

Machine Learning on Google Cloud

Category: AI, Data & Analytics | **Vendor:** Google Cloud

Duration: 5.00 hours (1 days)

4.1 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: vILT

Course Overview

Master Machine Learning on Google Cloud Learn to build, train, and deploy machine learning models on Google Cloud using Vertex AI, BigQuery ML, and TensorFlow. Master AutoML, feature engineering, model evaluation, and scalable ML pipelines.

About This Course

Master Machine Learning on Google Cloud Learn to build, train, and deploy machine learning models on Google Cloud using Vertex AI, BigQuery ML, and TensorFlow. Master AutoML, feature engineering, model evaluation, and scalable ML pipelines.

Who Should Attend

Basic proficiency with a scripting language, preferably Python, Some familiarity with basic machine learning concepts

Learning Outcomes

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

Course Objectives

- Build, train, and deploy a machine learning model without writing a single line of code using Vertex AI AutoML
- Understand when to use AutoML and Big Query ML
- Create Vertex AI managed datasets
- Add features to a Feature Store
- Describe Analytics Hub, Dataplex, and Data Catalog
- Describe hyperparameter tuning using Vertex Vizier and how it can be used to improve model performance
- Create a Vertex AI Workbench User-Managed Notebook, build a custom training job, and then deploy it using a Docker container
- Describe batch and online predictions and model monitoring
- Describe how to improve data quality
- Perform exploratory data analysis
- Build and train supervised learning models
- Optimize and evaluate models using loss functions and performance metrics
- Create repeatable and scalable train, eval, and test datasets
- Implement ML models using TensorFlow/Keras
- Describe how to represent and transform features
- Understand the benefits of using feature engineering

Explain Vertex AI Pipelines, Course Objectives

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Detailed Course Outline

How Google Does Machine Learning, How Google Does Machine Learning, How Google Does Machine Learning, Launching into Machine Learning, Launching into Machine Learning, Launching into Machine Learning, TensorFlow on Google Cloud, TensorFlow on Google Cloud, TensorFlow on Google Cloud, Feature Engineering, Feature Engineering, Feature Engineering, Machine Learning in the Enterprise, Machine Learning in the Enterprise, Machine Learning in the Enterprise

Frequently Asked Questions

Q: What delivery options are available for Machine Learning on Google Cloud?

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
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Q: How many CPD hours does this course provide?

The 1-day Machine Learning on Google Cloud course provides up to 4.1 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Machine Learning on Google Cloud training?

The training takes place over 1 day(s), with each day lasting approximately 5.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Machine Learning on Google Cloud?

Yes, we provide corporate training, dedicated training, and closed classes for Machine Learning on Google Cloud. 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: Machine Learning on Google Cloud, Google Cloud, vILT

Q: Why choose Nexus Human for Machine Learning on Google Cloud?

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 Machine Learning on Google Cloud training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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