

# General Learning Resources

## Azure Resources:

- [Microsoft Learn](#)
- [Azure Skilling on Pluralsight](#)
- [Azure Fridays](#)
- [Azure Architectures](#)
- [Azure Pricing Calculator](#)

## Azure Machine Learning specific:

- [Azure ML Documentation](#)
- [Azure ML SDK for Python Documentation](#)
- [ML Practice Guides](#)
- [Machine Learning Example Notebooks](#)
- [Book on Azure Machine Learning](#)
- [Microsoft Learn Collection for Azure Data Scientist](#)

# Resources per module according to DP-100 course

## Module 1:

- [Compare the machine learning products and technologies from Microsoft](#)
- [Azure Machine Learning FAQ](#)
- [What is an Azure ML Workspace?](#)
- [How to select algorithms with AML](#)
- [Azure ML SDK for Python](#)
- [Azure ML SDK for R](#)
- [Azure ML CLI Extension](#)
- [Set up Azure ML Visual Studio Code extension](#)

## Module 2:

- [What is Azure ML Designer](#)
- [Tutorial: Predict automobile price with Designer](#)
- [Example pipelines & datasets for Azure Machine Learning designer](#)
- [Algorithm & module reference for Azure Machine Learning designer](#)
- [Evaluate model module and information on metrics used](#)

## Module 3:

- [Several ways to train your models with Azure ML](#)
- [Configure and submit training runs](#)
- [Pre-configured estimators](#)
- [Track experiment runs and deploy ML models with MLflow and Azure Machine Learning](#)
- [Registering a model in Azure ML](#)

## Module 4:

- [Introduction to Core Azure Storage Services](#)
- [Secure data access in Azure Machine Learning](#)
- [Create and register datastores](#)
- [Version and track datasets in experiments](#)
- [Create datasets with Azure Open Datasets](#)

## Module 5:

- [Understanding conda and pip](#)
- [What are Azure ML Environments](#)
- [Create and use virtual environments](#)
- [List of curated environments](#)
- [Compute targets in Azure ML](#)
- [Set up compute targets for training](#)
- [Manage compute with Python SDK](#)
- [Use secrets in training runs with Azure Key Vault](#)

## Module 6:

- [What are Azure ML Pipelines?](#)
- [Pipelines in Designer](#)

- [How to schedule pipelines](#)
- [Best practices when using Azure ML Pipelines](#)

## Module 7:

- [Deploy Models with Azure ML](#)
- [How to deploy non-Azure ML model](#)
- [Tutorial: Deploy an image classification model in ACI](#)
- [Troubleshoot ParallelRunStep](#)
- [Batch scoring of IoT devices example](#)

## Module 8:

- [Tune Hyperparameters with Azure ML](#)
- [What is Automated ML?](#)
- [Prevent overfitting and imbalanced data with Automated ML](#)
- [Primary Metric Options](#)
- [Understand results and metrics](#)
- [Tutorial: Create a forecasting model using Automated ML](#)
- [Tutorial: Forecast bike sharing demand with Automated ML](#)

## Module 9:

- [Model Interpretability in Azure ML](#)
- [When to use which Model Explainer](#)
- [Explain ML models and predictions](#)
- [ML Interpretability with Automated ML](#)
- [Sample Notebooks: Explain models with Azure ML Interpret SDK](#)
- [Book on Model Interpretability to understand statistics](#)

## Module 10:

- [Monitor and collect data from Azure ML web service endpoints](#)
- [Log Query Overview](#)
- [Collect and evaluate data for model deployed on AKS](#)
- [How to monitor datasets](#)
- [Data drift detection with Azure ML \(Channel 9 video\)](#)