

Data AI: Azure Machine Learning

WorkshopPLUS

Duration: 3 Days | **Focus Area:** Business/IT Alignment | **Level:** 300

Azure Machine Learning is a cloud predictive analytics service that makes it possible to quickly create and deploy predictive models as analytics solutions. It is a three day WorkshopPLUS course that provides you with the knowledge and tools necessary to understand the capabilities and usage of Azure Machine Learning. This

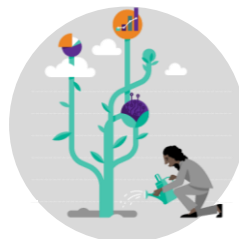
workshop will also help you to learn how to create a Machine Learning solution utilizing Azure Machine Learning. This workshop is targeted at Business Intelligence Engineers, Data Scientists, SQL Server Architects, Database Administrators, IT professionals, SQL Server support staff and DevOps Engineers.

OUTCOMES



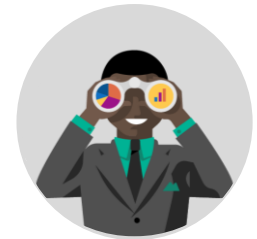
Skills

Gain a comprehensive understanding of the features and capabilities of creating a machine learning experiment.



Best Practices

Learn reliable methods of creating and deploying models using Azure machine Learning.



Way Forward

Take what you've learned in the classroom and apply it to your environment at your organization

PREREQUISITES

Participants that have existing experience performing data analytics will receive the most value from this course.



Recommended Qualifications

- General experience with data
- Basic knowledge on Statistics

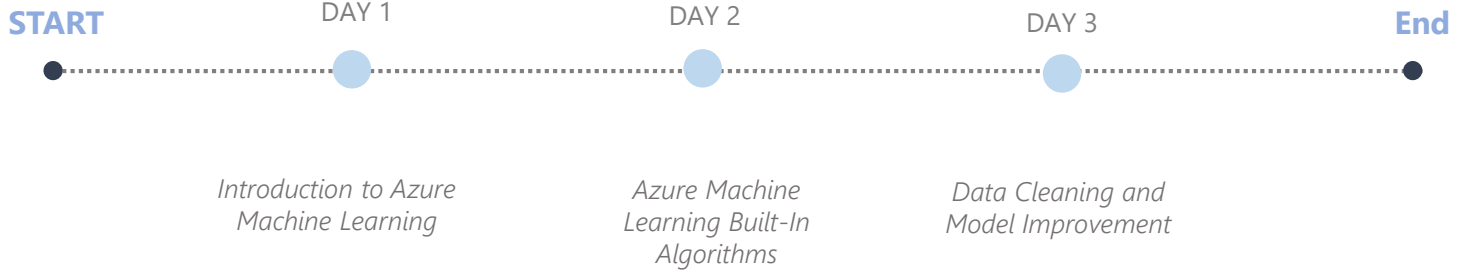


Hardware Requirements

- An Intel Core-i5-based PC
- 4 GB RAM
- 128 GB HDD
- Windows 7 SP1 or later
- Office 2013 Professional Plus
- Internet access with at least 1 Mbps bandwidth per student

AGENDA

Duration: 3 days



SYLLABUS

Module 1: Introduction to Azure Machine Learning

- Introduction to Machine Learning
- Load Data and Scrub Data
- Azure Machine Learning and R
- Azure Machine Learning and Python

Module 2: Azure Machine Learning Built-In Algorithms

- Regression Algorithms
- Classification Algorithms
- Clustering Algorithms
- Anomaly Algorithms

Module 3: Data Cleaning and Model Improvement

- Initial Data Analysis
- Data Cleaning
- Model Improvement
- Azure Machine Learning Service (Preview)

NEXT STEPS: If you are interested in building machine learning models for your organization, contact your Microsoft Account Representative.