MACHINE LEARNING IN FINANCE
WEEK 3 LAB LOG BOOK

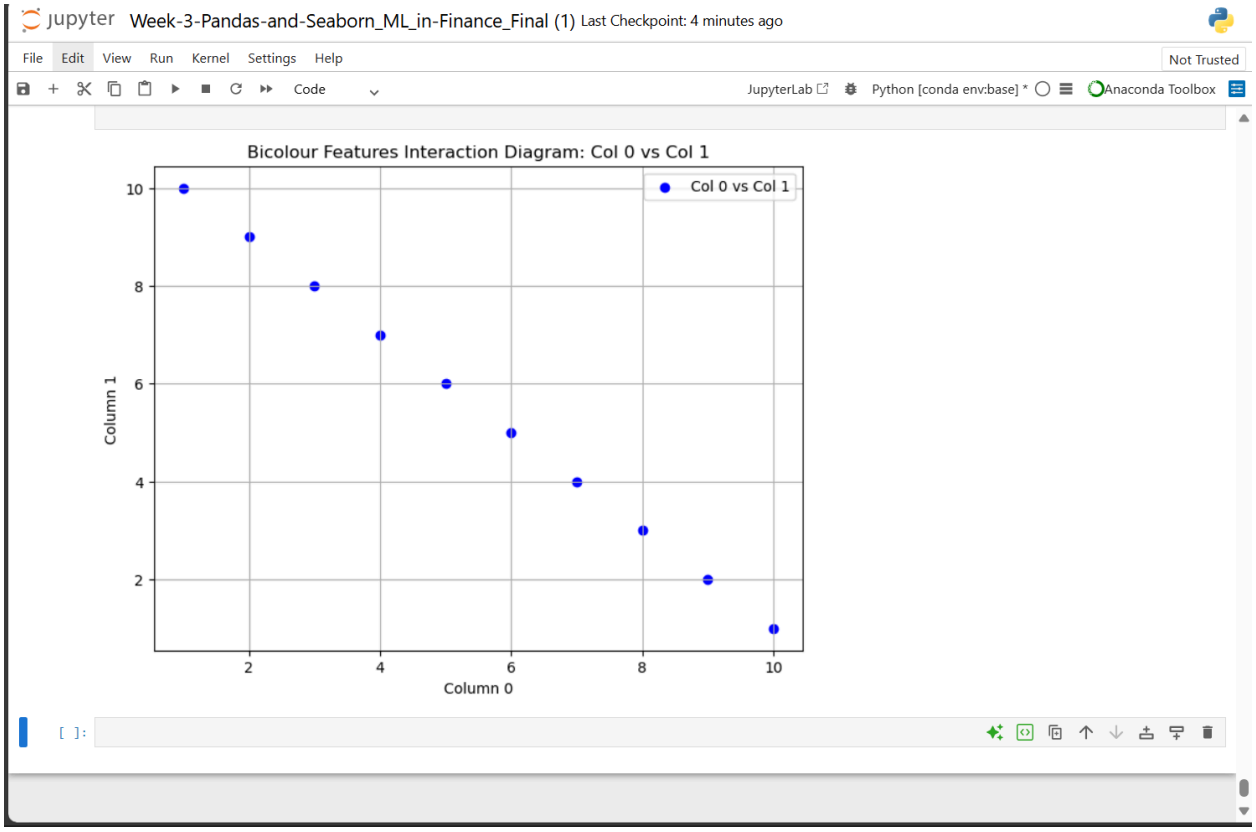
CODE:

```
import pandas as pd
import matplotlib.pyplot as plt

# Example DataFrame with columns 0-9
# Replace this with your actual dataset
data = pd.DataFrame({
    0: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10],
    1: [10, 9, 8, 7, 6, 5, 4, 3, 2, 1],
    2: [5, 4, 3, 2, 1, 0, -1, -2, -3, -4],
    3: [2, 3, 2, 3, 2, 3, 2, 3, 2, 3],
    4: [1, 3, 5, 7, 9, 11, 13, 15, 17, 19],
    5: [2, 4, 6, 8, 10, 12, 14, 16, 18, 20],
    6: [3, 6, 9, 12, 15, 18, 21, 24, 27, 30],
    7: [1, 4, 7, 10, 13, 16, 19, 22, 25, 28],
    8: [0, 1, 0, 1, 0, 1, 0, 1, 0, 1],
    9: [5, 3, 1, -1, -3, -5, -7, -9, -11, -13]
})

# Select the two columns from your SID
col1, col2 = 0, 1

plt.figure(figsize=(8,6))
plt.scatter(data[col1], data[col2], c='blue', label=f'Col {col1} vs Col {col2}')
plt.xlabel(f'Column {col1}')
plt.ylabel(f'Column {col2}')
plt.title(f'Bicolour Features Interaction Diagram: Col {col1} vs Col {col2}')
plt.legend()
plt.grid(True)
plt.show()
```


jupyter
Week-3-Pandas-and-Seaborn_ML_in-Finance_Final (1) Last Checkpoint: 4 minutes ago
File Edit View Run Kernel Settings Help
Not Trusted
Code
JupyterLab
Python [conda env:base] *
Anaconda Toolbox
Bicolour Features Interaction Diagram: Col 0 vs Col 1
Col 0 vs Col 1
Column 1
Column 0
10
8
6
4
2
2
4
6
8
10
[ ]: