Introduction

End-to-End Lab on Structured Data ML

Advanced ML with TensorFlow on GCP

End-to-End Lab on Structured Data ML

Production ML Systems

Image Classification Models

Sequence Models

Recommendation Systems

Learn how to...
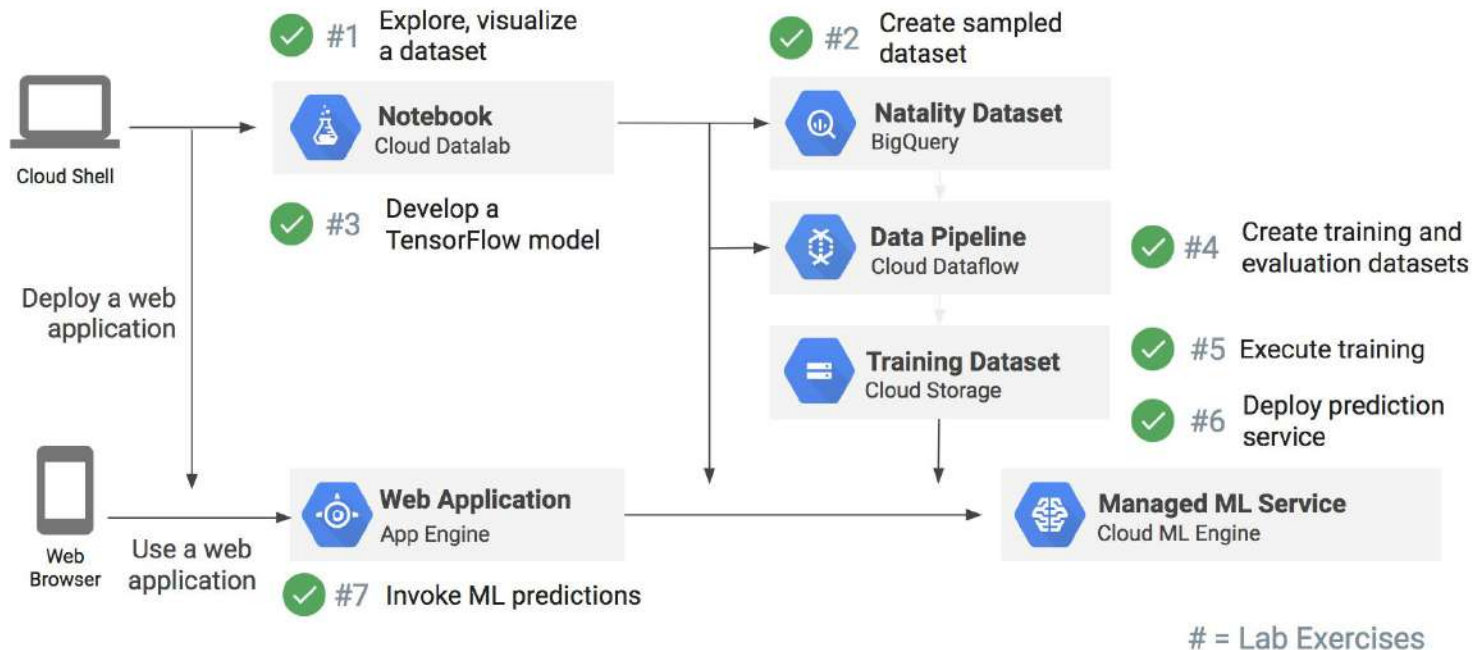
Explore large datasets for features

Create training and evaluation datasets

Build models with the Estimator API in TensorFlow

Train at scale and deploy models into production with GCP ML tools

7 hands-on machine learning labs

Cloud Shell

#1 Explore, visualize a dataset

Notebook Cloud Datalab

#3 Develop a TensorFlow model

Deploy a web application

Web Browser

Use a web application

Web Application App Engine

#7 Invoke ML predictions

#2 Create sampled dataset

Natality Dataset BigQuery

Data Pipeline Cloud Dataflow

#4 Create training and evaluation datasets

Training Dataset Cloud Storage

#5 Execute training

#6 Deploy prediction service

Managed ML Service Cloud ML Engine

= Lab Exercises

Summary of ML labs

1 Explore, visualize a dataset

2 Create sampled dataset

3 Develop a TensorFlow model

4 Create training and evaluation datasets

5 Execute training

6 Deploy prediction service

7 Invoke ML predictions

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