Interactive Visualization using Seaborn

Description:

This course will help learners to understand the fundamentals of data visualization with seaborn. In this course, You will learn how to generate line plots, scatterplots, histograms, distribution plots, pair plots, bar plots, count plots, and many more. Upon successful completion, you can create beautiful visualizations and extract insights out of them.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Online Instructor-led learning

Practical Implementation

Integrate academic knowledge with the tech

Real-time Project

Live Class Recording

Doubt Clearing

Assignment in all the Module

Quiz in every Module

Career Counselling

Completion Certificate

What we learn:

Introduction of Seaborn

Environment Setup

Importing Dataset and Libraries

Different Types of Plot in Seaborn

Statistical Estimation

Project

Requirements:

System with Internet Connection

Interest to learn

Dedication

Instructor:

>Introduction to the course:

>>Course Introduction

>>Who is this course for?

>>Course Overview & Course outcome

>>Applying Bar plot on air pollution dataset

>>What is a Count plot?

>>What can we understand from the Count plot?

>>Applying Count plot on air pollution dataset

>>What is a Box plot?

>>What can we understand from the Box plot?

>>Applying Box plot on air pollution dataset

>>What is a Violin plot?

>>What can we understand from the Violin plot?

>>Applying Violin plot on air pollution dataset

>>What is a Strip plot?

>>What can we understand from the Strip plot?

>>Applying Strip plot on air pollution dataset

>>What is a Swarm plot?

>>What can we understand from the Swarm plot?

>>Applying Swarm plot on air pollution dataset

>>What is a Factor plot?

>>What can we understand from the Factor plot?

>>Applying Factor plot on air pollution dataset

>>What is a Histogram?

>>What can we understand from the Histogram?

>>Applying Histogram on air pollution dataset

>>What is a KDE plot?

>>What can we understand from the KDE plot?

>>Applying KDE plot on air pollution dataset

>>What is a Heat map?

>>What can we understand from the Heat map?

>>Applying Heat map on air pollution dataset

>>What is a catplot?

>>What can we understand from the catplot?

>>Applying catplot on air pollution dataset

>Assignment 2:

>>Apply a scatter plot on your own dataset and write down your observations from them

>Assignment 3:

>>Apply Line plot on your own datasets and write down your observations from it.

>Assignment 4:

>>Apply Bar plot on your own dataset and write down your observations from it.

>Assignment 5:

>>Apply Count plot on your own dataset and write down your observations from it.

>Assignment 6:

>>Apply Box plot on your own dataset and write down your observations from it.

>Assignment 7:

>>Apply Violin plot on your own dataset and write down your observations from it.

>Assignment 8:

>>Apply Strip plot on your own dataset and write down your observations from it.

>Assignment 9:

>>Apply Swarm plot on your own dataset and write down your observations from it.

>Assignment 10:

>>Apply Factor plot on your own dataset and write down your observations from it

>Assignment 11:

>>Apply Histogram on your own dataset and write down your observations from it.

>Assignment 12:

>>Apply KDE plot on your own dataset and write down your observations from it.

>Assignment 13:

>>Apply a Heat map on your own dataset and write down your observations from it.

>Assignment 14:

>>Apply catplot on your own dataset and write down your observations from it.

>Course Summary:

>>Course outro

>>Future learning Path

>Project:

>>Using seaborn analyze geographical datasets