

```
1 import pandas as pd
2 import numpy as np
3 import matplotlib.pyplot as plt
4 import seaborn as sns
5
6 def pie_chart(data, title = "Non-Title"):
7     labels = []
8     fracs = []
9     for label, frac in data.items():
10         labels.append(label)
11         fracs.append(frac)
12     fig, axs = plt.subplots(1, 1)
13
14     # Shift the second slice using explode
15     axs.pie(fracs, labels=labels, autopct='%.2f%%', shadow=True,
16            explode=(0.05,) * len(labels))
17     plt.title(title, fontsize=16, weight = 'bold');
18
19     plt.show()
20
21 def bar_chart(data, xlable, ylabel, title):
22     labels = []
23     fracs = []
24     for label, frac in data.items():
25         labels.append(label)
26         fracs.append(frac)
27
28     x_pos = [i for i, _ in enumerate(labels)]
29     plt.bar(x_pos, fracs, color='red')
```