

PIE PLOT

Name: Lojain Idris

Data: April 22, 2025

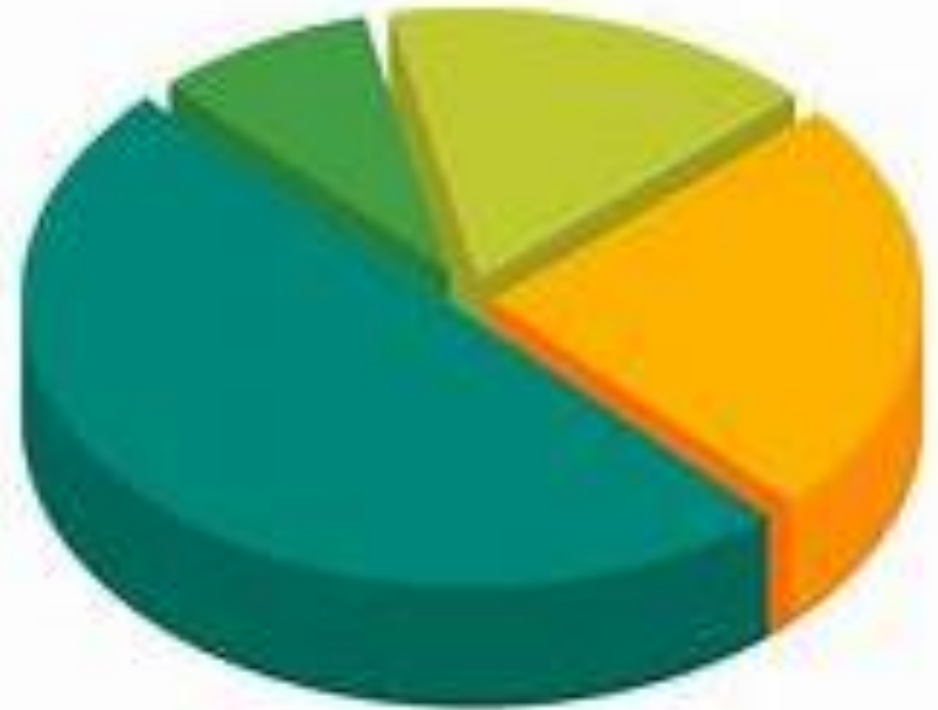
OBJECTIVE

- Learn what pie plot is .
- Understand where and why to use it.
- Learn how to create a pie plot using Python.
- Visualize simple data with Matplotlib.

INTRODUCTION TO PIE PLOT

Pie plot is same pie chart which is type of graph representing data in circular form, each slice represents a proportion of the total.

Pie Chart



WHERE & WHY TO USE IT

CASES

Survey results

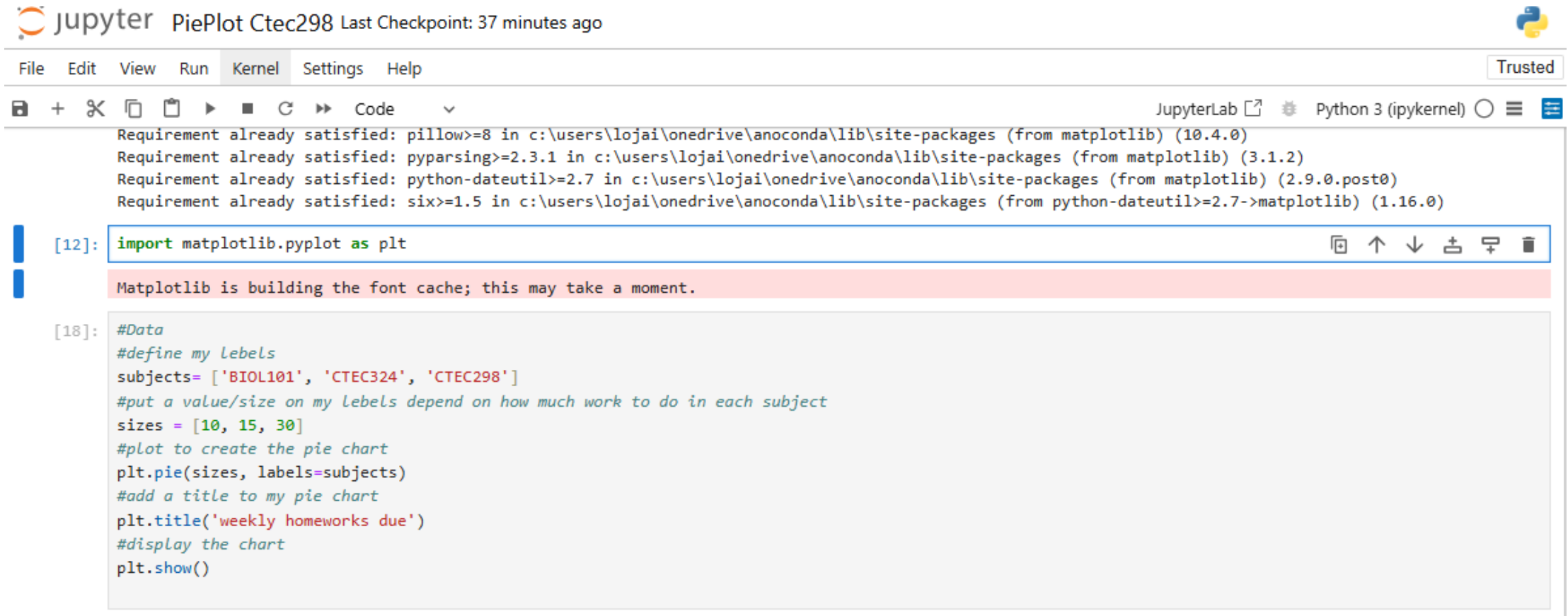
Population distribution

Budget distribution

BEST

- Best for showing parts of a whole.
- Great to show how different categories contribute to a total.
- Best for small number of categories.

PYTHON CODE FOR PIE PLOT



The image shows a JupyterLab interface with a file explorer on the left, a top menu bar (File, Edit, View, Run, Kernel, Settings, Help), and a toolbar. The main area displays a code editor with the following content:

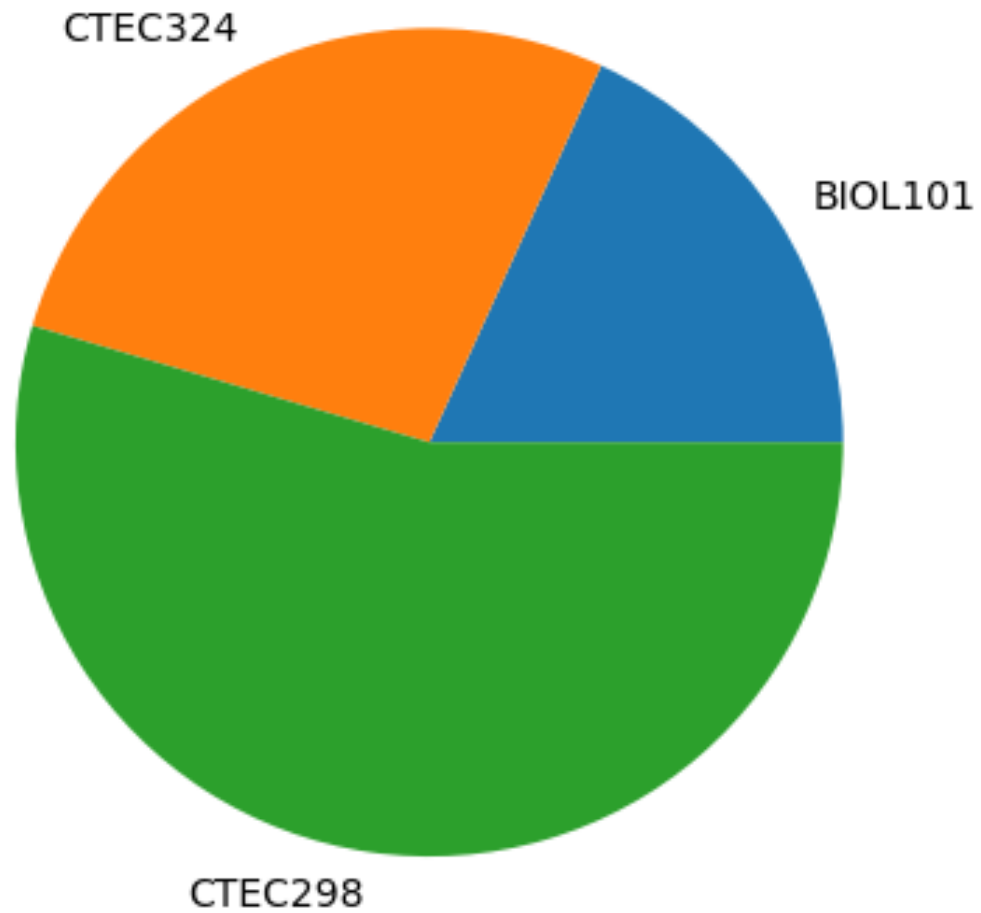
```
Requirement already satisfied: pillow>=8 in c:\users\lojai\onedrive\anaconda\lib\site-packages (from matplotlib) (10.4.0)
Requirement already satisfied: pyparsing>=2.3.1 in c:\users\lojai\onedrive\anaconda\lib\site-packages (from matplotlib) (3.1.2)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\lojai\onedrive\anaconda\lib\site-packages (from matplotlib) (2.9.0.post0)
Requirement already satisfied: six>=1.5 in c:\users\lojai\onedrive\anaconda\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

[12]: import matplotlib.pyplot as plt

Matplotlib is building the font cache; this may take a moment.

[18]: #Data
      #define my labels
      subjects= ['BIOL101', 'CTEC324', 'CTEC298']
      #put a value/size on my labels depend on how much work to do in each subject
      sizes = [10, 15, 30]
      #plot to create the pie chart
      plt.pie(sizes, labels=subjects)
      #add a title to my pie chart
      plt.title('weekly homeworks due')
      #display the chart
      plt.show()
```

The interface also shows a 'Trusted' status in the top right corner and a 'Python 3 (ipykernel)' label in the bottom right corner of the toolbar area.



WEEKLY
HOMEWORK DUE
PIE CHART

CONCLUSION

- Pie chart are great to shows data as whole
- Easy to customize with labels, colors, and effects.
- Great for simple datasets with few categories.

LOJAIN IDRIS

thank♥you