Google Cloud

Advanced Solutions Lab
Machine Learning Immersive Education

The Advanced Solutions Lab for Machine Learning provides an immersive opportunity to work side by side with Google's machine learning experts in order to tackle your highest impact business challenges. This program takes place in a dedicated facility over an extended period of time, during which you will be trained on machine learning concepts and engineering techniques similar to what we provide our own teams.

Key Activities

Machine Learning Training

Google-provided training on machine learning techniques, TensorFlow architectures, hyperparameter tuning, synthetic features, distributed training, model deployment, multi-class neural networks, and serving architectures to create recommendation and classification models with Google Cloud ML.

Prediction Models

Guidance on recommendation systems, image classification, prepackaged models, and APIs.

Prerequisites

To get most out of the program, it is recommended that Lab participants have a basic level of machine learning understanding prior to starting the training. Customers with extensive machine learning experience may find other Google offerings more suitable to their level.

Deliverables

Training around machine learning concepts and techniques, including:

- Machine learning fundamentals and Cloud tools overview
- TensorFlow deep dive
- Hyperparameter tuning
- Synthetic features
- Distributed training
- Model deployment
- Data preprocessing with DataFlow and TensorFlow
- Sparse features and text models
- Recommendation systems
- Image classification
- Prepackaged models and Google Cloud Machine Learning APIs
- Additional projects per availability

Scope, Requirements, and Pricing

- Four weeks training and machine learning deep dive
- On-site with Google, including secured access to dedicated facilities
- Maximum five participants in customer team
- Customer team should include engineers/data scientists with basic understanding of machine learning
- Contact Google representative for pricing (price to be set forth in the applicable Ordering Document)

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