Advanced Machine Learning with TensorFlow on Google Cloud Platform (MLTF)

ID MLTF **Prix** CHF 3 250,– (Hors Taxe) **Durée** 5 jours

A qui s'adresse cette formation

- Data Engineers and programmers interested in learning how to apply machine learning in practice.
- Anyone interested in learning how to build and operationalize TensorFlow models.

Cette formation prépare à la/aux certifications

Google Cloud Certified Professional Machine Learning Engineer (PMLE)

Pré-requis

To get the most out of this course, participants should have:

- Experience coding in Python
- Knowledge of basic statistics
- Knowledge of SQL and cloud computing (helpful)

Objectifs

Learn how to write distributed machine learning models that scale in Tensorflow, scale out the training of those models, and offer high-performance predictions. Convert raw data to features in a way that allows ML to learn important characteristics from the data and bring human insight to bear on the problem. Finally, learn how to incorporate the right mix of parameters that yields accurate, generalized models and knowledge of the theory to solve specific types of ML problems. You will experiment with end-to-end ML, starting from building an ML-focused strategy and progressing into model training, optimization, and productionalization with hands-on labs using Google Cloud Platform

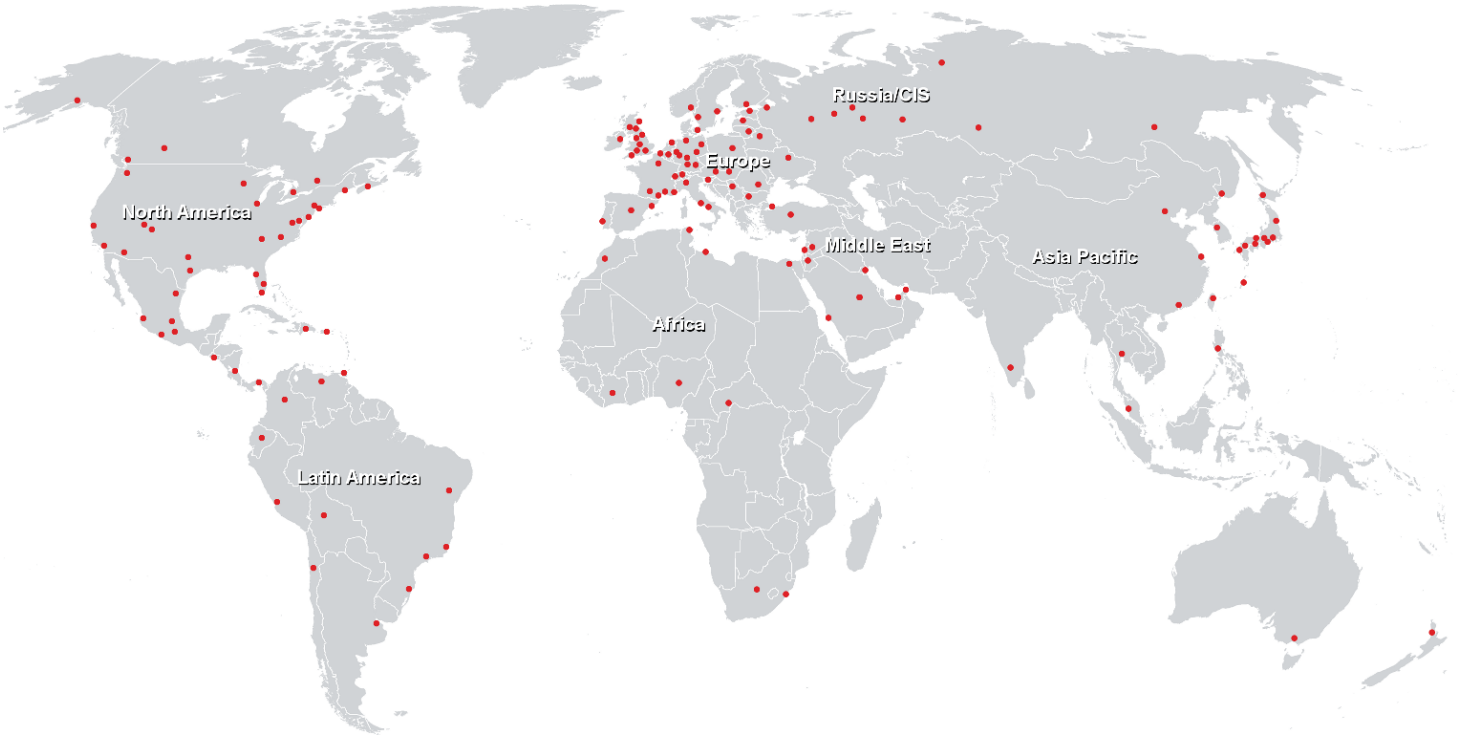
This course teaches participants the following skills:

- Frame a business use case as a machine learning problem
- Create machine learning datasets that are capable of achieving generalization
- Implement machine learning models using TensorFlow
- Understand the impact of gradient descent parameters on accuracy, training speed, sparsity, and generalization
- Build and operationalize distributed TensorFlow models
- Represent and transform features

Contenu

- How Google Does Machine Learning
- Launching into Machine Learning
- Intro to TensorFlow
- Feature Engineering
- The Art and Science of ML

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