



MAIN FLOW SERVICES & TECHNOLOGIES

Data Science with Python Internship: Task 3



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Notes from task 3:

Data Visualization with python

Description:

This task involves using the matplotlib library to visualize data.

Responsibility:

Create a bar chart and a line chart using Matplotlib to visualize data from a Pandas DataFrame.

Customize the charts with labels, titles, and legends.

Task	Description	Code Syntax
Import Libraries	Importing necessary libraries for data manipulation and visualization.	import pandas as pd import numpy as np import matplotlib.pyplot as plt import seaborn as sns from datetime import datetime
Read Data	Reading data from a CSV file into a pandas DataFrame.	data = pd.read_csv('householdtask3.csv')
Scatter Plot	Creating a scatter plot with 'year' on the x-axis and 'own' on the y-axis.	plt.scatter(data['x'],data['y'])
Line Chart	Creating a line chart with 'year' and 'own' on the y-axis.	plt.plot(data['x']) plt.plot(data['y'])
Bar Chart	Creating a bar chart with 'year' on the x-axis and 'own' on the y-axis.	plt.bar(data['x'],data['y'])
Histogram	Creating a histogram for the 'income' column	plt.hist(data[' o'])