DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric

Category: AI, Data & Analytics | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Implement a data science and machine learning solution for AI with Microsoft Fabric
Related Exam:	DP-604

Course Overview

This course is designed to build practical skills in implementing data science and machine learning solutions using Microsoft Fabric. The course explores the complete end-to-end data science process, from understanding and exploring data to preparing and transforming datasets for analysis. Students will learn how to train, evaluate, and track machine learning models, as well as how to deploy those models and generate predictions using Microsoft Fabric tools and capabilities.

About This Course

This course is designed to build practical skills in implementing data science and machine learning solutions using Microsoft Fabric. The course explores the complete end-to-end data science process, from understanding and exploring data to preparing and transforming datasets for analysis. Students will learn how to train, evaluate, and track machine learning models, as well as how to deploy those models and generate predictions using Microsoft Fabric tools and capabilities.

Who Should Attend

This course is intended for data professionals and practitioners who regularly work with machine learning models and are responsible for building, evaluating, and deploying data science solutions. Students should already be familiar with the data science process, Python, and common open-source machine learning frameworks such as scikit-learn.

Prerequisites & Entry Requirements

General Prerequisites:

You should be familiar with basic data concepts and terminology.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track

machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric, Course ObjectivesGet started with data science in Microsoft FabricExplore data for data science with notebooks in Microsoft FabricPreprocess data with Data Wrangler in Microsoft FabricTrain and track machine learning models with MLflow in Microsoft FabricGenerate batch predictions using a deployed model in Microsoft Fabric

Detailed Course Outline

1 - Introduction to end-to-end analytics using Microsoft Fabric

- Explore end-to-end analytics with Microsoft Fabric
- Explore data teams and Microsoft Fabric
- Enable and use Microsoft Fabric
- Module assessment

2 - Get started with data science in Microsoft Fabric

- Understand the data science process
- Explore and process data with Microsoft Fabric
- Train and score models with Microsoft Fabric
- Module assessment

3 - Explore data for data science with notebooks in Microsoft Fabric

- Explore notebooks
- Load data for exploration
- Understand data distribution
- Check for missing data in notebooks
- Apply advanced data exploration techniques
- Visualize charts in notebooks
- Module assessment

4 - Preprocess data with Data Wrangler in Microsoft Fabric

- Understand Data Wrangler
- Perform data exploration
- Handle missing data
- Transform data with operators
- Module assessment

5 - Train and track machine learning models with MLflow in Microsoft Fabric

- Understand how to train machine learning models
- Train and track models with MLflow and experiments
- Manage models in Microsoft Fabric
- Module assessment

6 - Generate batch predictions using a deployed model in Microsoft Fabric

- Customize the model's behavior for batch scoring
- Prepare data before generating predictions
- Generate and save predictions to a Delta table
- Module assessment

, 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

□□ Certification Path

Microsoft Applied Skills: Implement a data science and machine learning solution for AI with Microsoft Fabric

Exam: DP-604

Upcoming Schedule

Available training dates for DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric:

Start Date	End Date	Location	Delivery	Price
24 Dec 2026	24 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric course helps prepare you for the Microsoft Applied Skills: Implement a data science and machine learning solution for AI with Microsoft Fabric certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the DP-604 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric?

Yes, we provide corporate training, dedicated training, and closed classes for DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: DP-604T00: Implement a data science and machine learning solution for AI with Microsoft Fabric, Microsoft, vILT, DP-604T00

Q: Why choose Nexus Human for DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your DP-604T00 Implement a data science and machine learning solution for AI with Microsoft Fabric training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 13/11/2026.