The Amazon ML stack: the forecasting view

Vision

Speech

Language

Chatbots

Forecasting Recommendations

AI SERVICES



IMAGE

VIDEO

















REKOGNITION REKOGNITION TEXTRACT LEX TRANSCRIBE TRANSLATE COMPREHEND &

MEDICAL

FORECAST PERSONALIZE

AMAZON SAGEMAKER

ML SERVICES

BUILD

Pre-built algorithms: DeepAR for Forecasting

Data labeling (GROUND TRUTH)

Algorithms & models (AWS MARKETPLACE FOR MACHINE LEARNING)

Notebook Hosting

TRAIN

One-click model training & tuning

Optimization (NEO)

Hyper Parameter Optimization

Reinforcement learning

DEPLOY

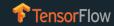
One-click deployment & hosting Auto-scaling Virtual Private Cloud Private Link Elastic Inference integration

Frameworks

Interfaces

Infrastructure

ML FRAMEWORKS & INFRASTRUCTURE



















PYT ORCH

mxnet

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INFERENCE

Gluon Time Series