



AWS Ramp-Up Guide: Machine Learning

For Developers and Data Scientists

This collection of learning resources is from the domain Machine Learning. It is not meant to be consumed from beginning to end, but by need. If you want to track your progress on Skill Builder, use our [Machine Learning Learning Plan](#). Send feedback to rampupguides@amazon.com.

Fundamentals of the AWS Cloud & Machine Learning

Learning Resource	Duration	Type
AWS Ramp-Up Guide: Cloud Essentials		Ramp-Up Guide
Introduction to Machine Learning: Art of the Possible	30 minutes	Digital Training
Machine Learning Terminology and Process	1 hour	Digital Training
Planning a Machine Learning Project	30 minutes	Digital Training
Machine Learning Essentials for Business and Technical Decision Makers	1 hour 30 min	Digital Training
Building a Machine Learning Ready Organization	30 minutes	Digital Training

Intelligent Document Processing

Learning Resource	Duration	Type
Getting Started with Amazon Textract	1 hour	Digital Training
\$ Getting Started with Amazon Textract (includes labs)	1 hour 30 min	Digital Training (includes labs)
\$ Getting Started with Amazon Textract: Process Documents with Synchronous and Asynchronous Operations	1 hour	Self-paced Lab
Getting Started with Amazon Comprehend	1 hour 30 min	Digital Training
\$ Getting Started with Amazon Comprehend (includes labs)	1 hour 30 min	Digital Training (includes labs)
\$ Getting Started with Amazon Comprehend: Custom Entity Recognition	1 hour	Self-paced Lab
\$ Getting Started with Amazon Comprehend: Custom Classification	1 hour 15 min	Self-paced Lab

SageMaker

Learning Resource	Duration	Type
Introduction to Amazon SageMaker	13 minutes	Digital Training
\$ Amazon SageMaker Studio for Data Scientists	18 hours	Classroom Training
\$ Practical Data Science with Amazon SageMaker	6 hours	Classroom Training



AWS Ramp-Up Guide: Machine Learning

For Developers and Data Scientists

\$ Use Amazon SageMaker Canvas to make your first ML Model	1 hour 15 min	Self-paced Lab
Amazon SageMaker: Build an Object Detection Model Using Images Labeled with Ground Truth	1 hour 10 min	Digital Training

Chat Bots

Learning Resource	Duration	Type
Communicating with Chat Bots	30 minutes	Digital Training
\$ Build a Dynamic Conversational Bot - Part 1	1 hour	Self-paced Lab
\$ Build a Dynamic Conversational Bot - Part 2	45 minutes	Self-paced Lab

Other Machine Learning Topics

Learning Resource	Duration	Type
Process Model: CRISP-DM on the AWS Stack	50 minutes	Digital Training
Machine Learning Security	2 hours	Digital Training
\$ Applied Machine Learning: Building Models for an Amazon Use Case	2 hours	Self-paced Lab
\$ Machine Learning: Model Deployment Using Blue/Green Method	2 hours	Self-paced Lab
\$ Machine Learning: From Front End to Inference	1 hour 30 min	Self-paced Lab

Classroom Training

Learning Resource	Duration	Type
\$ Deep Learning on AWS	6 hours	Classroom Training
\$ MLOps Engineering on AWS	18 hours	Classroom Training
\$ The Machine Learning Pipeline on AWS	24 hours	Classroom Training

With Our Training Partners

Learning Resource	Duration	Type
\$ Introduction to Machine Learning on AWS	6 hours	Coursera Digital Training
\$ Introduction to Machine Learning on AWS	18 hours	edX Digital Training

Additional Resources

Learning Resource	Type
-------------------	------



AWS Ramp-Up Guide: Machine Learning

For Developers and Data Scientists

Machine Learning University

[Youtube Channel](#)

Natural Language Processing on Github

[Github](#)

Tabular Data on Github

[Github](#)

Computer Vision

[Github](#)

Decision Trees and Ensemble Methods

[Github](#)

**For a training plan
customized for your
requirements,
contact your AWS Account
Manager or contact us [here](#)**

**We would love to hear from
you.
Provide your feedback on this
AWS Ramp-Up Guide [here](#)**