



# Smart Analytics, Machine Learning and AI on Google Cloud

Damon Runion  
Technical Curriculum Developer

Welcome to Smart Analytics, Machine Learning, and AI on Google Cloud.  
I'm Damon and I'm a Technical Curriculum Developer at Google.

## Data Engineering on Google Cloud course series



Modernizing Data Lakes and Data  
Warehouses with Google Cloud



Building Batch Data Pipelines on  
Google Cloud



Building Resilient Streaming Analytics  
Systems on Google Cloud



Smart Analytics, Machine Learning  
and AI on Google Cloud

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

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

- |    |   |
|----|---|
| 01 | Analytics and AI: Introduction                |
| 02 | Prebuilt ML model APIs for Unstructured Data  |
| 03 | Big Data Analytics with Notebooks             |
| 04 | Production ML Pipelines with Kubeflow         |
| 05 | Custom Model Building with SQL in BigQuery ML |
| 06 | Custom Model Building with AutoML             |

We'll start off the course by validating 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.

You'll learn that Google Cloud ML solutions cater to a wide range of organizational challenges.

There are solutions for organizations with large Machine Learning teams. And there are also solutions for those with absolutely no Machine Learning expertise. We'll cover all of these as well as how to productionize ML solutions on Google Cloud.