UnCodemy

DATA Analytics Program

Job Guarantee program

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Email : Info@uncodemy.com

ABOUT US

Uncodemy is one among a couple of driving organizations / in Delhi, Noida, NCR, India that give undeniable preparation in Data Science, Machine learning, Python programming, Tableau, - Deep Learning, and Artificial Intelligence. We at the collegetarget producing quality experts who can withstand the developingcontest and rising intricacies in the innovative world. We aregrowing and leading the company of Delhi, Noida, NCR, India.
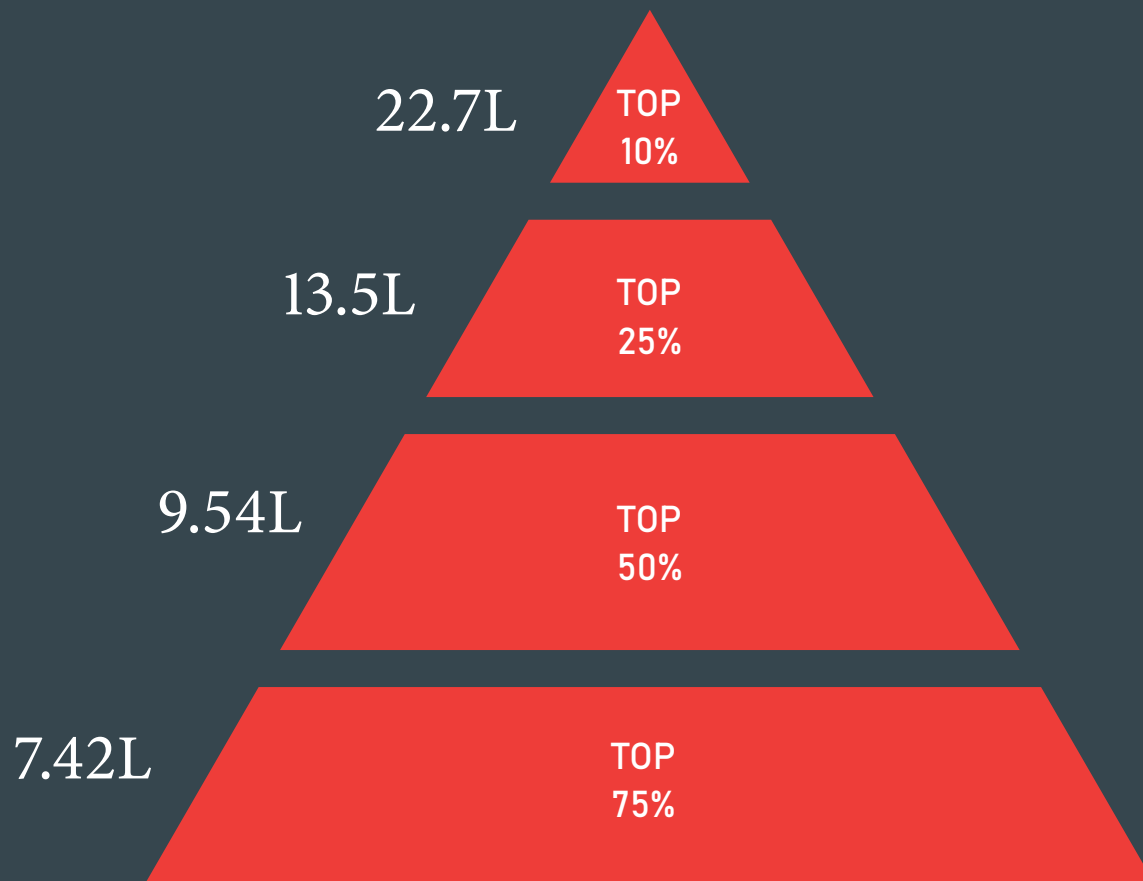
THE UNCODEMY

Is an Educational and Professional improvement Organization that has been established to propel the product and ITcalling by advancing and perceiving demonstrable skill through training, counselling, gatherings and accreditation. Our Professional Dedicated Team guarantees to give you the best of specialization courses underdisciplines like Data Science Machine Learning, Data Mining, Tableau, Text Mining, ReactJS, NodeJS, Angular, Python Programming, Deep Learning, and Java, network protection, programming testing, CloudTechnology, Digital advertising and a lot more with an emphasis ontrustworthiness and on the web and Offline learning. We're attemptingto transform our enthusiasm for IT Software Training Platform into athriving position and occupation situated in the preparing stage withoutany hesitation at work.

Our aim is simple: We strive to createhigh-impact, hands-on experiencesthat prepare learners for meaningfuland productive careers.

Warm Regards,
Founder Uncodemy

SALARY PACKAGE

22.7L · TOP 10%

13.5L · TOP 25%

9.54L · TOP 50%

7.42L · TOP 75%

The results of a Data analytics job is tracked in a database for engineers to review so they can fix the defect. There are times when the position can seem monotonous, but the focus of your work will constantly change to different aspects of the program, alleviating some of the repetition. You also get an early look at the latest in technology and have a hand in making sure that a program is as defect free as possible. Finally, with Business being an area that will always grow, Data analytics have one of most secure jobs in the tech industry.

Why Should You Choose
UnCodemy?

Top MNCs

Uncodemy partners with top-tier companies to ensure that its students receive instruction from industry experts with hands-on experience in the field of Data analytics .

No. 1 Institute for the Data analytics Course

Uncodemy in Noida stands out as the premier Data analytics course provider, featuring industry-experienced mentors from major corporations. With a commitment to 100% placements, it offers live project experiences, flexible online & offline training modes, and accelerated certification options catering to working professionals.

About Courses

Uncodemy follows a structured approach and comprehensive curriculum. Here are some key reasons why learning Data analytics from a training program can be beneficial:

1. Access to experienced instructors who can provide personalized guidance and support.

2. Exposure to industry-relevant tools and technologies.

3. Hands-on experience with real-world datasets and projects.

4. Networking opportunities with other students and professionals in the field.

5. A structured curriculum that covers the key concepts and skills needed to succeed in Data analytics .

6. Access to job placement assistance and career counseling.

About Industry Expert Trainers

Uncodemy partners with seasoned industry professionals to provide students with first-hand knowledge and real-world applications in the realm of Data analytics. These experienced instructors share their practical insights, equipping students not only with theoretical knowledge but also with the practical skills needed to succeed in the field.

About Certificate

Uncodemy is recognized by top industry bodies such as ISO and NASSCOM and is also endorsed by Skill India, a government initiative aimed at boosting skills development in the country. The certifications provided by Uncodemy are highly valued by employers, as they signify that the candidate has completed a rigorous program and has the necessary skills and knowledge to excel in the field.

Doubt Session

Uncodemy facilitates doubt sessions where students can receive individualized attention and clarification on challenging concepts. These sessions are led by experienced instructors who provide comprehensive explanations and examples, ensuring that students leave the session with a thorough understanding of the material.

Grooming Session

Soft skills training to improve communication, networking, and leadership skills. Identifying and highlighting transferable skills that may not be obvious.

CV building

Helping students build a killer resume. Ensuring that the resume includes relevant keywords to help it stand out in applicant tracking systems. Overall, it's about helping students make their resume shine and stand out from the competition.

Interview session

The goal is to prepare students for the job interview process, giving them the chance to practice their communication and interpersonal skills, and helping them feel more confident and prepared for the real thing.

Mock interview

Uncodemy uses mock interviews in its IT training program as a tool to help students refine their interview skills and prepare for job interviews in the tech industry. The mock interviews are designed to replicate the pressure and format of a real interview, without the actual job at stake.

Key Features

Live industry-based projects	100% placement assistance	CV building	Confidence Building
Online & offline	weekly & weekend classes	Interview Session	Mock Interview Session
Course Completion certificate	Recorded Class	Group Discussion	Communication Skills
Interview Session	6 Monthe internship	Access to Class & Training Until Placement	

Top Skills and Tools Covered

Excel	tableau	NumPy	python
pandas	SQL	Py Charm	jupyter
Machine Learning	Power BI	matplotlib	Google colab
seaborn			

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Course
Curriculum

Module 1 Python for Data Analytics

Python Basics

- Need for Programming
- Advantages of Programming
- Overview of Python
- Organizations using Python
- Python Applications in Various Domains
- Python Installation
- Variables
- Operands and Expressions
- Conditional Statements
- Loops
- Command Line Arguments

Functions and Object Oriented Programming

- User-Defined Functions
- Concept of Return Statement
- Concept of name =" main "
- Function Parameters
- Different Types of Arguments
- Global Variables
- Global Keyword
- Variable Scope and Returning Values
- Lambda Functions
- Various Built-In Functions

- Introduction to Object-Oriented Concepts
- Built-In Class Attributes
- Public, Protected and Private Attributes, and Methods
- Class Variable and Instance Variable
- Constructor and Destructor
- Decorator in Python
- Core Object-Oriented Principles
- Inheritance and Its Types
- Method Resolution Order
- Overloading
- Overriding
- Getter and Setter Methods
- Inheritance-In-Class Case Study

Data Structure and File Operations

- Method of Accepting User Input and eval Function
- Python - Files Input/Output Functions
- Lists and Related Operations
- Tuples and Related Operations
- Strings and Related Operations
- Sets and Related Operations
- Dictionaries and Related Operations

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Course
Curriculum

Working with Modules and Handling Exceptions

- Standard Libraries

- Packages and Import Statements

- Reload Function

- Important Modules in Python

- Sys Module

- Os Module

- Math Module

- Date-Time Module

- Random Module

Data Manipulation using pandas

- Introduction to pandas

- Data structures in pandas

- Series

- Data Frames

- Importing and Exporting Files in Python

- Basic Functionalities of a Data Object

- Merging of Data Objects

- Concatenation of Data Objects

- JSON Module

- Regular Expression

- Exception Handling

Introduction to NumPy

- Basics of Data Analysis

- NumPy - Arrays

- Operations on Arrays

- Indexing Slicing and Iterating

- NumPy ArrayAttributes

- Matrix Product

- NumPy Functions

- Functions

- Array Manipulation

- File Handling Using NumPy

- Array Creation and Logic Functions

- File Handling Using Numpy

- Types of Joins on Data Objects

- Data Cleaning using pandas

- Exploring Datasets

Course
Curriculum

Module 2 - Data Science Primer and Statistics

Basics of Data Science

- What is Data Science?
- What does Data Science involve?
- Era of Data Science
- Business Intelligence vs Data Science
- Life cycle of Data Science
- Tools of Data Science
- Application of Data Science

Feature Engineering

- What is Feature
- Feature Engineering
- Feature Engineering Process
- Benefit
- Feature Engineering Techniques

Exploratory Data Analysis

- Introduction
- Stages of Analytics
- CRISP DM Data Life Cycle
- Data Types
- Introduction to EDA
- First Business Moment Decision
- Second Business Moment Decision
- Third Business Moment Decision

- Correlation
- Fourth Business Moment Decision

Inferential Statistics & Hypothesis Testing

- Basics Of Probability
- Discrete Probability Distributions
- Continuous Probability Distributions
- Central Limit Theorem
- Concepts Of Hypothesis Testing - I: Null And Alternate Hypothesis, Making A Decision, And Critical Value Method
- Concepts Of Hypothesis Testing - II: P-Value Method And Types Of Errors Industry Demonstration Of Hypothesis Testing: Two-Sample Mean And Proportion Test, A/B Testing

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Curriculum

Module 3 - Machine Learning

Linear Regression

- Simple Linear Regression
- Simple Linear Regression In Python
- Multiple Linear Regression
- Multiple Linear Regression In Python
- Industry Relevance Of Linear Regression

KNN classifier

- Data mining classifier technique
- Application of KNN classifier
- Lazy learner classifier
- Altering hyperparameter(k) for better accuracy

Decision Tree Classifier

- Rule based classification method
- Different nodes for develop decision trees
- Discretization
- Entropy
- Greedy approach
- Information gain

Support Vector classifier

- Black box
- SVM hyperplane
- Max margin hyperplane
- Kernel tricks for non linear spaces

Logistic Regression

- Univariate Logistic Regression
- Multivariate Logistic Regression: Model
- Building And Evaluation
- Logistic Regression:
- Industry Applications

Ensemble Learning

- Challenges with standalone model
- Reliability and performance of a standalone model
- Homogeneous & Heterogeneous Ensemble Technique
- Bagging & Boosting
- Random forest
- Stacking
- Voting & Averaging technique

Course
Curriculum

Module 4 - Data Visualization and Story Telling

Basic Visualization Tools

- Bar Charts
- Histograms
- Pie Charts
- Box Plots

Specialized Visualization Tools

- Pair plot
- Word Clouds
- Radar Charts
- Waffle Charts

Basic Visualization Tools Continued

- Scatter Plots
- Line Plots and Regression

Module 5 - SQL

Getting Started and Creating, Selecting & Retrieving Data with SQL

- **Introduction to Databases**
- **How to create a Database instance on Cloud?**
- **Provision a Cloud hosted Database instance.**
- **What is SQL?**
- **Thinking About Your Data**
- **Relational vs. Transactional Models ER Diagram**
- **CREATE Table Statement and DROP tables**
- **UPDATE and DELETE Statements**
- **Retrieving Data with a SELECT Statement**
- **Creating Temporary Tables**
- **Adding Comments to SQL**

Subqueries and Joins in SQL

- **Using Subqueries**
- **Subquery Best Practices and Considerations**
- **Joining Tables**
- **Cartesian (Cross) Joins**
- **Inner Joins**
- **Aliases and Self Joins**
- **Advanced Joins: Left, Right, and Full Outer Joins**
- **Unions**

Course
Curriculum

Filtering, Sorting, and Calculating Data with SQL

- Basics of Filtering with SQL
- Advanced Filtering: IN, OR, and NOT
- Using Wildcards in SQL
- Sorting with ORDER BY
- Math Operations
- Aggregate Functions
- Grouping Data with SQL

Modifying and Analyzing Data with SQL

- Working with Text Strings
- Working with Date and Time Strings
- Date and Time Strings Examples
- Case Statements
- Views

Accessing Databases using Python

- How to access databases using Python?
- Writing code using DB-API
- Connecting to a database using DB API
- Create Database Credentials
- Connecting to a database instance
- Creating tables, loading, inserting, data and querying data
- Analysing data with Python

Module 6 - Excel

Analyzing and Visualizing Data using Excel

- Input data & handling large spreadsheets
- Tricks to get your work done faster
- Automating data analysis (Excel VLOOKUP, IF Function, ROUND and more)
- Transforming messy data into shape
- Cleaning, Processing and Organizing large data
- Spreadsheet design principles
- Drop-down lists in Excel and adding data validation to the cells.
- Creating Charts & Interactive reports with Excel Pivot Tables, Pivot Charts, Slicers and
- Timelines
- Functions like: - COUNTIFS, COUNT, SUMIFS, AVERAGE and many more.

- Excel features: - Sort, Filter, Search & Replace Go to Special etc...
- Importing and Transforming data (with Power Query)
- Customize the Microsoft Excel interface
- Formatting correctly for professional reports.
- Commenting on cells.
- Automate data entry with Autofill and Flash-fill.
- Writing Excel formulas & referencing to other workbooks / worksheets.
- Printing options
- Charts beyond column and bar charts: - Pareto chart, Histogram, Tree map, Sunburst
- Charts & more

Course
Curriculum

Module 7 - TABLEAU

Analyzing and Visualizing Data using Tableau

- Introduction to Data Visualization
- Tableau Introduction and Tableau Architecture
- Exploring Data using Tableau
- Working with Data using Tableau including Data Extraction and Blending
- Various Charts in Tableau(Basics to Advanced)
- Sorting-Quick Sort, Sort from Axis, Legends, Axis, Sort by Fields
- Filtering- Dimension Filters, Measure Filters, Date Filters, Tableau Context Filters

- Reference Lines, Bands and Distribution
- Parameters, Dynamic Parameters and Actions
- Forecasting-Exponential Smoothening Techniques
- Clustering
- Calculated Fields in Tableau, Quick Tables
- Tableau Mapping Features
- Tableau Dashboards, Dashboards Action and Stories
- Groups , Sets and Combined Sets

Module 8 - POWER BI

Introduction To Power BI

- Introduction to Power BI – Need, Imprtance
- Power BI – Advantages and Scalable Options
- Power BI Data Source Library and DW Files
- Business Analyst Tools, MS Cloud Tools
- Power BI Installation
- Power BI Desktop – Instalation, Usage
- Sample Reports and Visualization Controls
- Understanding Desktop & Mobile Editions
- Report Rendering Options and End User Access

Creating POWER BI Reports, Auto Filters

- Report Design with Databse Tables
- Report Visuals, Fields and UI Options
- Reports with Multiple Pages and Advantages
- Pages with Multiple Visualizations. Data Access
- "GET DATA" Options and Report Fields, Filters
- Report View Options: Full, Fit Page, Width Scale
- Report Design using Databases & Queries

CERTIFICATE

OF TRAINING

(ISO 9001 : 2015 Certified)

PROUDLY PRESENTED TO

Devanshi Pande

You have successfully completed your
Four Months Training on Data Analytics with specialisation in Python.

28TH JULY 2023

DATE

MR. PRADIP MEHTA

Founder

UnCodemy

Certified By :

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कौशल भारत - कुशल भारत

NASSCOM®
Certified Member

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Partner

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A MeitY - NASSCOM Digital Skilling Initiative

Email : Info@uncodemy.com

Our Alumnus & Companies

Our Industry Expert
Trainers

Upendra Kumar Tiwari

Data Scientist | Machine Learning | Data Visualization | NLP | Financial Analytics | Machine Learning on Cloud.

"Having more than 15 years of experience. always willing to accept new challenges, roles, and responsibilities. love to learn and share what I have learned. I believe that the ability to juggle data using Math and Programming skills will help uncover many business solutions. With a deep interest in Machine Learning and Artificial Intelligence, aiming to provide knowledge to ML and AI enthusiasts.

Irshad Khan

Data Scientist | Machine Learning | Python | Statistical Modeling | Analytics| Researcher | Applied Mathematics

"Data scientist enthusiast with strong experience in using a variety of data mining/ data analysis methods, a variety of data tools, building and implementing simulations. with extensive experience in solving many real-world business problems across different domains through insights from predictive modeling, data processing, and data mining, machine learning, and deep learning algorithms.

Kunal Arora

Senior Data Scientist at Yum

"An enthusiastic, energetic, and self-motivated learner who believes in hard work as well as smart work. I believe in working smart rather than working hard. I like to explore new ideas and experiment with them and I am interested in Python Programming Language. To describe myself in one word I can say I have a great passion for data science and its application in problem-solving, which is backed with practical knowledge. My aim is to get a chance to prove myself.

Placement

TANVI SINGH
wipro

RAJENDRA YADAV
HCLTech

ABHISHEK KUMAR
mamaearth

ABHILASHA RATHI
Infosys

RUBY SHARMA
elmenus

ADITYA SINGH
Deloitte.

PRIYA PARIHAR
MeeTri

DEVENDRA KUMAR
HITACHI

Neha Sharma
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GlobalLogic

ARUN PAL
maruti techlabs
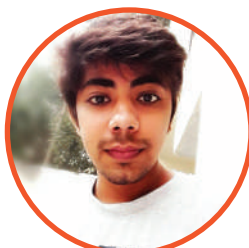
BABITA SINGH
HCL

DEEPAK
IBM

JUHI SHARMA
rapidops

NAMRATA
ADITI CONSULTING

PRASHANT
TECH EXACTLY

CHIRAG GUPTA
RADIXWEB
Simplified IT Outsourcing

SAURABH MISHRA
KPMG

SHURTI
AppInventiv

AKASH SINGH
One card

Congratulations To our selected students

SUCCESS STORIES

BABITA
Company Adobe

Uncodemy is the perfect place to start your data science career, as they provide regular live classes with doubt resolution. Moreover, they also allow students to book additional mentor - ship to sessions with industry experts tounderstand challenging topics better and gain industry insights. Uncodemy as highly as possible and suggest all the aspirants join Uncodemy with hesitation.

ADITYA SINGH
Company : Deloitte

Uncodemy is a good place to start up if you are looking for a career transition or build a career in Data analytics. Moreover, guest lectures by Upendra sir are very insightful. Very efficient manage to reach out for any help during train - ing. The best thing is, they also offer support in looking for jobs post training. Thank You..

NEELAM
Company : wipro

I"ve always wanted to create complete web applications on my own. | went for an Uncodemy Python Full Stack Course. | am 50 grateful to Uncodemy now because | can fulfil my dream. Their staff and training are 50 fruitful, They will walk you through the process of building your first full - stack Python web application. If you Want to be a good program developer, hurry up and go for the Uncodemy Python.

Full Stack Course.

RITESH SINGH
Company : Bloohash

After spending 2 years in Non-IT job, decided to switch to IT job. Uncodemy is one of the leading brand in this section.
I have compplete here Soft - ware testing training course. They have very good trainers and HR team Who helps you to find the right job.The training content is very excellent and very useful to get your dream IT job. special thanks to Shivendra Sir, Ug sir, Anam Ma'am and HR department team for proper guidance and help throughout this journey. Now I'm working in the leading IT company with good package, all thanks to Uncodemy team.

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