

Applied Machine Learning

Modality: Self-Paced Learning

Duration: 24 Hours

SATV Value:

CLC:

NATU:

SUBSCRIPTION: Learn, Master

This course is for professionals planning to enroll in the 70-774 Exam leading to the 70-774 Certification. The official exam voucher is not included in this course. However, the official exam voucher can be purchased separately on request.

About this Course:

This beginner-level course is specifically designed for professionals and candidates striving to learn the key Data Science methods and techniques. The course reviews both the practical and theoretical sides of machine learning concepts and is best for candidates striving to learn more about machine learning. Professionals with substantial knowledge and understanding of machine learning can pursue successful careers in the niche of Data Science and work as a professional Data Analyst. On average, a professional Data Analyst earns \$135,000 annually.

This course encompasses four modules from which the first two focuses on the specialized data types and the last two emphasize the unstructured data. Professionals will get to learn the basics of working with Azure Machine Learning and Python Tools and will also learn the art of solving advanced problems related to Data Science. The primary objective of this course is to train and prepare candidates for success in the 70-774 Certification Exam.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Analysis and Forecasting of Time Series
- Spatial Data Analysis Essentials
- Text Analytics Fundamentals and Essentials
- Reviewing Image Analysis

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- Professionals willing to learn Machine Language
- Big Data Professionals

Prerequisites:

There are no major prerequisites for the Applied Machine Learning course. Candidates only need to have familiarity with High-School Mathematics. However, certification in Azure Fundamentals is highly recommended

Course Outline:

Module 1: Time Series and Forecasting

- Lesson 1: Introduction to Time Series
- Lesson 2: Working with Time Series
- Lesson 3: Forecasting in Context
- Lab: Time Series and Forecasting

Module 2: Spatial Data Analysis

- Lesson 1: Introduction to Spatial Data
- Lesson 2: Working with Spatial Data
- Lesson 3: Spatial Data in Context
- Lab: Spatial Data Analysis

Module 3: Text Analytics

- Lesson 1: Introduction to Text Analytics
- Lesson 2: Working with Text
- Lesson 3: Text Analytics in Context
- Lab: Text Analytics

Module 4: Image Analysis

- Lesson 1: Introduction to Image Analysis
- Lesson 2: Working with Images
- Lesson 3: Image Analysis In Context
- Lab: Image Analysis

Final Exam

- Course Exam