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pip install pandas matplotlib
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Requirement already satisfied: pandas in /usr/local/lib/python3.10/dist-pac
Requirement already satisfied: matplotlib in /usr/local/lib/python3.10/dist
Requirement already satisfied: numpy<2,>=1.22.4 in /usr/local/lib/python3.1
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/pyt
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Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-p
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import pandas as pd
import matplotlib.pyplot as plt

# Create a sample DataFrame
data = {
    'Category': ['A', 'B', 'C', 'D'],
    'Values': [10, 20, 15, 25],
    'Trend': [5, 15, 10, 20]
}

df = pd.DataFrame(data)

# Create a bar chart
plt.figure(figsize=(12, 6))

# Plotting the bar chart
plt.subplot(1, 2, 1)
plt.bar(df['Category'], df['Values'], color='pink', label='Values')
plt.xlabel('Category')
plt.ylabel('Values')
plt.title('Bar Chart of Categories and Values')
plt.legend()

# Create a line chart
plt.subplot(1, 2, 2)
plt.plot(df['Category'], df['Trend'], marker='o', linestyle='-', color='pink', l
plt.xlabel('Category')
plt.ylabel('Trend')
plt.title('Line Chart of Categories and Trend')
plt.legend()

# Display the plots
plt.tight_layout()
plt.show()
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