Data Analytics Lab

Choice Based Credit System

Semester:III	CIE Marks:40
Subject Code:20MCA36	SEE Marks:60
Contact Hours(L:T:P):0:0:4	Exam Hours:03

Course Outcomes:

1.Develop python program to perform search/sort on a given data set2.Demonstrate object oriented principles

3. Demonstrate data visualization using Numpy for a given problem

4. Demonstrate regression model for a given problem 5.Deign and develop an application for the given problem

1.Write a Python program to perform linear search
2.Write a Python program to insert an element into a sorted list
3.Write a python program using object oriented programming to demonstrate encapsulation, overloading and inheritance
4.Implement a python program to demonstrate 1) Importing Datasets 2) Cleaning the Data 3) Data frame manipulation using Numpy
5.Implement a python program to demonstrate the following using NumPy a) Array manipulation, Searching, Sorting and splitting. b) broadcasting and Plotting NumPy arrays
6. Implement a python program to demonstrate Data visualization with various Types of Graphs using Numpy
7.Write a Python program that creates a mxn integer arrayand Prints its attributes using matplotlib
8.Write a Python program to demonstrate the generation of linear regression models.
9.Write a Python program to demonstrate the generation of logistic regression models using Python.
10.Write a Python program to demonstrate Timeseries analysis with Pandas.
11.Write a Python program to demonstrate Data Visualization using Seaborn.

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