Practical Data Science and Machine Learning

ABOUT COURSE:

Learn NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Scipy, and develop Machine Learning Models in Python

WHAT YOU'LL LEARN:

1. Understanding the basic concepts
2. Complete tutorial about basic packages like NumPy and Pandas
3. Data Visualization
4. Data Preprocessing
5. Understanding the concept behind the algorithms
6. Developing different kinds of Machine Learning models
7. Knowing how to optimize hyperparameters of your models
8. Learn how to develop models based on the requirement of your future business

DESCRIPTION:

Are you interested in Data Science and Machine Learning, but you don't have any background, and you find the concepts confusing?

Are you interested in programming in Python, but you always afraid of coding?

We think this course is for you!

Even you are familiar with machine learning, this course can help you to review all the techniques and understand the concept behind each term.

This course is completely categorized, and we don't start from the middle! We actually start the concept of every term, and then we try to implement it in Python step by step. The structure of the course is as follows:

Chapter 01: Introduction and all required installations, Data Science vs Data Mining, Machine Learning Types, Useful Machine Learning Libraries (NumPy, Pandas, Matplotlib)

Chapter 02: Data Preprocessing

Chapter 03: Supervised Learning: Classification

Chapter 04: Supervised Learning: Regression

Chapter 05: Unsupervised Learning: Clustering

Chapter 06: Hyper Parameter Optimization (Model Tuning)

Additional: You will learn how to work with different real datasets and use them for developing your models. All the code is written in Python language and we will guide you step by step.

Note: That this course is created for you with any background as all the concepts will be explained from the basics. Also, the programming in Python will be explained from the basic coding, and you just need to know the

syntax of Python.

WHO THIS COURSE IS FOR:

1. Anyone with any background that interested in Data Science and Machine Learning with at least high school (+2) knowledge in mathematics.
2. Beginners, intermediate, and even advanced students in the field of Artificial Intelligence (AI), Data Science (DS), and Machine Learning (ML)
3. Students in college that looking for securing their future jobs
4. Students that look forward to excel their Final Year Project by learning Machine Learning
5. Anyone who afraid of coding in Python but interested in Machine Learning concepts
6. Anyone who wants to create new knowledge on the different dataset using machine learning
7. Students who want to apply machine learning models in their projects.