

# Machine Learning on Google Cloud (MLGC)

ID MLGC Price CHF 3,190.—(excl. VAT) Duration 5 days

#### Who should attend

- Aspiring machine learning data analysts, data scientists and data engineers
- Learners who want exposure to ML and use Vertex AI AutoML, BigQuery ML, Vertex AI Feature Store, Vertex AI Workbench, Dataflow, Vertex AI Vizier for hyperparameter tuning, TensorFlow/Keras.

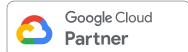
### **Prerequisites**

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

#### **Course Objectives**

- Describe the technologies, products, and tools to build an ML model, an ML pipeline, and a Generative Al project.
- Understand when to use AutoML and BigQuery ML.
- Create Vertex Al-managed datasets.
- Add features to the Vertex Al Feature Store.
- Describe Analytics Hub, Dataplex, and Data Catalog.
- Describe how to improve model performance.
- Create Vertex AI Workbench user-managed notebook, build a custom training job, and deploy it by using a Docker container.
- Describe batch and online predictions and model monitoring.
- Describe how to improve data quality and explore your data.
- Build and train supervised learning models.
- Optimize and evaluate models by using loss functions and performance metrics.
- Create repeatable and scalable train, eval, and test datasets.
- Implement ML models by using TensorFlow or Keras.
- Understand the benefits of using feature engineering.
- Explain Vertex Al Model Monitoring and Vertex Al Pipelines.

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## **Training Centres worldwide**





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