

```
1 # === py_pie.ipynb Students ===
2
3 %matplotlib notebook
4 #%%
5 get_ipython().run_line_magic('matplotlib', 'notebook')
6
7
8 #%%
9 import matplotlib.pyplot as plt
10 import numpy as np
11
12
13 #%%
14 pies = ["Apple", "Pumpkin", "Chocolate Creme", "Cherry", "Apple Crumb", "Pecan",
15         "Lemon Meringue", "Blueberry", "Key Lime", "Peach"]
16 pie_votes = [47,37,32,27,25,24,24,21,18,16]
17
18 colors = ["yellow","green","lightblue","orange","red","purple","pink","yellowgreen",
19           "lightskyblue","lightcoral"]
20 explode = (0.1,0,0,0,0,0,0,0,0,0)
21
22
23 #%%
24 # Tell matplotlib to create a pie chart based upon the above data
25 plt.pie(pie_votes, explode=explode, labels=pies, colors=colors,
26         autopct="%1.1f%%", shadow=True, startangle=140)
27 # Create axes which are equal so we have a perfect circle
28 plt.axis("equal")
29 # Save an image of our chart and print the final product to the screen
30 plt.savefig("../Images/PyPies.png")
31 plt.show()
32
33
34 #%%
35
36
```