

# **DP-100: Designing and Implementing a Data Science Solution on Azure**

## **Course Outline**

### **Day 1**

- Define and Prepare the Development Environment
  - Select Development Environment
  - Set up Development Environment
  - Quantify the Business Problem

### **Day 2**

- Prepare Data for Modeling
  - Transform Data Into Usable Datasets
  - Perform Exploratory Data Analysis (EDA)
  - Cleanse and Transform Data

### **Day 3**

- Perform Feature Engineering
  - Perform Feature Extraction
  - Perform Feature Selection

### **Day 4**

- Develop Models
  - Select an Algorithmic Approach
  - Split Datasets
  - Identify Data Imbalances
  - Train the Model
  - Evaluate Model Performance