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Intro to Machine Learning on AWS

Introduction / Outline:

Artificial Intelligence: AI

↳ A field of study that uses computers to do processes that mimic human behaviour

Machine Learning: ML

↳ Subset of AI

↳ uses Algos to learn & improve from training data

Deep Learning: DL

↳ A subset of ML

↳ uses multilayer networks to build models that are inspired by the human brain

AI Systems

Training → Supply training data to an algo

Modelling → receive an output of the training process

Inference & Hosting → use model to make prediction

Machine Learning Services @ AWS

- Amazon Rekognition → Comp vision

- Amazon Textract → automated data extraction & Analysis

- Amazon Comprehend → Nat. lang processing

- Amazon Transcribe → Speech to text

- Amazon Translate → MLang translations

- Amazon Lex → Chatbots / virtual agents

- Amazon SageMaker → Build, train, model on managed infrastructure