

TechnoMaster

Data Analytics

Duration: 70 Hrs (Changeable) | Fees: Individual / Batch

TRAINING BY INDUSTRY EXPERTS

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- Ethical Hacking



Syllabus Contd..

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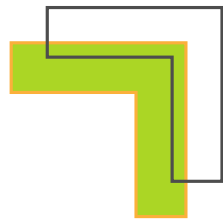
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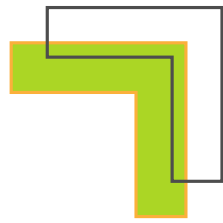


- * Learn Python Program from Scratch
- * Basic programming concepts
- * Object -oriented programming
- * Data types, variables, strings, loops, and functions
- * Software engineering using Python.
- * Statistical and Mathematical Essential for Data Science
- * Collection, classification, and
- * analysis of data
- * A foundational part of Data Science
- * Explain measures of central tendency and dispersion
- * comprehend
- * skewness, correlation, regression, distribution
- * Data Science with Python
- * Jupyter Notebook and PyCharm based
- * lab environmentMachine Learning
- * Data visualization
- * Web
- * scrapingNatural language processing
- * Database
- * Machine Learning
- * Mathematical and heuristic aspects
- * Hands-on modeling to develop algorithms
- * Advanced Machine Learning knowledge.



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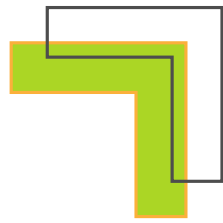


- * Data Analytics with R:
- * Data wrangling data exploration
- * data visualization
- * predictive analytics
- * descriptive analytics techniques
- * import and export data in R
- * data structures in R
- * various statistical
- * concepts
- * cluster analysis
- * forecasting
- * Visualization with Tableau
- * Data Visualization
- * combo charts
- * working with filters
- * parameters
- * sets
- * building interactive dashboards
- * Visualization with Power BI
- * Data
- * filtering
- * Data manipulations



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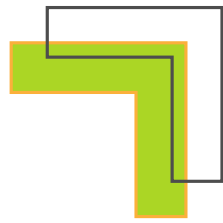


- * understanding the patterns in data
- * create customized dashboards with
- * powerful developer tools
- * Technologies Training:
- * Python:
- * Introduction to Python and Computer Programming
- * Data Types
- * Variables
- * Basic Input -Output Operations
- * Basic Operators
- * Boolean Values
- * Conditional Execution
- * Loops
- * Lists and List Processing
- * Logical and Bitwise Operations
- * Functions
- * Tuples
- * Dictionaries
- * Sets
- * Data Processing
- Modules**
- * Packages



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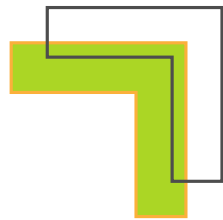


- * String and List Methods
- * Exceptions
- * File Handlings
- * li> Regular expressions
- * the Object -
- * Oriented Approach: Classes, Methods, Objects
- * Standard Objective Features; Exception
- * HandlingWorking with Files
- * R:
- * R IntroductionData Inputting in RStrings
- * VectorsLists
- * Matrices
- * Arrays Functions and Programming
- * in R
- * Data manipulation in RFactors
- * DataFramePackages
- * Data Shaping
- * R-Data InterfaceWeb
- * Data and Database
- * Charts-Pie
- * Bar Charts
- * Boxplots, Histograms



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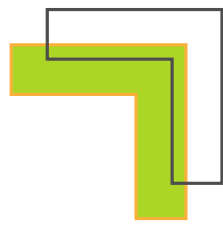


- * LineGraphs
- * Mean
- * Median
- * Mode
- * Regression-Linear
- * Multiple
- * Logistic
- * Poisson
- * Distribution-Normal
- * Binomial
- * Analysis-Covariance
- * Time Series, Survival
- * Nonlinear Least Square
- * Decision Tree
- * Random Forestc
- * MySQL
- * MySQL " Introduction
- * Installation
- * Create Database
- * Drop Database
- * Selecting Database
- * Data Types



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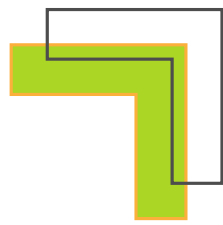


- * Create Tables
- * Drop Tables
- * Insert Query
- * Select Query
- * WHERE Clause
- * Update Query
- * DELETE Query
- * LIKE Clause
- * Sorting Results
- * Using Joins
- * Handling NULL Values
- * ALTER Command
- * Aggregate functions
- * MySQL Clauses
- * MySQL Conditions
- * Matplotlib:
- * Scatter plot
- * Bar charts
- * histogram
- * Stack charts
- * Legend title Style
- * Figures and subplots



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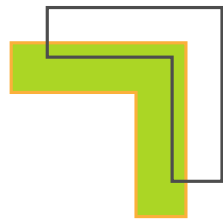


- * Plotting function in pandas
- * Labelling and arranging figures
- * Save plots.
- * Seaborn:
- * Style functions
- * Color palettes
- * Distribution plots
- * Categorical plots
- * Regression plots Axis grid objects.
- * NumPy
- * Creating NumPy arrays
- * Indexing and slicing in NumPy
- * Downloading and parsing data
- * Creating multidimensional arrays
- * NumPy Data types
- * Array attributes
- * Indexing and Slicing
- * Creating array views copies
- * Manipulating array shapes I/O.
- * Pandas:
- * Using multilevel series
- * Series and Data Frames



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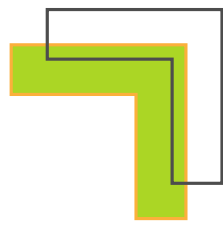


- * Grouping
- * aggregating
- * Merge Data Frames
- * Generate summary tables
- * Group data into logical pieces
- * manipulate dates
- * Creating metrics for analysis
- * Data wrangling
- * Merging and joining
- * Data Mugging using Pandas
- * Building a Predictive Mode.
- * Scikit-learn:
- * Scikit Learn Overview
- * Plotting a graph
- * Identifying features and labels
- * Saving and
- * opening a model
- * Classification
- * Train / test split
- * What is KNN? What is SVM?
- * Linear regression
- * Logistic vs linear regression



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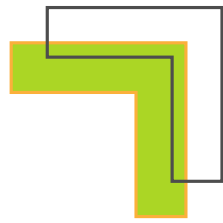


- * KMeans
- * Neural networks
- * Overfitting and underfitting
- * Backpropagation
- * Cost function and gradient descent, CNNs
- * Tableau
- * Tableau Architecture
- * File Types
- * Data Types
- * Tableau Operator
- * String FunctionsDate
- * Functions Logical Functions
- * Aggregate FunctionsvJoins in Tableau
- * Types of Tableau Data Source
- * Data Extracts
- * Filters
- * Sorting
- * Formatting
- * Adding Worksheets and Renaming Worksheet In Tableau
- * Tableau Save
- * Reorder and Delete Worksheet
- * Chartsdashboard.



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- * Power BI
- * Power BI Architecture
- * ComponentsPower BI Desktop
- * Connect to Data in Power BI Desktop
- * Data Sources for Power BI
- * DAX in Power BI
- * Q & A in Power BI
- * Filters in Power BI, Power BI Query
- * Overview
- * Creating and Using Measures in Power
- * Calculated Columns
- * Data Visualizations
- * Charts
- * AreaFunnel
- * ComboDonut
- * Waterfall
- * Line
- * Maps Bar
- * KPI
- * Power BI Dashboard