

All Readings: How Google Does Machine Learning



AI Platform Notebooks are a fully hosted version of the popular JupyterLab notebook environment. This has replaced Cloud Datalab as the default notebook environment for Google Cloud Platform. You can treat mentions of Datalab and AI Platform Notebooks interchangeably in this course and the rest of the courses in this specialization.

AI Platform (formerly known as Cloud ML Engine) makes it easy for machine learning developers, data scientists, and data engineers to take their ML projects from ideation to production and deployment, quickly and cost-effectively. From data engineering to “no lock-in” flexibility, AI Platform’s integrated tool chain helps you build and run your own machine learning applications.

Readings and Videos

Module 1: Introduction to the Course (Latest From Google)	
	Stay up to date with the latest ML and AI trends from Google Cloud
	What's New with Google Cloud?
	Google Cloud Blog
	TensorFlow
	Machine Learning Meets African Agriculture
	How a College Student Became a Planet Hunter
	Graffiti Artist Classifier
	Pose-Estimator with Move Mirror
Module 2: What is it means to be AI first	
	How to use the Google Vision API
	Creating a Data Strategy for Machine Learning as a Product Manager
	Data validation for machine learning
	4 Stages of the Machine Learning (ML) Modeling Cycle
	Frame a problem as a machine learning problem
	8 problems that can be easily solved by Machine Learning
Module 3: How Google Does ML	

	ML Strategy for Machine Learning Projects
	Before You Can Have a Machine Learning Strategy, You Need a Data Strategy
	Machine learning use cases
	Why Deep Learning over Traditional Machine Learning?
	The Surprising Truth About What it Takes to Build a Machine Learning Product
Module 4: Inclusive ML	
	10 Methods of Inclusive Machine Learning
	How Inclusive Data Builds Stronger Brands
	Inclusive ML guide - AutoML
Module 5: Python Notebooks in the Cloud	
	Introduction to AI Platform
	Using the Python client library
	What is Colaboratory
	Google Cloud Codelabs and Challenges