AZURE 900 CLOUD FUNDAMENTALS

Microsoft Certification AZ-900: Azure AI Services

- Develop, train, test & deploy
- Open source tech:
  - Python
  - Jupiter
  - Visual Studio Code
  - Docker
- Automated model generation & tuning
- Start on local machine & scale out to cloud

Models

MACHINE LEARNING SERVICES

- Pre-tarined AI models
- Vision: Analyse context of Images & videos
- Speech: Convert spoken language into text and vice versa
- Language: Understand meaning of text
- Knowledge: Create resources for apps
- Search: Web scale, add free search engine for apps

COGNITIVE SERVICES

- Make apps & devices smarter
- Azure Cognitive Services

Use

AZURE AI SERVICES

AI

- Uses complex computer algorithms to process and gain insights from large amounts of data

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ML

- Data science technique that uses existing data to forecast future events and/or outcomes and/or trands

- Platform for making predictions
- Tools & Services:
  - Define data sources
  - Create pipelines
  - Connect & train models
  - Deploy with API
- Automated model generation & tuning
- Start on local machine & scale out to cloud

AZURE MACHINE LEARNING

BOT SERVICES

- Uses Cognitive Services to interact with humans as virtual agents that understand/reply to questions
- Best for simple, repetitive tasks on websites (book reservations or retrieve information)

Dr Tanzelle Oberholster