

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. This course also covers data science packages that will further help you grasp the concepts.

1

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

3

2

NumPy: Focuses on the concepts of NumPy and its uses

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

4

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

6

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

5

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

7

Feature Engineering: Focuses on feature engineering techniques like, data imputation, scaling, binning, and grouping operations

9

Data Wrangling: Focuses on rearranging, cleaning, and refining raw data to prepare it for model building

8

Course Components

Program Components



Hands-on exercises to practice the knowledge gained



Course-end project to apply the skills acquired



Ebooks to use as a quick reference guide

Let's get started!