

SageMaker, AI and Machine Learning

with Python

Chandra Lingam

Cloud Wave LLC

Why

Focus on current best practices

Learn most useful algorithms

Easy to integrate

Elastic infrastructure

No upfront cost or commitment

How

Face comparison

Compare faces to see how closely they match based on a similarity percentage.

Reference face



Comparison faces



Done with the demo?

[Learn more](#)

▼ Results



=



Similarity

92.3 %



► Request

► Response

What

SageMaker

Artificial Intelligence

Integration

Data Lake

Certification

SageMaker

Jupyter Notebook on the Cloud

Learn popular algorithms

Examples: XGBoost, DeepAR, Factorization Machines, PCA and more

Train, Optimize and Deploy Models

Artificial Intelligence

Pre-trained service – Ready to use

Image and Video Analysis

Example: facial recognition, describe scene, text, track movement

Natural Language Processing

Example: sentiment, translation, chatbots

Integration

Integrate new capabilities in your application

Hosting, Scaling, Fault tolerance

Provide a Clean Interface with API Gateway, Lambda

Data Lake

Streamline data management

Ingest, Catalog, Transform, Secure and Visualize

Example: Kinesis Firehose, Glue, Athena, Redshift Spectrum, S3

AWS Certified Machine Learning - Specialty

Complete guide to AWS Machine Learning Specialty
Certification

Labs, Quiz, Timed Practice Exam

Source Code

<https://github.com/ChandraLingam/AmazonSageMakerCourse>

Access latest code

Ideal Student

Willing to Learn

Participate in Course Discussion Forums

Comfortable coding in Python

Chandra Lingam



50,000+ Students

Up-to-date Content

