

Al, ML, Deep Learning



Artificial Intelligence

The ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings.



Machine Learning

Machine learning uses algorithms to parse data, learn from that data, and make informed decisions based on what it has learned.



Deep Learning

Deep learning is a subfield of machine learning. Deep learning structures algorithms in layers to create an "artificial neural network" that can learn and make intelligent decisions on its own.

Artificial Intelligence



Vision

This is the ability of computers to "see" by recognizing objects and their relationships in a picture or video.



Speech Recognition

This is the ability of computers to "listen" by understanding the words that people say and to transcribe them into text, and also to read text aloud in a natural voice.



Language Understanding

The ability of computers to "comprehend" the meaning of words and respond, considering the many nuances and complexities of language (such as slang and idiomatic expressions).



Knowledge

The ability of a computer to "reason" by representing and understanding the relationship between people, things, places, and events.





Data Prepration

Importing data from a variety of data sources. Exploring, visualizing, and joining data sources.



Feature Engineering

Cleaning, normalizing, and transforming raw data. Grouping, filtering, and preliminary statistical investigation.



Training Models

Training and evaluating machine learning models.



Deploying Models

Deploying trained models as a web service or using them in client applications.





Al Products & Services V Approach

Al platform

Innovate and accelerate with powerful tools and services that bring AI to every developer.



Services

Developers can rapidly consume high-level "finis services that accelerate development of AI soluti Compose intelligent applications, customized to

Al Services in Azure

Bringing the best of AI to Azure and the best of Azure to AI



Pre-Built AI
Azure Cognitive Services

Conversational AI
Azure Bot Service

Custom Al Azure Machine Learning

