

ADVANCED DATA SCIENCE CERTIFICATION

As per International Standards



UNICHROME

Unichrone Training **Advantages**

- ✓ 4 Day Interactive Instructor –led Online/Classroom or Group Training
- ✓ Course study materials designed by subject matter experts
- ✓ Mock Tests to prepare in a best way
- ✓ Highly qualified, expert & accredited trainers with vast experience
- ✓ Enrich with Industry best practices and case studies and present trends
- ✓ Advanced Data Science Training Course adhered with International Standards
- ✓ End-to-end support via phone, mail, and chat
- ✓ Convenient Weekday/weekend Advanced Data Science Training Course schedule



About Unichrone

✓ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies



AkerSolutions



Importance of Advanced Data Science Training

- ✓ Advanced Data Science Certification serves as a guiding light for data professionals making their way through the complexities of this dynamically changing landscape. This credential covers concepts such as machine learning, big data analytics, and predictive modelling in depth to arm its participants with skills necessary to succeed in the world of data. Advanced Data Science Certification is a globally recognized certification that demonstrates knowledge of leading-edge techniques and tools needed to extract actionable insights from complex datasets.
- ✓ Enrollment in Advanced Data Science Training offered by Unichrone is designed to equip data professionals with the necessary expertise and abilities to thrive in the contemporary world of big data. Emphasizing the application of concepts and case studies, this course offers a variety of flexible learning options including live online instructor-led classes and in-classroom corporate group training for different learning preferences and organization needs. These include machine learning, big data analytics as well as predictive modelling among others which are advanced subjects covered during this training.

ELIGIBILITY CRITERIA

- ✓ Aspirants need not meet any requirements to pursue Advanced Data Science Training Course. However, having prior knowledge is beneficial.

WHO SHOULD ATTEND

- ✓ Any individual who wants to gain skills to understand Data Science can enroll in the Advanced Data Science Training course.

ADVANCED DATA SCIENCE CERTIFICATION ADVANTAGES



CERTIFIES
YOUR TALENT



HELPS
BUILDING
VALUES



GLOBAL
RECOGNITION



BUILDS
CUSTOMER
LOYALTY



PERFECT
EXECUTION



MORE
EMPLOYABILITY
OPTIONS

Syllabus of Advanced Data Science Training

Lesson 01 – Python for Data Analysis – NumPy

1.	Introduction to NumPy
2.	NumPy Arrays
3.	Aggregations
4.	Computation on Arrays: Broadcasting
5.	Comparison, Boolean Logic and Masks
6.	Fancy Indexing
7.	Sorting Arrays
8.	NumPy's Structured Arrays

Lesson 02 – Python for Data Analysis – Pandas

1.	Installing Pandas
2.	Pandas Objects
3.	Data Indexing and Selection
4.	Operating on Data in Pandas
5.	Handling Missing Data
6.	Hierarchical Indexing
7.	Concat and Append
8.	Merge and Join
9.	Aggregations and Grouping
10.	Pivot Tables
11.	Vectorized String Operations
12.	Working with Time Series
13.	Eval() and Query()

Syllabus of Advanced Data Science Training

Lesson 03 – Python for Data Visualization – Matplotlib

1.	Overview
2.	Object-Oriented Interface
3.	Two interfaces
4.	Simple Line Plots and Scatter Plots
5.	Visualizing Errors
6.	Contour Plots
7.	Histograms, Binnings and Density
8.	Customizing Plot Legends
9.	Customizing Color Bars
10.	Multiple Subplots
11.	Text Annotation
12.	Three-Dimensional Plotting

Lesson 04 – Python for Data Visualization – Seaborn

1.	Installing Seaborn and Load Dataset
2.	Plot the Distribution
3.	Regression Analysis
4.	Basic Aesthetic Themes and Styles
5.	Distinguish between Scatter Plots, Hexbin Plots and KDE Plots
6.	Use Boxplots and Violin Plots
7.	Compare the Use Cases of Swarn Plots, Bar Plots Strip Plots, and Categorical Plots
8.	Recall Some of the Use Cases and Features of Seaborn

Syllabus of Advanced Data Science Training

Lesson 05 – Machine Learning

1.	Introduction
2.	Importance
3.	Types
4.	How Machine Learning Works?
5.	Machine Learning Mathematics

Lesson 06 – Natural Language Processing

1.	Introduction to NLP
2.	NLP and Writing Systems
3.	Advantages
4.	NLP Applications

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Lesson 07 – Deep Learning

1.	Introduction
2.	Importance
3.	Working

Lesson 08 – Big Data

1.	Big Data Analytics
2.	State of Practice in Analytics
3.	Main Roles for New Big Data Ecosystem
4.	Phases of Data Analytics Lifecycle

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Lesson 09 – Working with Data in R

1.	Data Manipulation in R
2.	Data Clean Up
3.	Reading and Exporting Data
4.	Importing Data
5.	Charts and Graphs

Lesson 10 – Regression in R

1.	Regression Analysis
2.	Linear Regression
3.	Logistic Regression
4.	Multiple Regression
5.	Normal Distribution
6.	Binomial Distribution

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Lesson 11 – Modelling Data

1.	What are Relationships?
2.	Viewing Relationships
3.	Creating Relationships
4.	Cardinality
5.	Cross Filter Direction
6.	What is DAX?
7.	Syntax
8.	Functions
9.	Row Context
10.	Calculated Columns
11.	Calculated Tables
12.	Measures

Lesson 12 – Shaping and Combining Data using Power BI

1.	Query Editor
2.	Shaping Data and Applied Steps
3.	Advanced Editor
4.	Formatting Data
5.	Transforming Data
6.	Combining Data

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Lesson 13– Interactive Data Visualizations

1.	Page Layout and Formatting
2.	Multiple Visualization
3.	Creating Charts
4.	Using Geographic Data
5.	Histograms
6.	Power BI Admin Portal
7.	Service Settings
8.	Desktop Settings
9.	Dashboard and Report Settings

Exam Format of Advanced Data Science Certification

Examination Format	
Exam Name	Advanced Data Science Exam
Exam Format	Multiple Choice
Total Questions & Duration	20 Questions, 2 Hours
Passing Score	Minimum passing score of 70%
Exam Cost	Included in training fee

To get you fully prepared with the knowledge and skills for Advanced Data Science, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by certified faculty, the practice tests are a true simulation of the Advanced Data Science exam.

Contact Us

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<https://unichrone.com/>

