Applied Data Science with Python

Course Introduction

Learning Path

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Introduction to Data Science: Focuses on the basics of data science and its applications. Will discuss data science packages that will help you in further to complete the course.

Pandas: Focuses on the concepts of data analysis, types, and structures using pandas functions.

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NumPy: Focuses on the concepts of NumPy and its uses

Learning Path

Data Visualization: Focuses on visualization techniques and different types of charts.

Probability Distribution: Focuses on the different aspects of probability and the various types of probability distribution

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Maths and Statistics Fundamentals: Focuses on the fundamentals of statistics, its types, and data categorization, as well as the concepts of scalar, vector, and matrix

Learning Path

Advanced Statistics: Focuses on the concepts of probability and advanced statistics, such as hypothesis testing.

Feature Engineering: Focuses on feature engineering techniques like, data imputation, scaling, binning, grouping operations
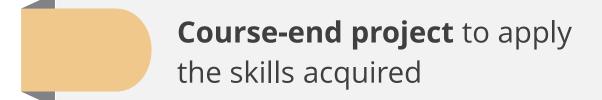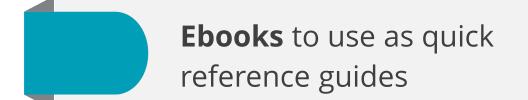
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Data Wrangling: Focuses on rearranging, cleaning, and refining raw data to prepare it for model building.

Program Components

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Hands-on exercises to practice the knowledge gained

Course-end project to apply the skills acquired

Ebooks to use as quick reference guides

Let's get started!