Dash Plotly Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Dash Plotly is a powerful Python framework for creating interactive and visually appealing web-based dashboards and data visualization applications. Multisoft Systems offers an expert-led Dash Plotly Training designed for data analysts, data scientists, and Python developers who want to master dynamic and interactive data visualizations.

Module 1: Data Analysis

- ✓ Introduction to Pandas (Python programming language for data manipulation and analysis)
- ✓ Understanding Series, Data Frame (rows and columns)
- ✓ Create Data Frame and using List and Dictionary
- ✓ Addition, Subtraction of Columns
- ✓ Column Deletion
- ✓ Row or column selection

Module 2: Data Analysis with csv (data) and excel file

- ✓ How to import csv files
- ✓ How to take information about the different types of variables it contains
- ✓ How to extract information about the total rows and columns it has
- ✓ How to subset the data from that file
- ✓ Removing negative values, replacing missing values with central tendencies
- ✓ Creating/evaluating a new column in an existing dataset
- ✓ Renaming variable names, adding data labels
- ✓ Filtering data according to a specific condition
- ✓ Appending Data sets
- ✓ Merging data sets, Removing duplicates
- ✓ Sorting data-ascending/descending order - wrt one /two vbls
- ✓ Creating Summaries/Reports/Tables - What a Pivot do in MS-Excel
- ✓ Transposing a dataset

Module 3: Data Visualization in Python - matplotlib, plotly

- ✓ Plotting graph
- ✓ Different main function of labeling graphs
- ✓ Styling the graph

Module 4: Dash App Data Visualization

4.1 Understanding of HTML and CSS

- ✓ Introduction to HTML
- ✓ HTML and Web Browsers
- ✓ Structure of HTML Document
- ✓ HTML Elements and Attributes
- ✓ Creating and Opening HTML Files
- ✓ Basic Elements
- ✓ Formatting Elements
- ✓ Displaying Images
- ✓ Hyperlinks
- ✓ Tables
- ✓ HTML Forms
- ✓ HTML Input Elements
- ✓ HTML5 Overview
- ✓ History of HTML5
- ✓ The HTML5 vision
- ✓ WHATWG and W3C specifications
- ✓ What is part of HTML5?
- ✓ HTML5 roadmap
- ✓ HTML5 Markup
- ✓ HTML5 page structure
- ✓ HTML5 DOCTYPE
- ✓ HTML5 markup
- ✓ Structural elements
- ✓ Semantic elements
- ✓ Deprecated elements
- ✓ HTML5 and CSS
- ✓ HTML5 Forms

- ✓ HTML5 form elements
- ✓ Building HTML5 forms
- ✓ Using HTML5 forms

4.2 CSS

- ✓ CSS Overview
- ✓ Selectors
- ✓ Styles
- ✓ Applying Styles
- ✓ Inline Styles
- ✓ Embedded Styles
- ✓ External Styles
- ✓ Relationship between XHTML/HTML and CSS
- ✓ CSS Tags and Structure
- ✓ CSS3
- ✓ CSS3
- ✓ Borders
- ✓ CSS3 Backgrounds
- ✓ CSS3 Text Effects
- ✓ CSS3 Fonts
- ✓ CSS3 2D Transforms
- ✓ CSS3 3D Transforms
- ✓ CSS3 Transitions

4.3 DASH APP

- ✓ Overview
- ✓ Installation
- ✓ Dash App
- ✓ Connecting to data base
- ✓ Dash Callbacks
- ✓ Data Visualization

- ✓ Dash Controls
- ✓ Dash Controls Code Breakdown
- ✓ Styling App with HTML and CSS
- ✓ DDK (Dash Design Kit)
- ✓ Dash Bootstrap
- ✓ Dash Machine Components
- ✓ Dash Core Components
- ✓ DropDown
- ✓ Slider
- ✓ RangeSlider
- ✓ Input
- ✓ TextArea
- ✓ CheckBox
- ✓ RadioItems
- ✓ Button
- ✓ Date Picker Simgle
- ✓ Date Picker Range
- ✓ Mark Down
- ✓ Tabs
- ✓ Graphs
- ✓ Confirm Dialog
- ✓ Store
- ✓ Locations
- ✓ Data Table