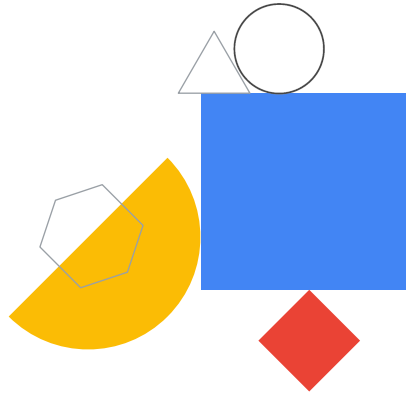Google Cloud

Smart Analytics, Machine Learning and AI on Google Cloud

Data Engineering learning path

1 Modernizing Data Lakes and Data Warehouses with Google Cloud

2 Building Batch Data Pipelines on Google Cloud

3 Building Resilient Streaming Analytics Systems on Google Cloud

4 Smart Analytics, Machine Learning and AI on Google Cloud

Google Cloud

Smart Analytics, Machine Learning and AI on Google Cloud is the fourth and final course of the Data Engineering Learning Path.

While data has intrinsic value, that value can be augmented with Machine Learning. This course covers how to integrate Analytics and Machine Learning capabilities into your data pipelines.

Course Agenda

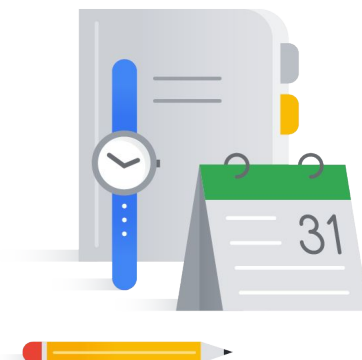Analytics and AI: Introduction

Prebuilt ML model APIs for
Unstructured Data

Big Data Analytics with Notebooks

Production ML Pipelines with Kubeflow

Custom Model Building with SQL in
BigQuery ML

Custom Model Building with AutoML

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We'll start off the course by motivating the claim that Machine Learning adds value to your data. Throughout the rest of the course we'll look at the options available on Google Cloud for applying Machine Learning. As you learn the Google Cloud ML solutions cater to a wide range of business ML capabilities. There are solutions for businesses with large Machine Learning teams. There are also solutions for businesses with absolutely no Machine Learning expertise. We'll cover all of these as well as how to productionize ML systems on Google Cloud.