



INNOVATE

AI/ML EDITION

Closing Keynote

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AI Services

Vision

Rekognition

Speech

Polly
Transcribe

Chatbots

Lex

Text

Comprehend
Translate
Textract

Business tools

Personalize
Forecast
Fraud Detector

Contact centers

Contact Lens
Connect Voice ID

Search

Kendra

Code + DevOps

CodeGuru
DevOps Guru

Industrial AI

Panorama Appliance and SDK, Monitron, Lookout for Equipment, Lookout for Vision

SAGEMAKER STUDIO IDE

Amazon SageMaker

Label data

Visualize in notebooks

Pick algorithm

Train models

Tune parameters

Deploy in production

Manage & monitor

ML frameworks & infrastructure

PyTorch, Apache MXNet, TensorFlow

AMIs & containers

GPUs

Inferentia

Elastic inference

FPGA

Machine Learning on AWS



ML Services

Build, train and
deploy machine
learning models fast



AI Services

Easily add
intelligence to your
applications



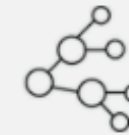
Industry Specific Solutions

AI Services for
Healthcare and
Industrial customers



ML Infrastructure

High performance,
cost-effective,
scalable
infrastructure



Deep Learning Frameworks

Choice and flexibility
with the broadest
framework support



Getting Started

Start your machine
learning journey

<https://ml.aws>

AWS Machine Learning Customers

Tens of thousands of customers choose AWS for machine learning

Tens of thousands of customers have chosen AWS for machine learning to improve the quality of healthcare, provide better customer service, optimize their business, create entirely new customer experiences, and more.



WIRED ARTICLE

With deep learning, Disney sorts through a universe of content

Using deep learning on AWS, Disney is building tools to automatically tag nearly a century worth of content with descriptive metadata to make the archiving process more efficient.

[Read more](#)

CONVOY

Convoy is revolutionizing trucking with machine learning

duolingo

AI helps Duolingo personalize language learning

T-Mobile

At T-Mobile, AI humanizes customer service

<https://aws.amazon.com/machine-learning/customers/>

AWS Machine Learning Partners

The screenshot displays the AWS Machine Learning Partners page. On the left, there is a filter sidebar with the following sections:

- Filter by:** Clear all filters
- Offering Type:**
 - Consulting Service
 - Technology Product
- Categories:**
 - Data Services
 - Platform Solutions
 - SaaS and API Solutions
- Headquarters:**
 - Asia Pacific
 - China
 - Europe, Middle East, and Africa
 - Japan
 - Latin America
 - North America

The main content area shows a grid of partner cards, each with a category label at the top, the partner's logo, name, and a brief description. The cards are:

- 1Strategy (CONSULTING):** Having deployed AWS solutions since 2007, 1Strategy aids and empowers its clients to innovate and build better AI/ML solutions on AWS.
- ABEJA Platform (TECHNOLOGY):** The ABEJA platform is an innovative AI platform consisting of cutting-edge AI technologies, ranging from IoT to big data to...
- Accenture (CONSULTING):** Accenture brings together the power of artificial intelligence and analytics while applying its deep industry knowledge and...
- Advanced Analytic Services Ltd. (CONSULTING):** (Logo: 音智达)
- AllCloud (CONSULTING):**
- Machine Learning Solution (TECHNOLOGY):** (Logo: alteryx | The Thrill of Solving)

<https://aws.amazon.com/machine-learning/partner-solutions/>

AWS Whitepapers and Reference Architectures

The screenshot displays the AWS Whitepapers & Guides website interface. On the left is a navigation sidebar with categories: New & Featured, Content Types, Featured, Methodology, Business Categories, and Technology Categories. The Technology Categories list includes: Analytics & Big Data, Application Integration, Compute, Containers, Cost Management, Databases, Developer Tools, End-User Computing, Front-End Web & Mobile, Internet of Things (IoT), Machine Learning & AI (checked), Management & Governance, Media Services, Migration, Networking & Content Delivery, Security, Identity, & Compliance, and Spatial Computing. The main content area shows a search bar, a sort dropdown set to 'Date (Newest–Oldest)', and a grid of six items. The first five items are 'REFERENCE ARCHITECTURE DIAGRAM' type, with 'UPDATED' tags, and are dated 'January 2021'. The sixth item is a 'WHITEPAPER' type, with a 'NEW' tag, also dated 'January 2021'. The items are: 1. Airline Schedule Engine (Reference Architecture Diagram, Updated), 2. Facilitate Social Distancing using IoT and AI/ML (Reference Architecture Diagram, Updated), 3. Customer Engagement Using AI/ML for Airlines (Reference Architecture Diagram, Updated), 4. Airport Data Platform for Enhanced Traveler Experience (Reference Architecture Diagram, Updated), and 5. Airline Data Platform with Master Data Management (Reference Architecture Diagram, Updated). The sixth item is 'Telehealth Meets Cloud' (Whitepaper, New).

<https://aws.amazon.com/whitepapers/>

AWS Machine Learning Solutions

The screenshot displays the AWS Solutions Implementations page. On the left, there is a 'Filter AWS Solutions Implementations by:' sidebar with sections for 'Technology Category' (where 'Machine learning & AI' is selected), 'Industry', and 'Technology Source'. A search bar at the top right contains the text 'Search AWS Solutions'. Below the search bar, it shows '1-29 (29)' results and a 'Sort By: Last Update' dropdown. The main content area features a grid of six solution cards. Each card includes a title, a subtitle, a description, and a 'Last update' date. The cards are: 1. 'Document Understanding Solution' (UPDATED, January 2021), 2. 'Predictive Segmentation Using Amazon Pinpoint...' (UPDATED, December 2020), 3. 'Service Workbench on AWS' (NEW, December 2020), 4. 'Improving Forecast Accuracy with Machine Learning' (UPDATED), 5. 'Discovering Hot Topics Using Machine Learning' (UPDATED), and 6. 'Serverless Bot Framework' (UPDATED).

<https://aws.amazon.com/solutions/implementations/>

AWS Blogs

<https://aws.amazon.com/blogs/aws/category/artificial-intelligence/>

<https://aws.amazon.com/blogs/machine-learning/>

<https://aws.amazon.com/blogs/big-data/>

<https://aws.amazon.com/blogs/opensource/>

AWS Repositories

<https://github.com/awslabs/>

<https://github.com/aws/amazon-sagemaker-examples>

AWS Machine Learning University

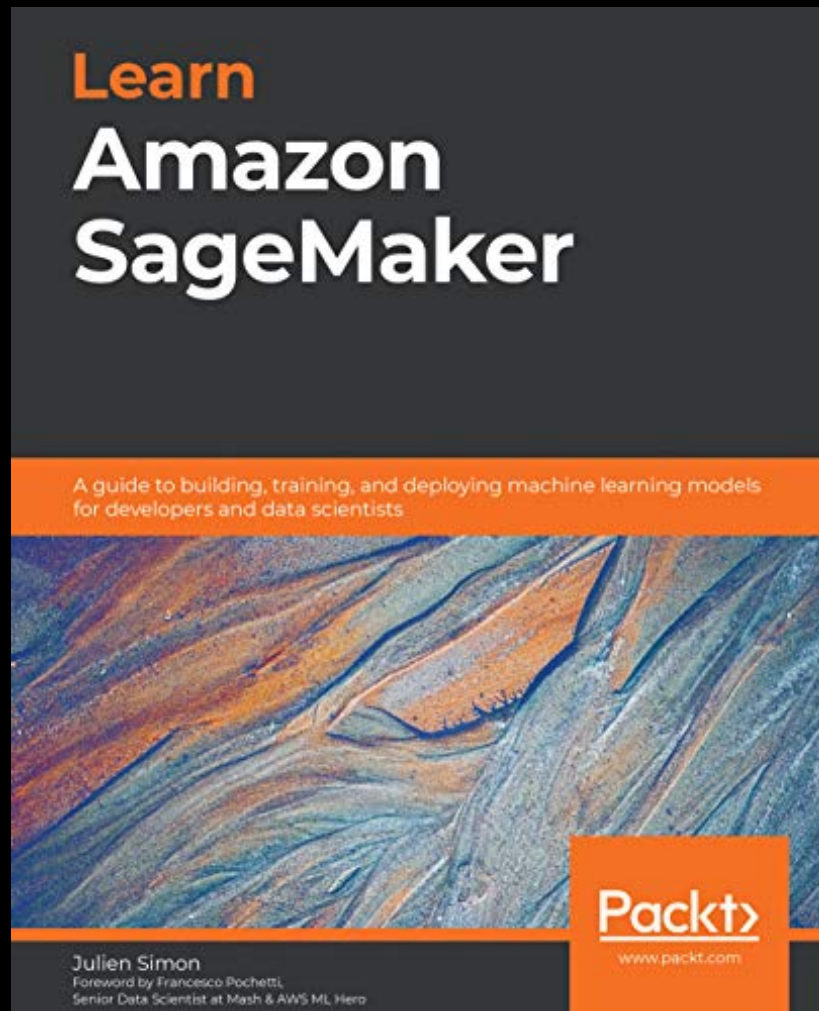
Machine Learning University

Self-service machine learning training from Amazon's own scientists

Choose your learning path



<https://aws.amazon.com/machine-learning/mlu/>



Published August 2020

<https://www.amazon.com/Learn-Amazon-SageMaker-developers-scientists/dp/180020891X/>

<https://www.packtpub.com/product/learn-amazon-sagemaker/9781800208919>

13 chapters, 481 pages, 62 original notebooks

<https://github.com/PacktPublishing/Learn-Amazon-SageMaker>

Thank you!

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 julsimon

<https://www.youtube.com/juliensimonfr>

<https://julsimon.medium.com>