

Applied Data Science with Python



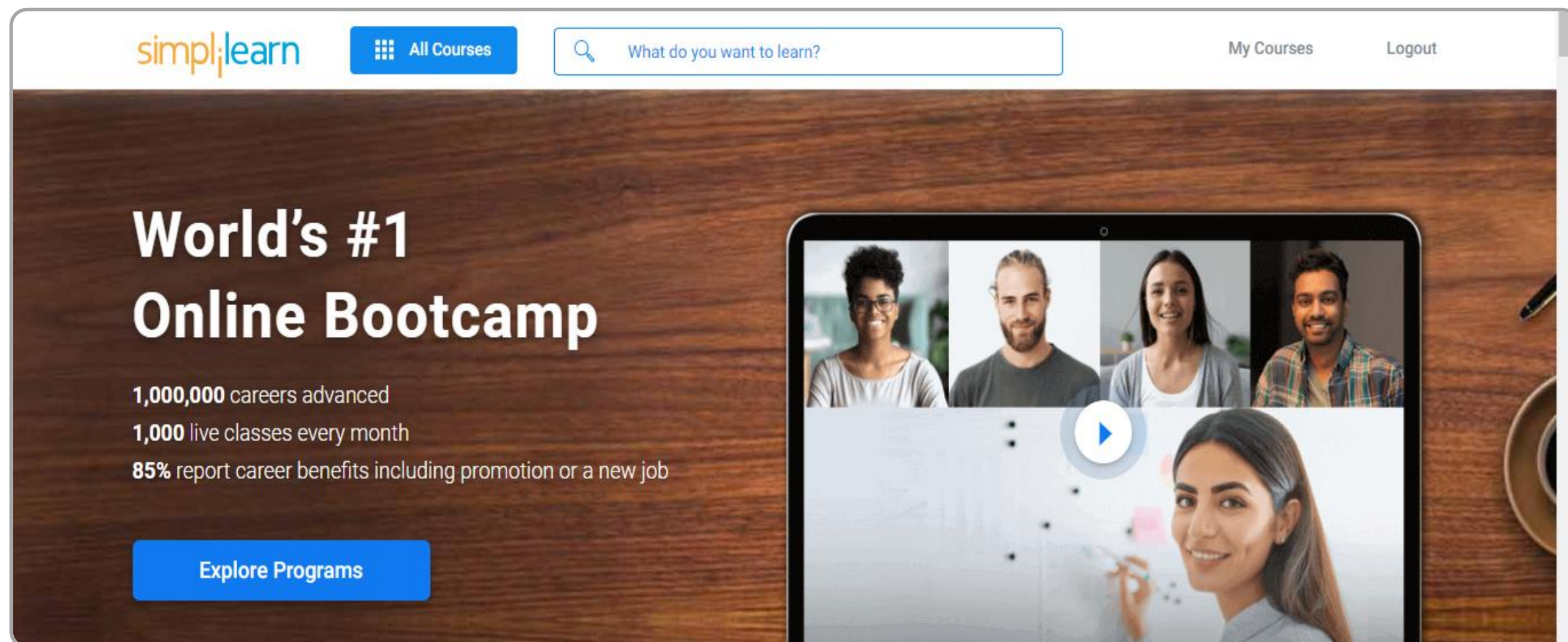
Course Introduction



About Simplilearn

Simplilearn

Simplilearn has focused on its digital economy skills for over a decade. It is now the world's number one online bootcamp.



Simplilearn Program Features

Simplilearn

Simplilearn provides:



Self-paced
learning content



Hands-on exercises



Live virtual class

Enriched with demos
and case studies

Supported by interactive
labs

Target Audience

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The program is well-suited for:



IT professionals



Analytics manager



Business analysts



Banking and finance professionals

Target Audience

The program is well-suited for:



Marketing managers



Supply chain network managers



Beginners or recent graduates

Learning Path

Learning Path

Introduction to Data Science:
Focuses on the basics of data science and its applications

1

NumPy: Focuses on the concepts of NumPy and its uses

3

Essentials of Python Programming: Focuses on setting up Jupyter Notebook, importing the data science packages, and understanding Python fundamentals.

2

Learning Path

Linear Algebra: Focuses on the concepts of scalar, vector, and matrix

4

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

6

5

Statistics Fundamentals:
Focuses on the fundamentals of statistics, its types, and data categorization

Learning Path

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

7

Data Analysis: Focuses on the process of inspecting data to discover insightful information.

9

8

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

Learning Path

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

10

End-to-End Statistics Application: Focuses on applying statistical analysis and providing observations, using a use case for the sales data.

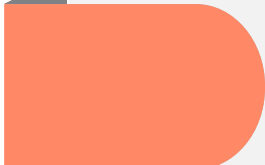
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Data Visualization: Focuses on visualization techniques and different types of charts.

Program Components


Program Components



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!