```
import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns


# Load your dataset

df = pd.read_excel(FDI data.xlsx')


# Display basic information about the dataset

print(df.info())


# Explore the first few rows of the dataset

print(df.head())


# Summary statistics for numerical columns

print(df.describe())


# Sector-wise investment analysis

sector_wise_investment = df.groupby('Sector')['Amount (in
crore)'].sum().sort_values(ascending=False)

print("Sector-wise Investment Analysis:\n", sector_wise_investment)


# Year-wise investment analysis

year_wise_investment = df.groupby('Financial Year')['Amount (in crore)'].sum()

print("Year-wise Investment Analysis:\n", year_wise_investment)


# Visualize sector-wise investment

plt.figure(figsize=(12, 6))

sns.barplot(x=sector_wise_investment.index, y=sector_wise_investment.values)

plt.title('Sector-wise FDI Investment')

plt.xlabel('Sector')
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plt.ylabel('Amount (in crore)')
plt.xticks(rotation=45, ha='right')
plt.show()

# Visualize year-wise investment
plt.figure(figsize=(12, 6))
sns.lineplot(x=year_wise_investment.index, y=year_wise_investment.values, marker='o')
plt.title('Year-wise FDI Investment')
plt.xlabel('Financial Year')
plt.ylabel('Amount (in crore)')
plt.xticks(rotation=45, ha='right')
plt.show()

# Correlation matrix to find relationships between attributes
correlation_matrix = df.corr()
plt.figure(figsize=(10, 8))
sns.heatmap(correlation_matrix, annot=True, cmap='coolwarm', fmt='.2f')
plt.title('Correlation Matrix')
plt.show()
```