MLflow in Microsoft Fabric
- Generate batch predictions using a deployed model in Microsoft Fabric

COURSE OUTLINE

Get started with data science in Microsoft Fabric

- Understand the data science process
- Train models with notebooks in Microsoft Fabric
- Track model training metrics with MLflow and experiments
- Lab Explore data science in Microsoft Fabric

Explore data for data science with notebooks in Microsoft Fabric

- Load data and perform initial data exploration
- Gain knowledge about different types of data distributions
- Understand the concept of missing data and strategies to handle missing data effectively
- Visualize data using various data visualization techniques and libraries
- Lab Use notebook for data exploration in Microsoft Fabric



Preprocess data with Data Wrangler in Microsoft Fabric

- Learn Data Wrangler features and its role in the data science workflow
- Perform different types of preprocessing operations in data science
- Learn how to handle missing values and imputation strategies
- Use onehot encoding and other techniques to convert categorical data into a format suitable for machine learning algorithms
- Lab Preprocess data with Data Wrangler in Microsoft Fabric

Train and track machine learning models with MLflow in Microsoft Fabric

- Train machine learning models with opensource frameworks
- Train models with notebooks in Microsoft Fabric
- Track model training metrics with MLflow and experiments in Microsoft Fabric
- Lab Train and track a model in Microsoft Fabric

Generate batch predictions using a deployed model in Microsoft Fabric

- Save a model in the Microsoft Fabric workspace
- Prepare a dataset for batch predictions
- Apply the model to dataset to generate new predictions
- Save the predictions to a Delta table
- Lab Generate and save batch predictions

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

- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- 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

Interested in Private Group Training?

[Contact Us](#)