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Subject: Big Data Analytics

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main.py x
1 import pandas as pd
2 import matplotlib.pyplot as plt
3
4 candidate_data = pd.read_csv("pk_candidate_data.csv")
5 constituency_data = pd.read_csv("pk_constituency_data.csv")
6
7 print("Candidate Data:")
8 print(candidate_data.head())
9 print("\nConstituency Data:")
10 print(constituency_data.head())
11
12 party_performance = candidate_data.groupby(['Year', 'Party']).size().unstack().fillna(0)
13
14 party_performance.plot(kind='bar', stacked=True, figsize=(12, 8))
15 plt.title("Party Performance in Pakistan's National Assembly Elections (2002-2013)")
16 plt.xlabel("Year")
17 plt.ylabel("Number of Seats")
18 plt.legend(title="Party", bbox_to_anchor=(1.05, 1), loc='upper left')
19 plt.tight_layout()
20 plt.show()
21
22
```

Activate Windows