

Infique AI Services Pvt Ltd

DATA SCIENCE WITH PYTHON

COMBO COURSE





Infique AI Services Pvt Ltd



Why Learn Data Science Using Python?

Stay Ahead of the Change

- The average salary base for a Data Scientist is \$128,750
- Demand For Data Scientists Will Soar by 28% By 2020
- Data Science Job Openings are expected to increase to 2,720,000 In India, the initial salary ranges between 4,63,000 – 10,22,000 INR



What Will You Get?

Learning That's Not Confined

36

Number of Modules

108+

Training Hours

72+

Assignment Hours

9+

Projects

36+

Assignments

10+

Trainers

24*7

Forum
Support

Silent Features:-



3 Hrs/Week Live
Instructor-Led online Sessions



3 Weeks of
Project Work



Active Q/A Forum



Class Labs/Home Assignment
(05 hrs/Week Learning Time)



Govt. of India
(Vskills Certified Course)



Placement Support



Individual Attention to
Each Learner



Lifetime Access to
Updated Content and Videos



Industry and
Academia Faculty



Multiple Tools
Covered



Internal Competitions
with Prizes



Top
Rated
Advisors



Industry Relevant
Curriculum



Doubt Clearing Sessions



Hands-on Approach



Money Back
Guarantee

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Who Should do this Course?

Get Ready to Transform

- Freshers aspiring an exemplary career in Data Science
- Non-IT Professionals desirous of making a career shift to the Data Science

Industry





Data Science

Data science is the hottest technology of the digital age. Python is one of the most popular languages in data science, which is used to perform data analysis, data manipulation, and data visualization.



Data Analysis

- Data visualization using Bokeh
- Exploratory Data Analysis in Python
- Data visualization with different Charts in Python
- Data Analysis and Visualization with Python
- Math operations for Data analysis



Numpy

- ndarray
- Array Creation
- Data Type Objects
- Data type Object (dtype) in NumPy
- Indexing
 - Basic Slicing and Advanced Indexing
 - Iterating Over Array
- Binary Operations
- Mathematical Function
- String Operations
- Linear Algebra
- Sorting, Searching, and Counting
- Set 1 (Introduction)
- Set 2 (Advanced)
- Multiplication of two Matrices in Single line using Numpy in Python

Pandas DataFrame

- Creating a Pandas DataFrame
- Dealing with Rows and Columns in Pandas
- Data Frame Indexing and Selecting Data with Pandas
- Boolean Indexing in Pandas
- Conversion Functions in Pandas Data Frame
- Iterating over rows and columns in Pandas
- Data Frame Working with Missing Data in Pandas
- Working With Text Data
- Working with Dates and Times
- Merging, Joining and Concatenating





Matplotlib

- Matplotlib Intro
- Matplotlib Get Started
- Matplotlib Pyplot
- Matplotlib Plotting
- Matplotlib Markers
- Matplotlib Line
- Matplotlib Labels
- Matplotlib Grid
- Matplotlib Subplot
- Matplotlib Scatter
- Matplotlib Bars
- Matplotlib Histograms
- Matplotlib Pie Charts



Seaborn

- Seaborn Tutorial
- Seaborn - Home
- Seaborn - Introduction
- Seaborn - Environment Setup
- Importing Datasets and Libraries
- Seaborn - Figure Aesthetic
- Seaborn- Color Palette
- Seaborn - Histogram
- Seaborn - Kernel Density Estimates
- Visualizing Pairwise Relationship
- Seaborn - Plotting Categorical Data
- Distribution of Observations
- Seaborn - Statistical Estimation
- Seaborn - Plotting Wide Form Data
- Multi Panel Categorical Plots
- Seaborn - Linear Relationships
- Seaborn - Facet Grid
- Seaborn - Pair Grid
- Function Reference
- Seaborn - Function Reference
- Seaborn Useful Resources
- Seaborn - Quick Guide
- Seaborn - Useful Resources
- Seaborn - Discussion



PLOTLY

- Line Chart using Plotly in Python
- Bar chart using Plotly in Python
- Histogram using Plotly in Python
- Scatter plot using Plotly in Python
- Bubble chart using Plotly in Python
- Pie plot using Plotly in Python
- Box Plot using Plotly in Python
- Gantt Chart in plotly
- Contour Plots using Plotly in Python
- Create Heatmaps using graph_objects class in Plotly
- Sunburst Plot using Plotly in Python
- Polar Charts using Plotly in Python
- Ternary Plots in Plotly



Statistics Fundamentals

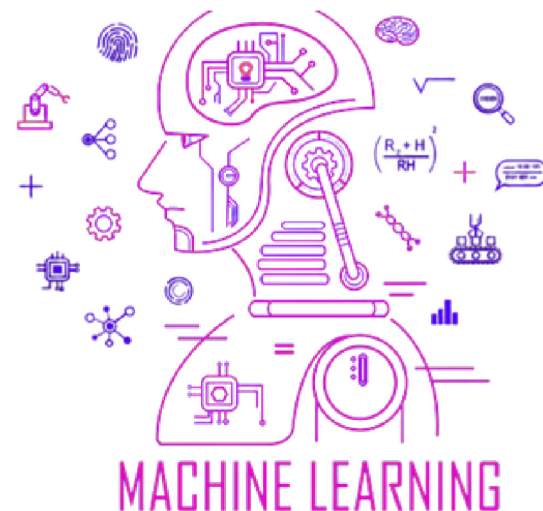
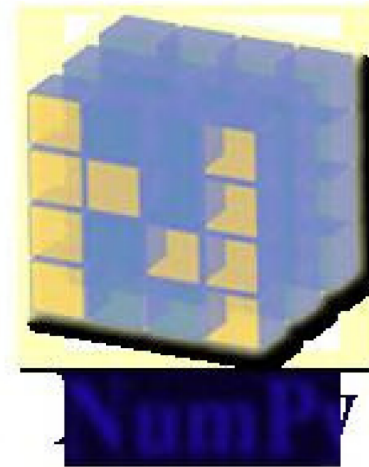
- Graphically Displaying Single Variable
- Measures of Location
- Measures of Spread
- Displaying relationship – Bivariate Data
- Scatterplot
- Measures of association of two or more variables
- Covariance and Correlation
- Probability
- Joint Probability and independent events
- Conditional probability
- Bayes' Theorem
- Prior, Likelihood and Posterior
- Discrete Random Variable
- Probability Distribution of Discrete Random Variable
- Binomial Distribution
- Continuous Random Variables
- Probability Distribution Function
- Uniform Distribution
- Normal Distribution
- Point Estimation
- Interval Estimation
- Hypothesis Testing
- Testing a one-sided Hypothesis Testing
- a two-sided Hypothesis
 - - Random variables
 - - Probability distribution functions (PDFs)
 - - Mean, Variance, Standard Deviation
 - - Covariance and Correlation
 - - Bayes Theorem
 - - Linear Regression and Ordinary Least Squares (OLS)
 - - Gauss-Markov Theorem
 - - Parameter properties (Bias, Consistency, Efficiency)
 - - Confidence intervals
 - - Hypothesis testing
 - - Statistical significance
 - - Type I & Type II Errors
 - - Statistical tests (Student's t-test, F-test)
 - - p-value and its limitations
 - - Inferential Statistics
 - - Central Limit Theorem & Law of Large Numbers
 - - Dimensionality reduction techniques (PCA, FA)

Certifications



**Digital infique Ai
Data Science Certification.**

Tools You Will Learn



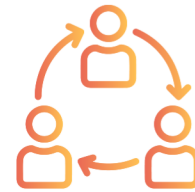
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Placement Services



Resume Creation

On successful completion of the course, which includes submission of assignments & attaining necessary certifications, we work with the candidates to create an effective resume.



Job Application

The updated resume is shared with relevant organisations and agencies including our partners. On shortlisting, we help the candidate to pass the initial round of discussion.



Interview Readiness

Based on the organizations needs & candidates ability, we train them to maneuver themselves to crack the interview. This stage helps the candidate to be 100% ready.



Selection & Joining

After a successful interview, we guide the candidate from accepting the offer to joining the organization for a successful career. We help him to stand out at his workplace.



Interested? Contact Us!

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**Duration
36 Weeks**

**Batch Options
Weekday**