

# ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



# Describe Artificial Intelligence workloads and considerations

- Identify features of common AI workloads
- Identify guiding principles for responsible AI

# Describe fundamental principles of machine learning on Azure

- Identify common machine learning types
- Describe core machine learning concepts
- Identify core tasks in creating a machine learning solution
  - Outlier detection using different method
  - Hyper parameter tuning
  - Principal component analysis
- Describe capabilities of no-code machine learning with Azure Machine Learning studio

# Describe features of computer vision workloads on Azure

- Identify common types of computer vision solution
- identify Azure tools and services for computer vision tasks

# Describe features of Natural Language Processing (NLP) workloads on Azure

- Identify features of common NLP Workload Scenarios
- identify Azure tools and services for NLP workloads



# Describe features of conversational AI workloads on Azure

- Identify common use cases for conversational AI or NLP workloads
- Identify Azure services for conversational AI

# Describe Artificial Intelligence workloads and considerations

- Identify features of common AI workloads
- Identify guiding principles for responsible AI NLP workloads

# Describe fundamental principles of machine learning on Azure

- Identify common machine learning types
- Describe core machine learning concepts
- Identify core tasks in creating a machine learning solution
- Describe capabilities of no-code machine learning with Azure Machine Learning



# Describe features of computer vision workloads on Azure

- Object tracking
- Custom haarcascade classifier
- Object size measurement
- Qr code scanner
- Identify common types of computer vision solution
- Identify Azure tools and services for computer vision tasks

# Describe features of Natural Language Processing (NLP) workloads on Azure

- Nlp recommendations (like quick reply in gmail)
- Identify features of common NLP Workload Scenarios
- Identify Azure tools and services for NLP workloads

# Describe features of conversational AI workloads on Azure

- Identify common use cases for conversational AI
- Identify Azure services for conversational AIs