ADMISSION OPEN

ZestGeek
Your Leading Tech Partner

Data analysis & Visualization with Python 3 Months
Training Program

HTML | CSS | JS | PHP

CMS | MySQL

Why Choose us

- ✓ 100% Placement Support
- ✓ Training on Live Projects
- ✓ Modern Facilities
- ✓ Monthly Mock Interviews
- ✓ Smart Classes
- ✓ Pair Programming With Industry Experts

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OUR COURSE INCLUDE

Month 1

Core Python concepts

- ✓ Introduction – data types, operators, input & print functions, IDE's – IDLE & Jupyter Notebook
- ✓ Control flow statements - for, while, if, break
- ✓ Functions – Built-in and user defined
- ✓ Basics of Object oriented programming – classes and objects, inheritance

Introduction to data analysis

- ✓ What is data analysis
- ✓ Standard process of data analysis
- ✓ Importance of data visualization

Month 2

Multidimensional array object & fast operations on arrays (Numpy)

- ✓ Input/output
- ✓ The N-dimensional array & array attributes
- ✓ Indexing
- ✓ Array creation routines
- ✓ Array manipulation routines
- ✓ Broadcasting & universal functions
- ✓ Linear algebra
- ✓ Statistics

Fast, Flexible & Expressive Data Structure (Pandas) :

- ✓ Input/output
- ✓ Pandas Series & Dataframe
- ✓ Attributes
- ✓ Indexing
- ✓ Binary operator functions
- ✓ Function application, Groupby
- ✓ Computations, Descriptive stats
- ✓ Missing Data Handling
- ✓ Combining/ comparing/joining/merging
- ✓ Plotting

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OUR COURSE INCLUDE

Plotting with Matplotlib

- ✓ Line/Marker plot
- ✓ Pie plot
- ✓ Customizing lines & markers
- ✓ Scatter plot
- ✓ Box plot
- ✓ Title & legend
- ✓ Bar plot
- ✓ Histograms
- ✓ Figure layout and annotations

Month 3

Introductory Statistics & Basics of Machine learning

- ✓ Measures of central tendency
- ✓ Measures of dispersion
- ✓ Various Terms – IQR, Pearson Correlation coeff., Overfitting, Underfitting
- ✓ Introduction to machine learning

Scikit -learn for Machine learning

- ✓ Preprocessing
- ✓ Linear regression
- ✓ Decision tree regression
- ✓ Random forest regression

Project - A project using an open source data set, covering the contents given above.

Basics of R Programming

- ✓ Introduction & Basic objects
- ✓ Working with strings
- ✓ Reading and writing data
- ✓ Plotting

Advance Excel

- ✓ Importing data into excel
- ✓ Data cleansing
- ✓ Preliminary data analysis
- ✓ Correlation
- ✓ Visualization
- ✓ Simple linear regression

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