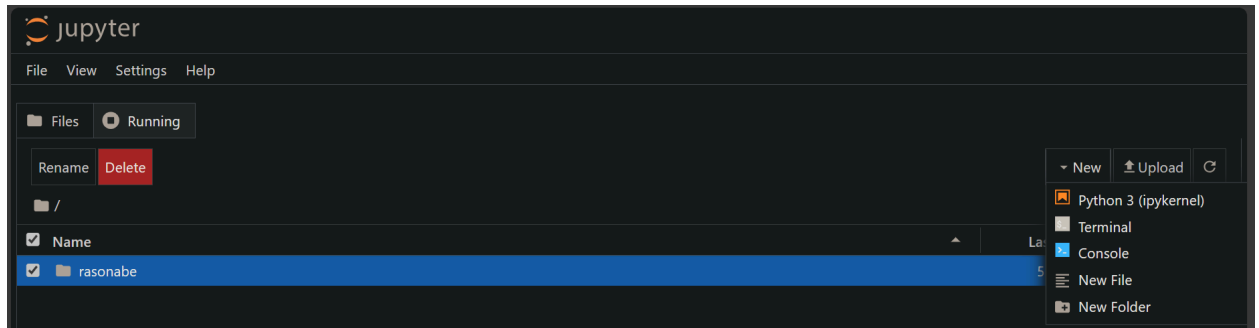


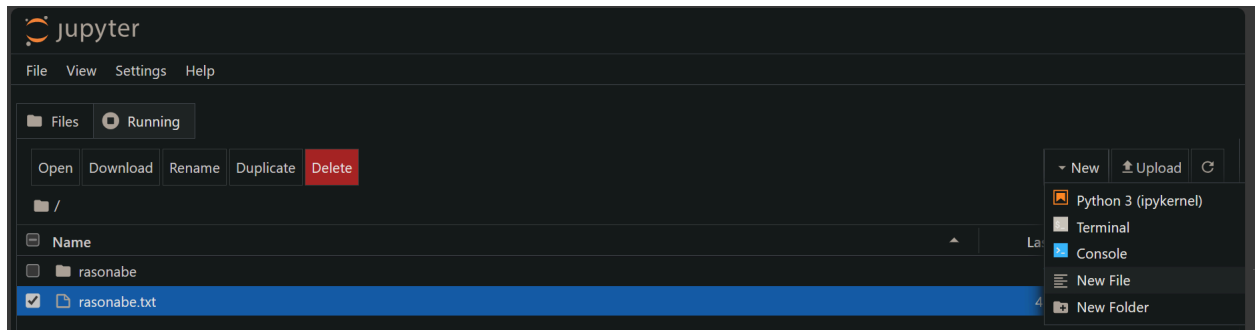
RASONABE, CHIARA MAE P.
BSCS3C

JUPYTER NOTEBOOK ACTIVITY

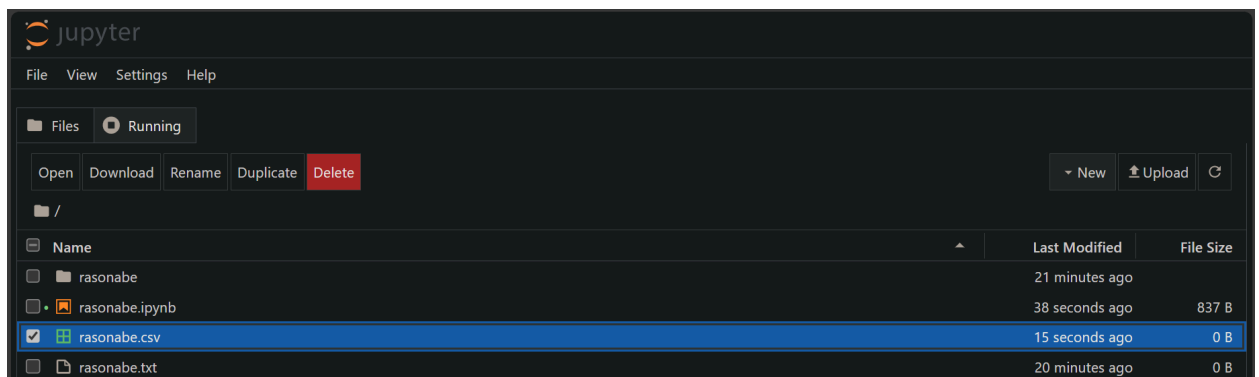
1. Adding Folder



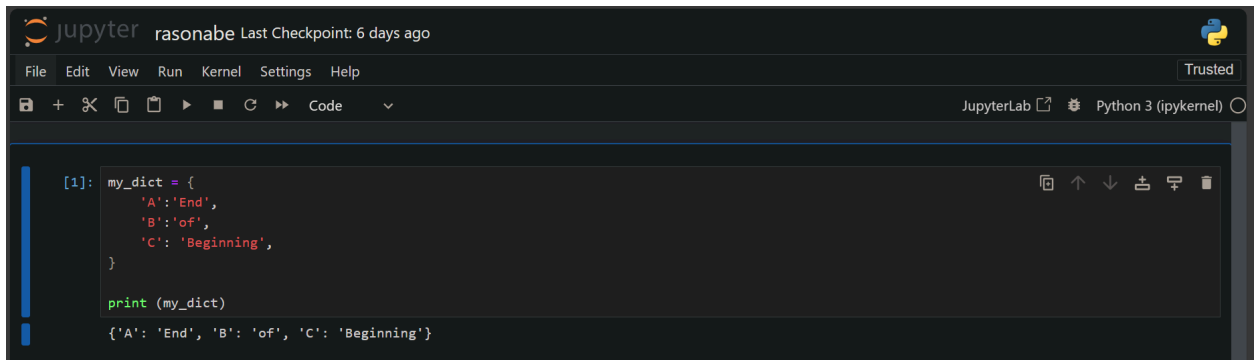
2. Adding Text file



3. CSV file for data analysis and visualization



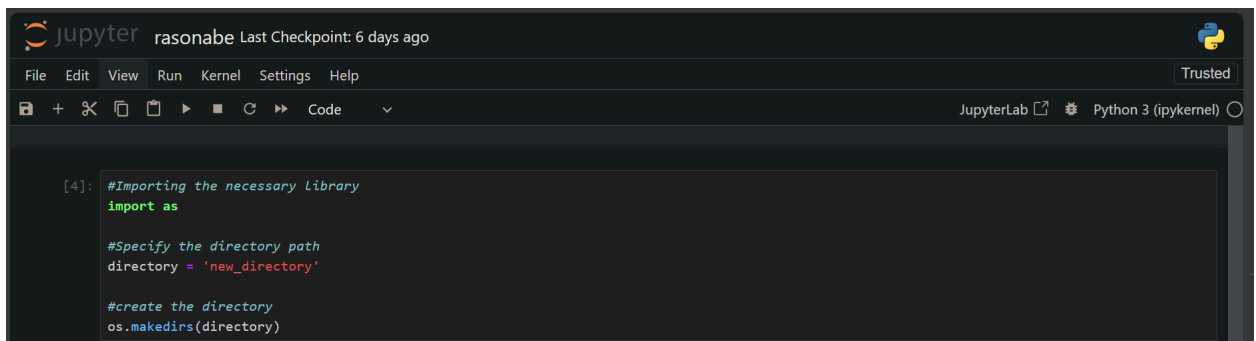
4. To write and call dictionary methods.



The image shows a JupyterLab interface with a dark theme. The top bar includes the Jupyter logo, the name 'rasonabe', and 'Last Checkpoint: 6 days ago'. Below this is a menu bar with 'File', 'Edit', 'View', 'Run', 'Kernel', 'Settings', and 'Help'. On the right of the menu bar is a 'Trusted' status indicator. Below the menu bar is a toolbar with icons for file operations and a 'Code' dropdown menu. The main area contains a code cell with the following Python code:

```
[1]: my_dict = {  
      'A': 'End',  
      'B': 'of',  
      'C': 'Beginning',  
    }  
  
    print (my_dict)  
  
    {'A': 'End', 'B': 'of', 'C': 'Beginning'}
```

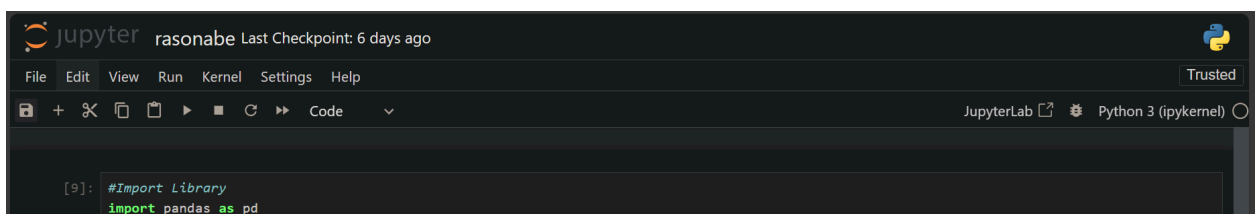
5. To create a directory using jupyter notebook



The image shows a JupyterLab interface with a dark theme. The top bar includes the Jupyter logo, the name 'rasonabe', and 'Last Checkpoint: 6 days ago'. Below this is a menu bar with 'File', 'Edit', 'View', 'Run', 'Kernel', 'Settings', and 'Help'. On the right of the menu bar is a 'Trusted' status indicator. Below the menu bar is a toolbar with icons for file operations and a 'Code' dropdown menu. The main area contains a code cell with the following Python code:

```
[4]: #Importing the necessary Library  
import os  
  
#Specify the directory path  
directory = 'new_directory'  
  
#create the directory  
os.makedirs(directory)
```

6. To import libraries



The image shows a JupyterLab interface with a dark theme. The top bar includes the Jupyter logo, the name 'rasonabe', and 'Last Checkpoint: 6 days ago'. Below this is a menu bar with 'File', 'Edit', 'View', 'Run', 'Kernel', 'Settings', and 'Help'. On the right of the menu bar is a 'Trusted' status indicator. Below the menu bar is a toolbar with icons for file operations and a 'Code' dropdown menu. The main area contains a code cell with the following Python code:

```
[9]: #Import Library  
import pandas as pd
```

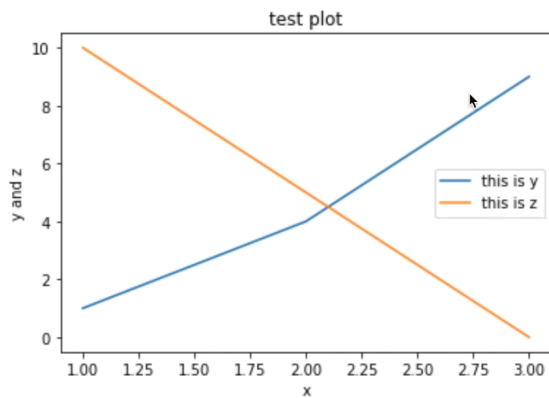
7. To use CSV file for data

```
In [1]: import pandas as pd
```

```
In [2]: from matplotlib import pyplot as plt
```

```
In [5]: x = [1, 2, 3]
y = [1, 4, 9]
z = [10, 5, 0]
plt.plot(x, y)
plt.plot(x, z)
plt.title("test plot")
plt.xlabel("x")
plt.ylabel("y and z")
plt.legend(["this is y", "this is z"])
plt.show()
```

8. Analysis and visualization

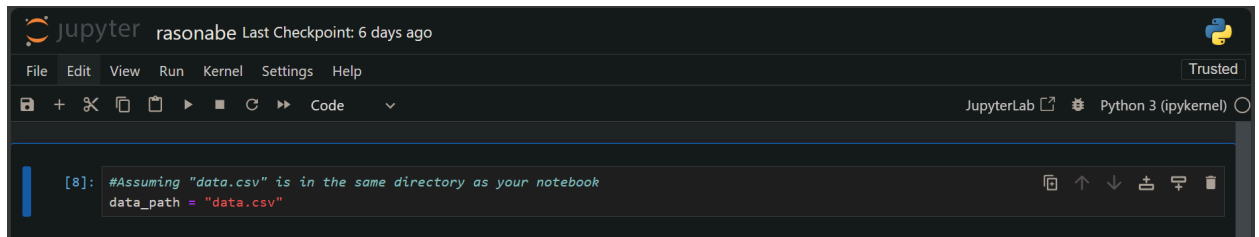


9. Import libraries

```
jupyter rasonabe Last Checkpoint: 6 days ago
File Edit View Run Kernel Settings Help
+ ✂ 📄 📄 ▶ ⏮ ⏭ Code
JupyterLab Python 3 (ipykernel)

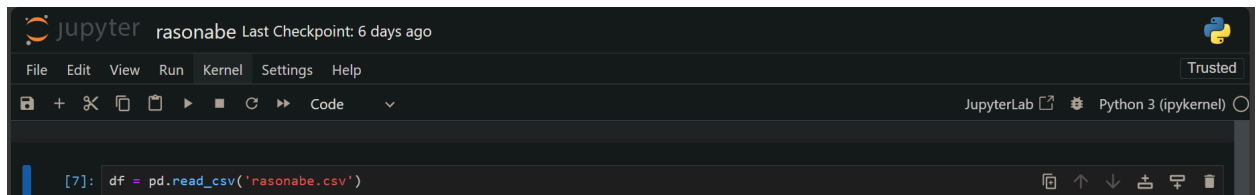
[6]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

10. Finding data



```
[8]: #Assuming "data.csv" is in the same directory as your notebook
    data_path = "data.csv"
```

11. Importing data



```
[7]: df = pd.read_csv('rasonabe.csv')
```

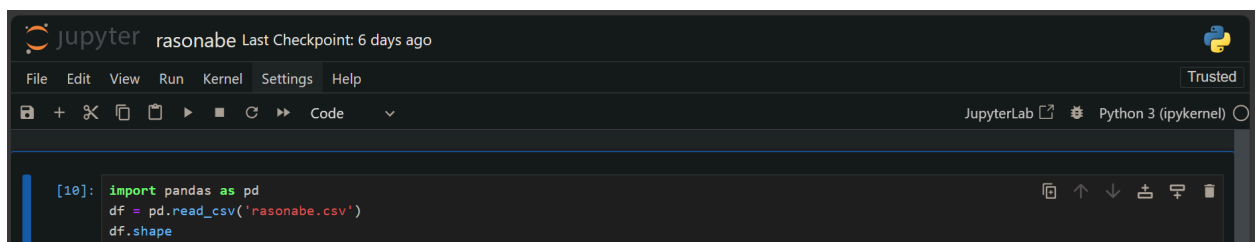
In [7]: `sample_data = pd.read_csv('sample_data.csv')`

In [8]: `sample_data`

Out[8]:

	column_a	column_b	column_c
0	1	1	10
1	2	4	8
2	3	9	6
3	4	16	4
4	5	25	2

12. Data attributes



```
[10]: import pandas as pd
      df = pd.read_csv('rasonabe.csv')
      df.shape
```