

example.py

```
1 import matplotlib.pyplot as plt
2 import pandas as pd
3
4 # Load data from CSV file
5 def load_data_from_csv(filename):
6     try:
7         df = pd.read_csv(filename)
8         return df
9     except FileNotFoundError:
10        print(f"File {filename} not found.")
11        return None
12    except Exception as e:
13        print(f"An error occurred while loading data: {e}")
14        return None
15
16 # Plot data
17 def plot_data(dataframe):
18     if dataframe is not None:
19         x = dataframe.iloc[:, 0] # Assuming first column is x-axis data
20         y = dataframe.iloc[:, 1] # Assuming second column is y-axis data
21
22         plt.plot(x, y)
23         plt.xlabel('X Label')
24         plt.ylabel('Y Label')
25         plt.title('Data Plot')
26         plt.grid(True)
27         plt.show()
28
29 # Main function
30 def main():
31     csv_filename = 'example.csv'
32     data = load_data_from_csv(csv_filename)
33
34     # Grouping the data by 'Sched_Policy' and 'Transform', then calculate standard
35     # deviation
36     grouped_std_dev = data.groupby(['Sched_Policy', 'Transform', 'Resolution'])['
37     Execution_time'].std().reset_index()
38     print(grouped_std_dev);
39
40     grouped_std_dev
41
42     # if data is not None:
43     #     plot_data(data)
44
45 if __name__ == "__main__":
46     main()
```