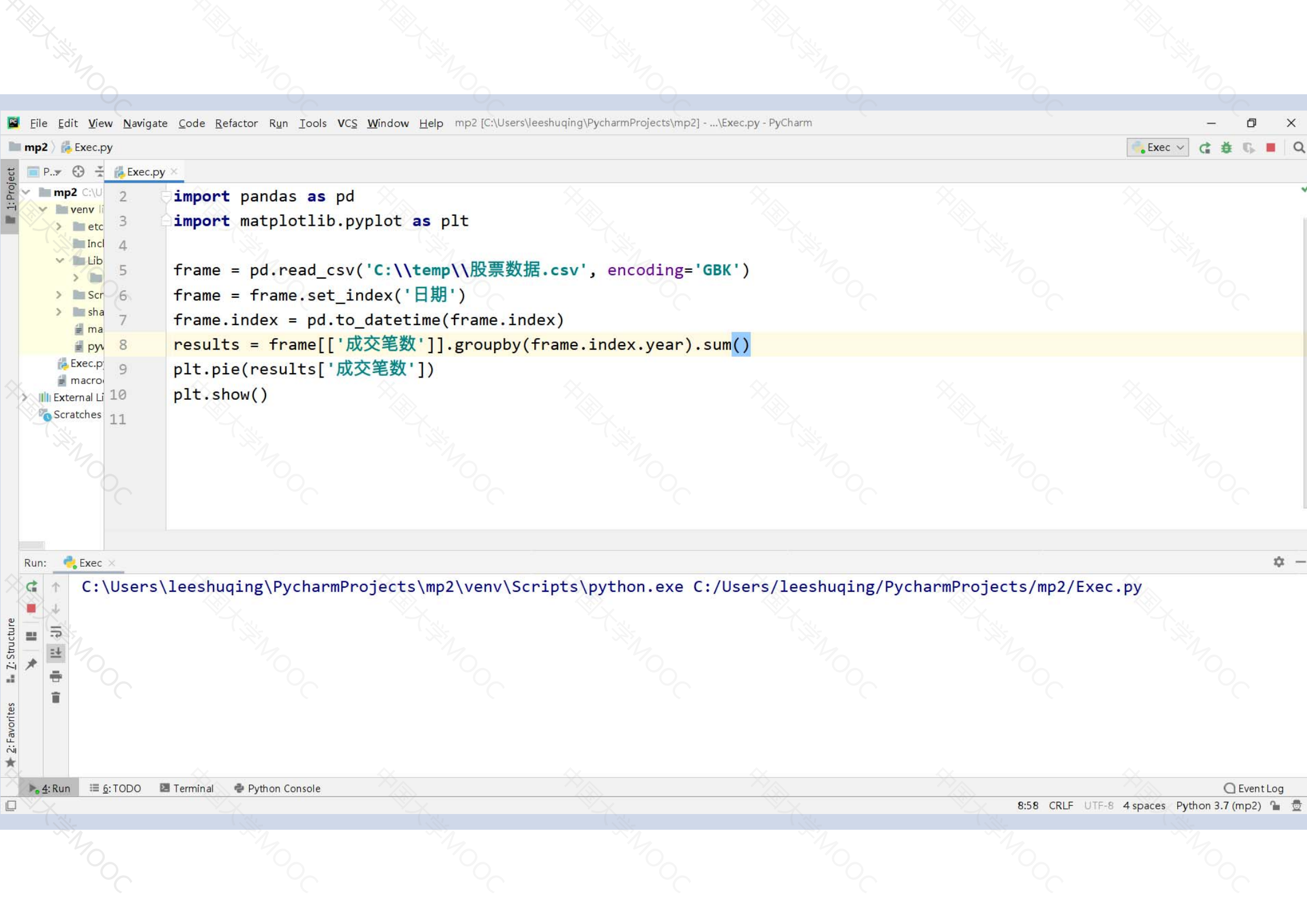


# Python大数据分析

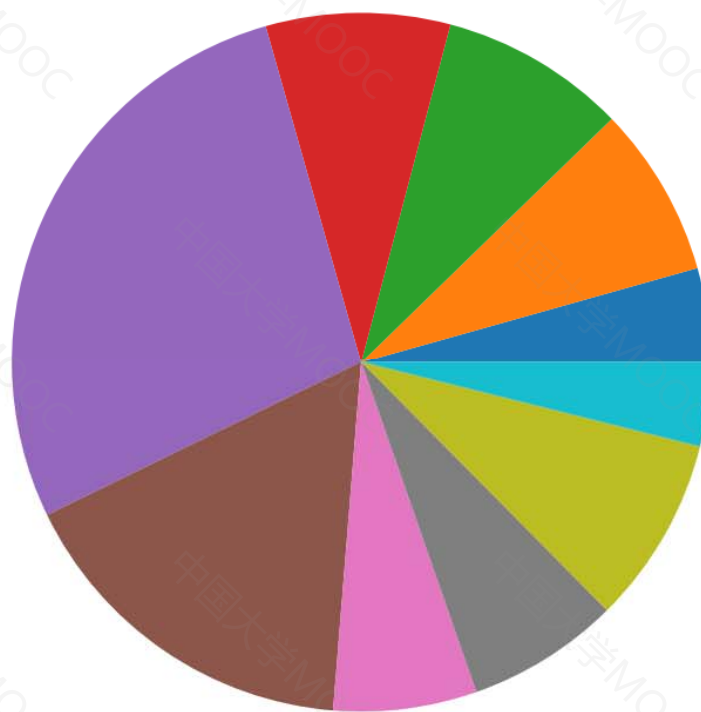
## 四、饼状图绘制



```
1
2 import pandas as pd
3 import matplotlib.pyplot as plt
4
5 frame = pd.read_csv('C:\\temp\\股票数据.csv', encoding='GBK')
6 frame = frame.set_index('日期')
7 frame.index = pd.to_datetime(frame.index)
8 results = frame[['成交笔数']].groupby(frame.index.year).sum()
9 plt.pie(results['成交笔数'])
10 plt.show()
11
```

C:\Users\leeshuqing\PycharmProjects\mp2\venv\Scripts\python.exe C:/Users/leeshuqing/PycharmProjects/mp2/Exec.py

Figure 1



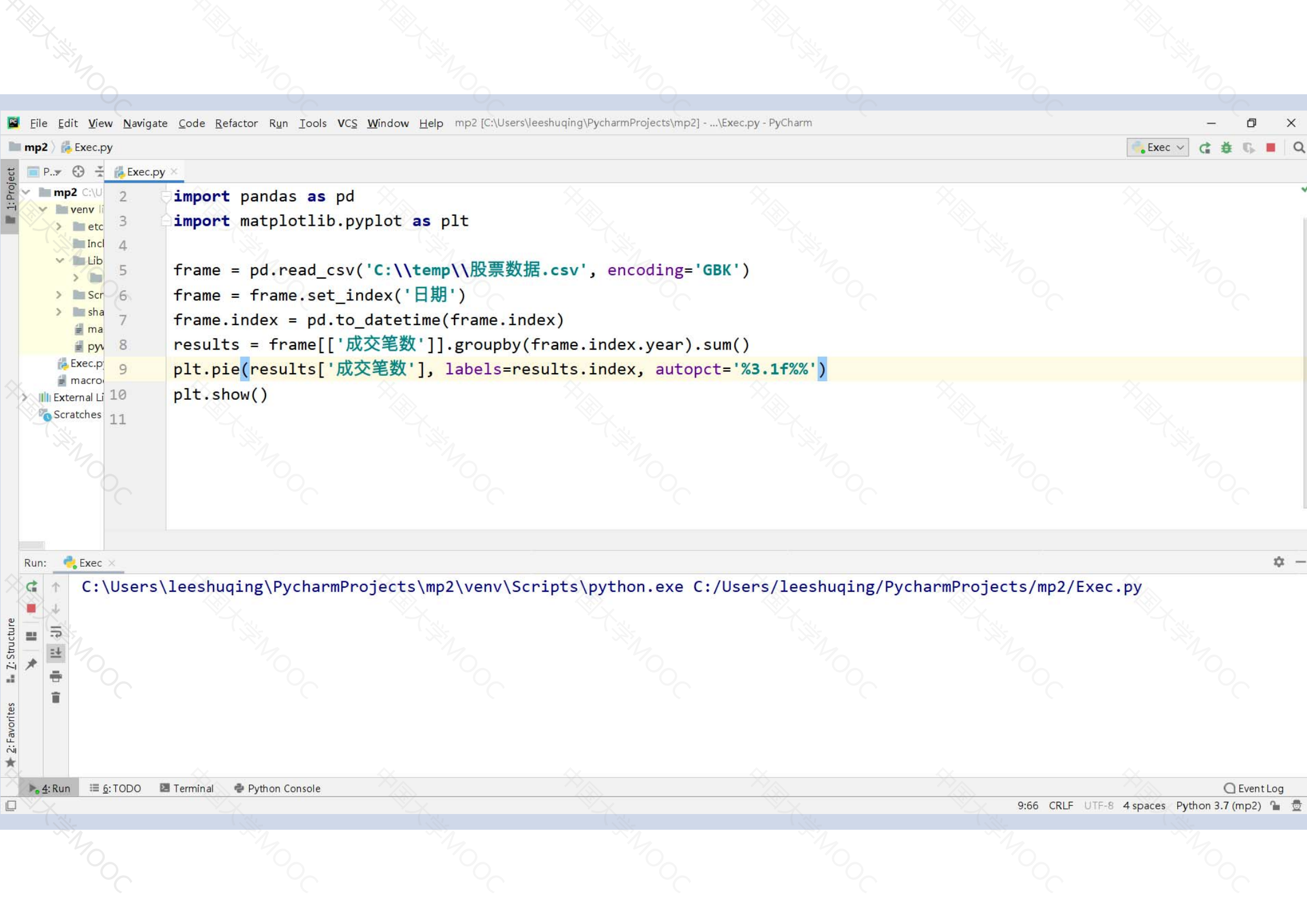
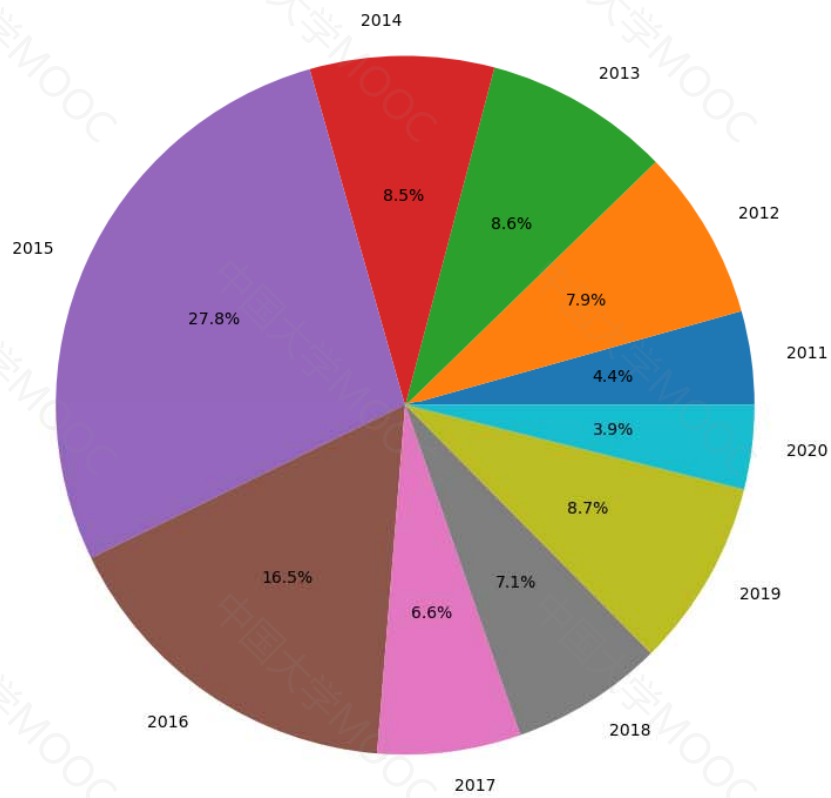


Figure 1



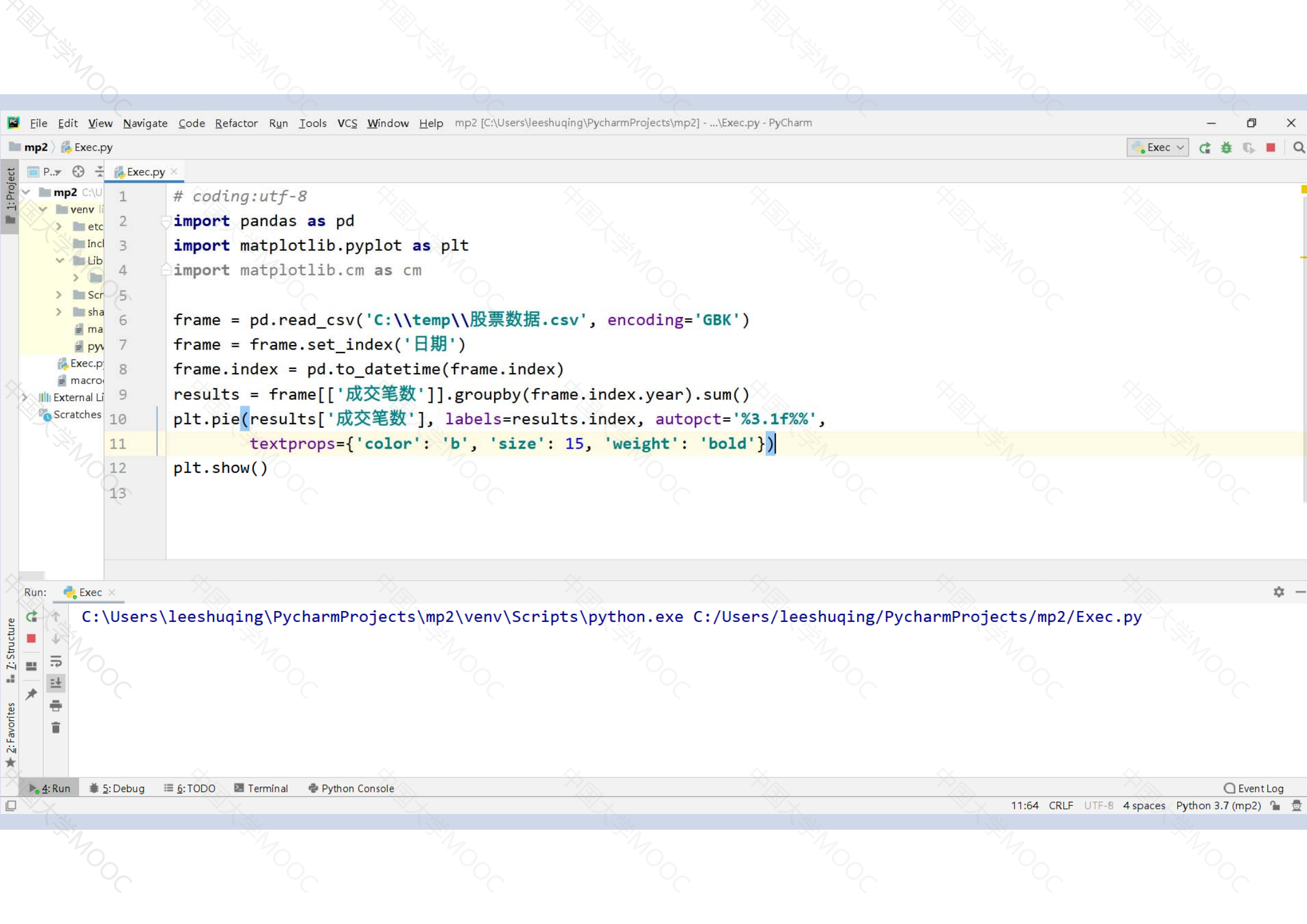
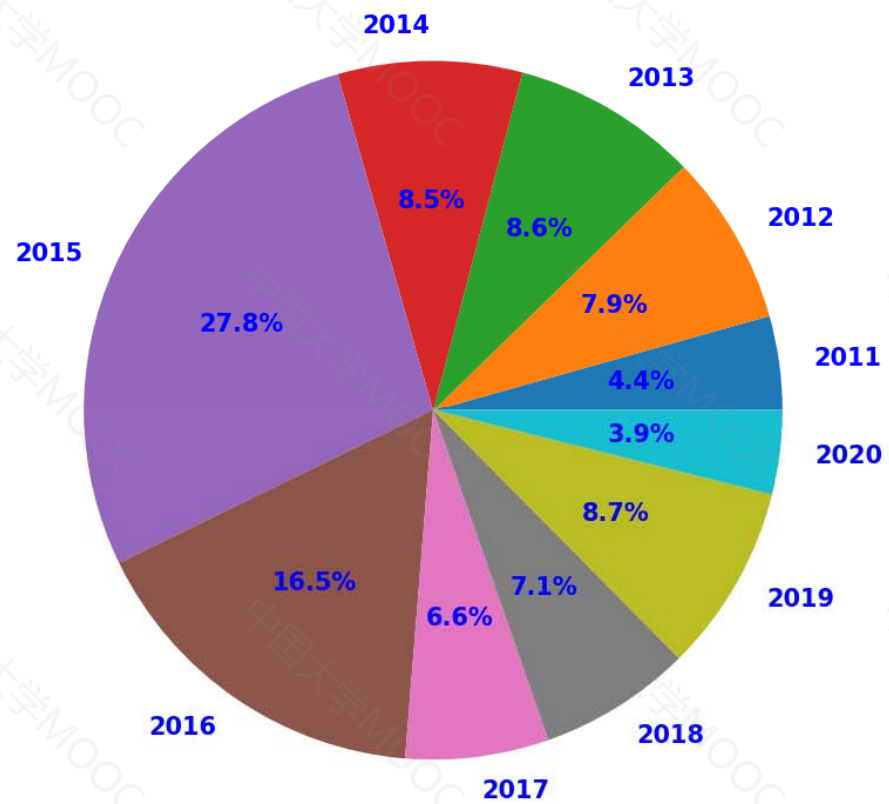


Figure 1





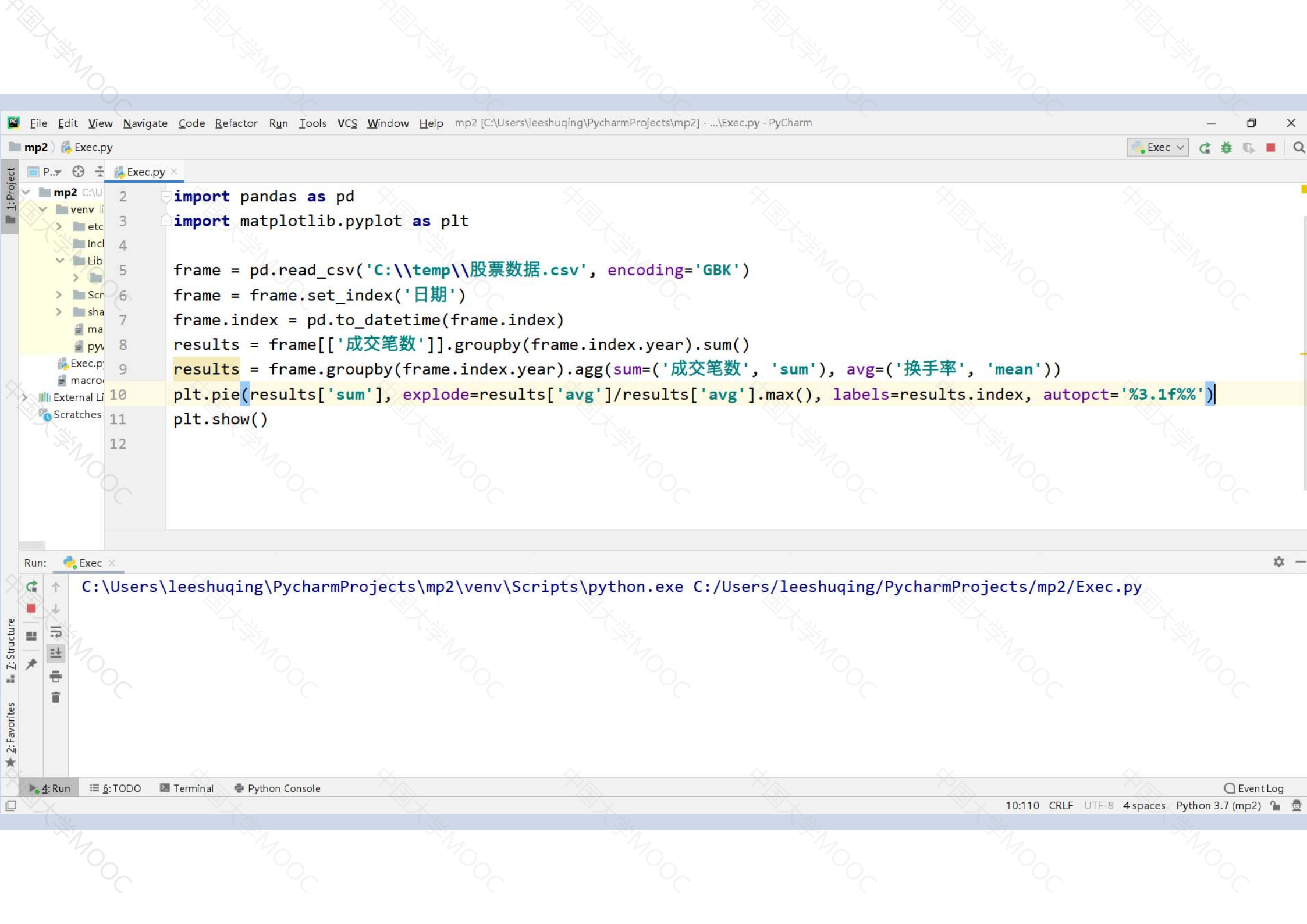
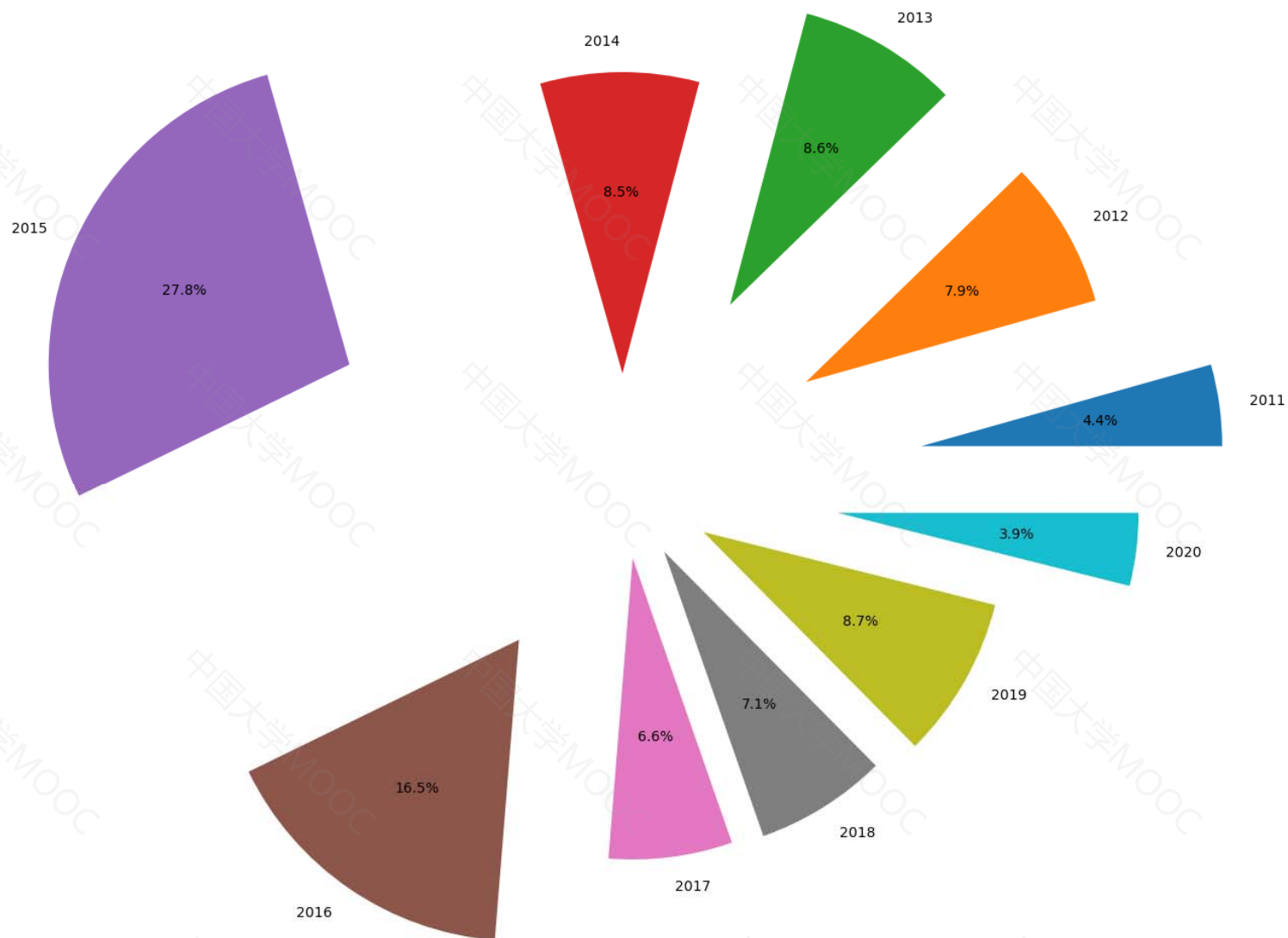




Figure 1



x=0.483488 y=0.528261

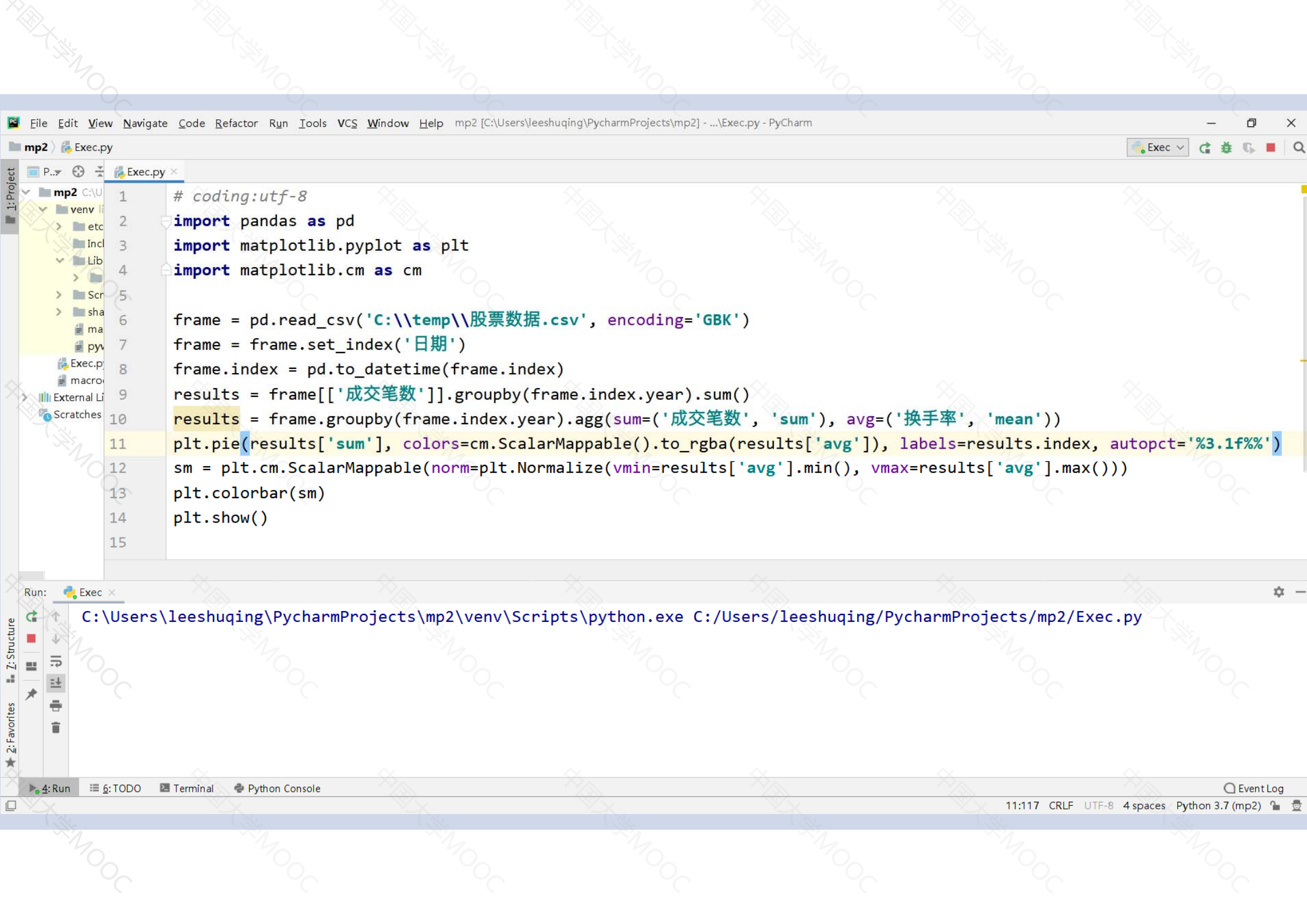
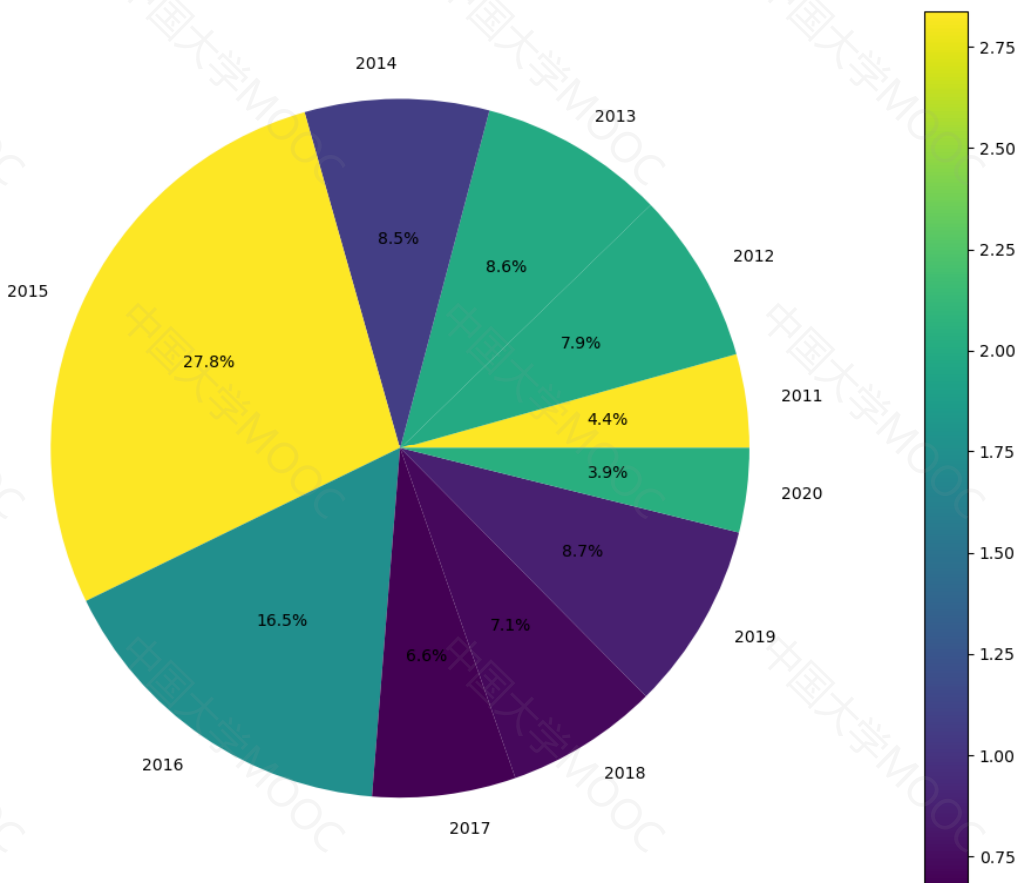


Figure 1



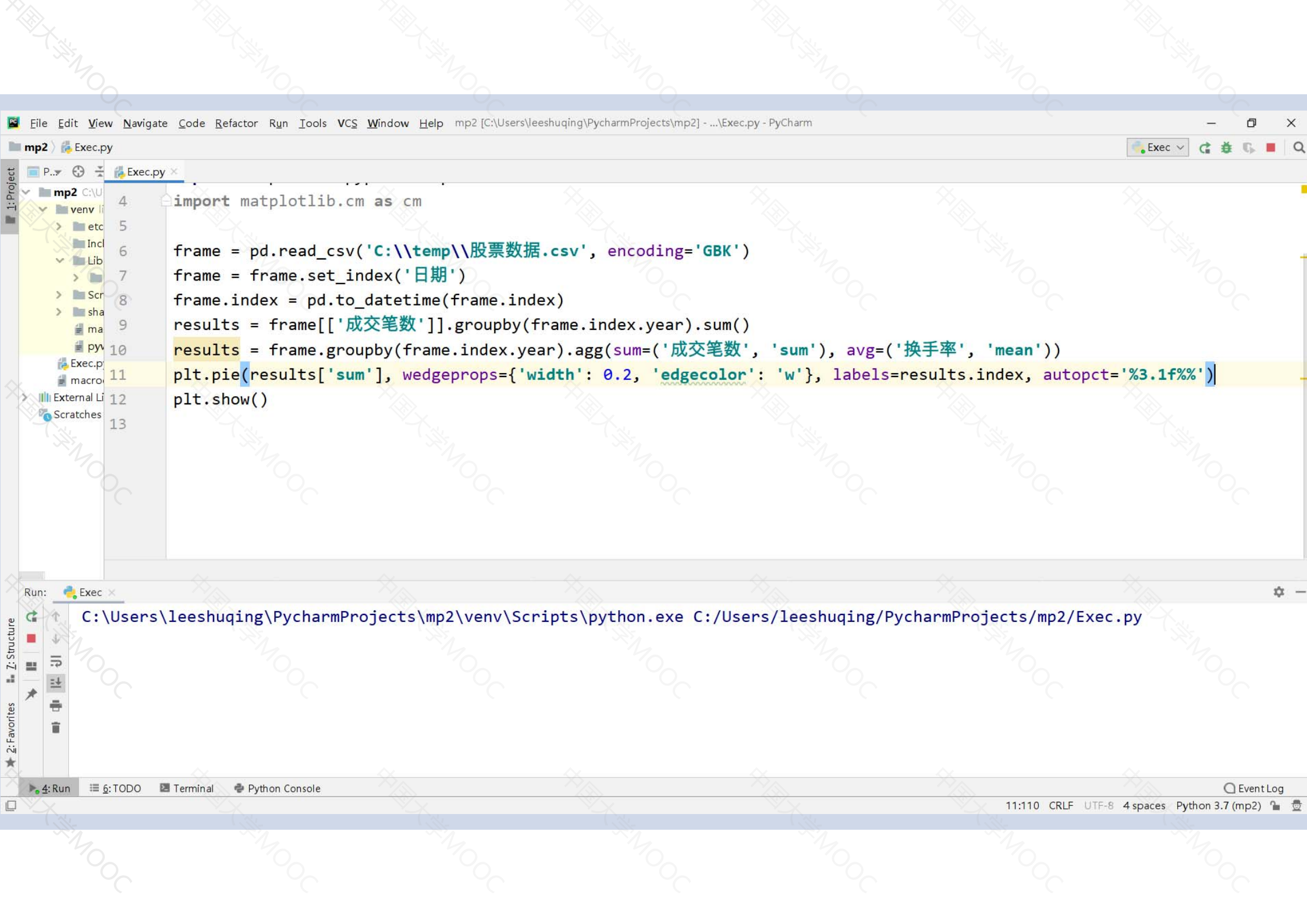
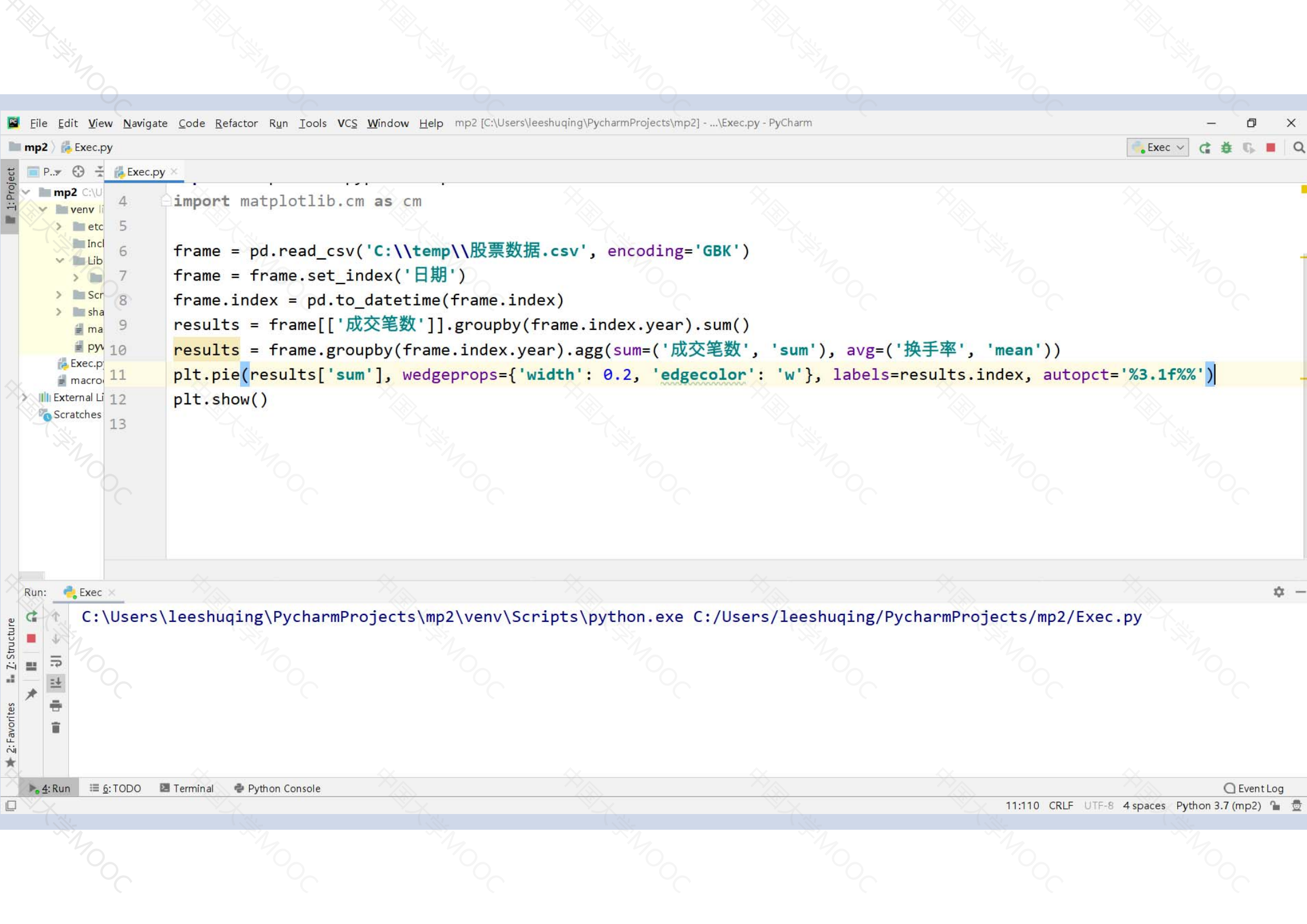
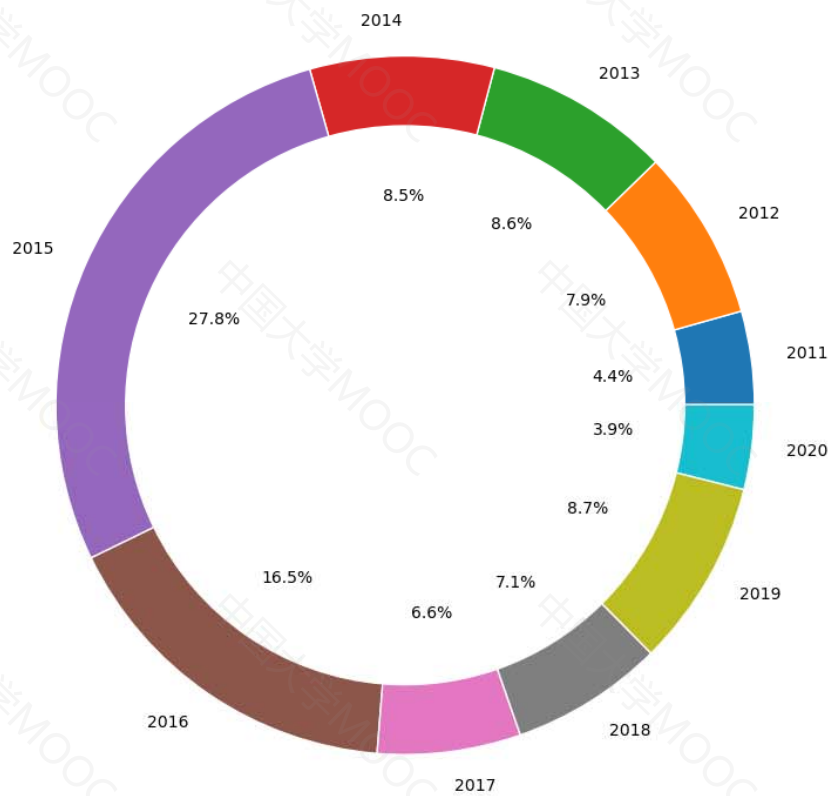


Figure 1



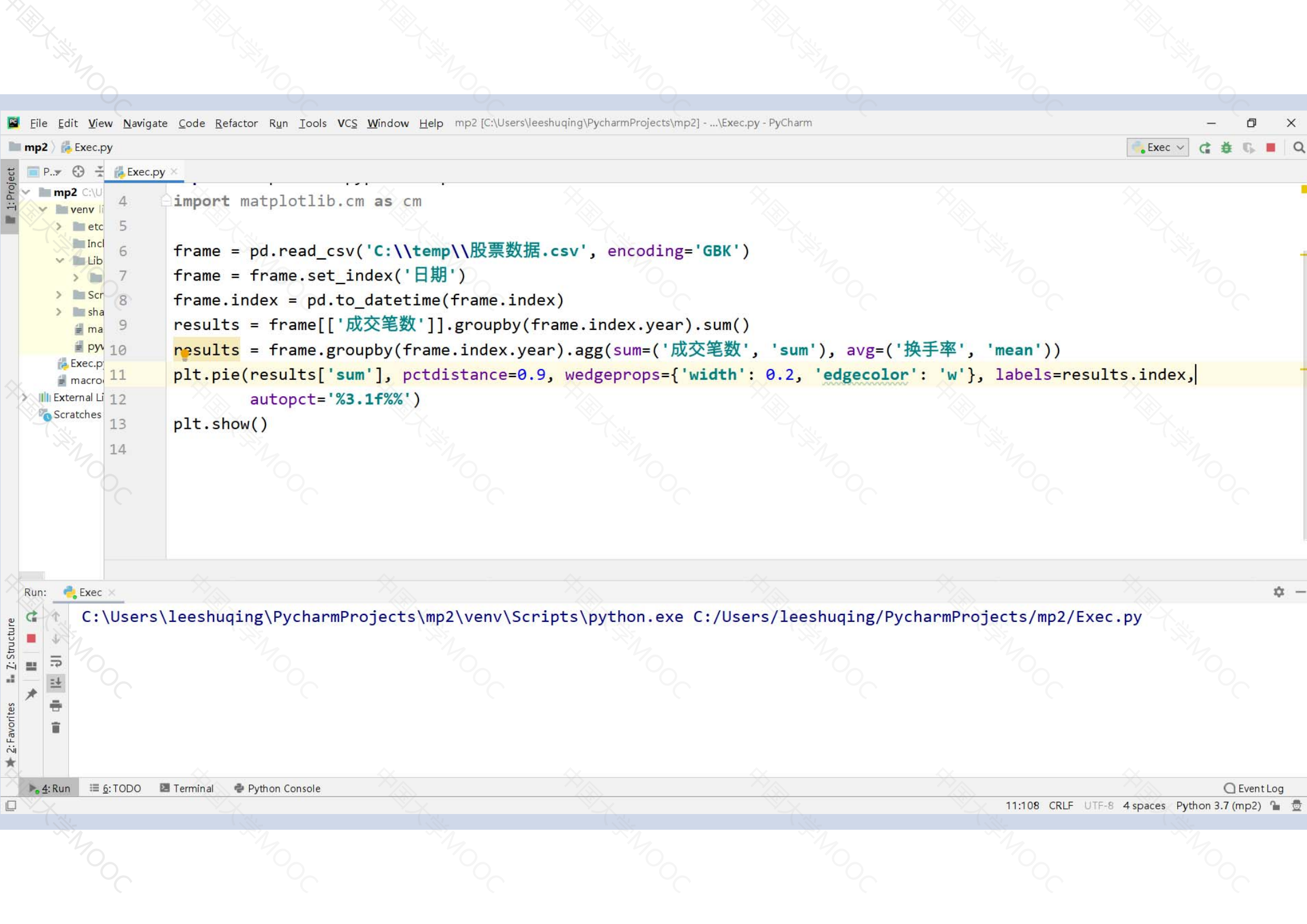
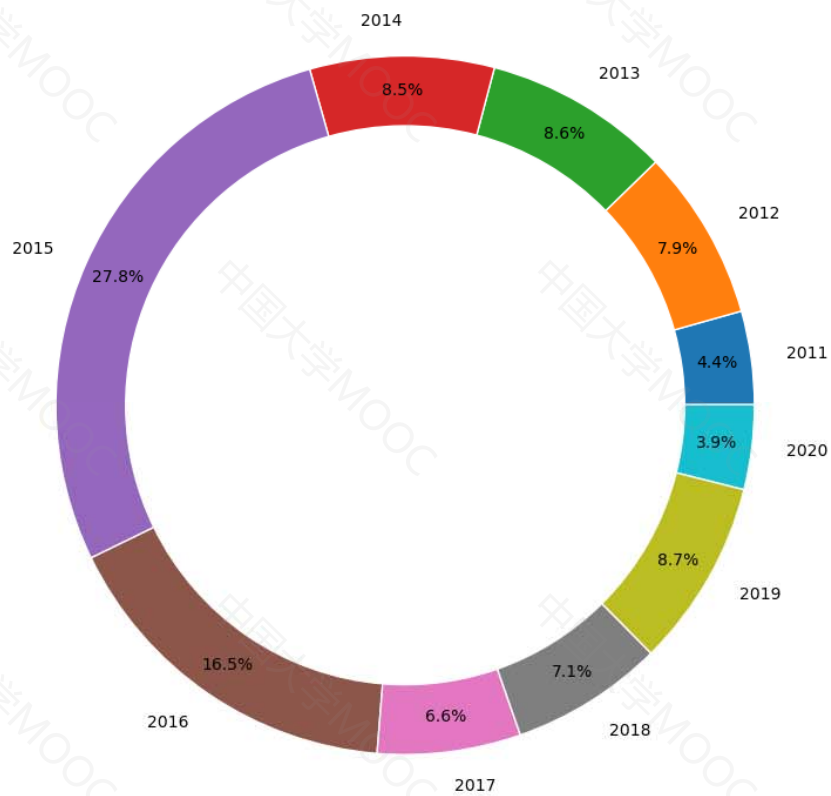




Figure 1



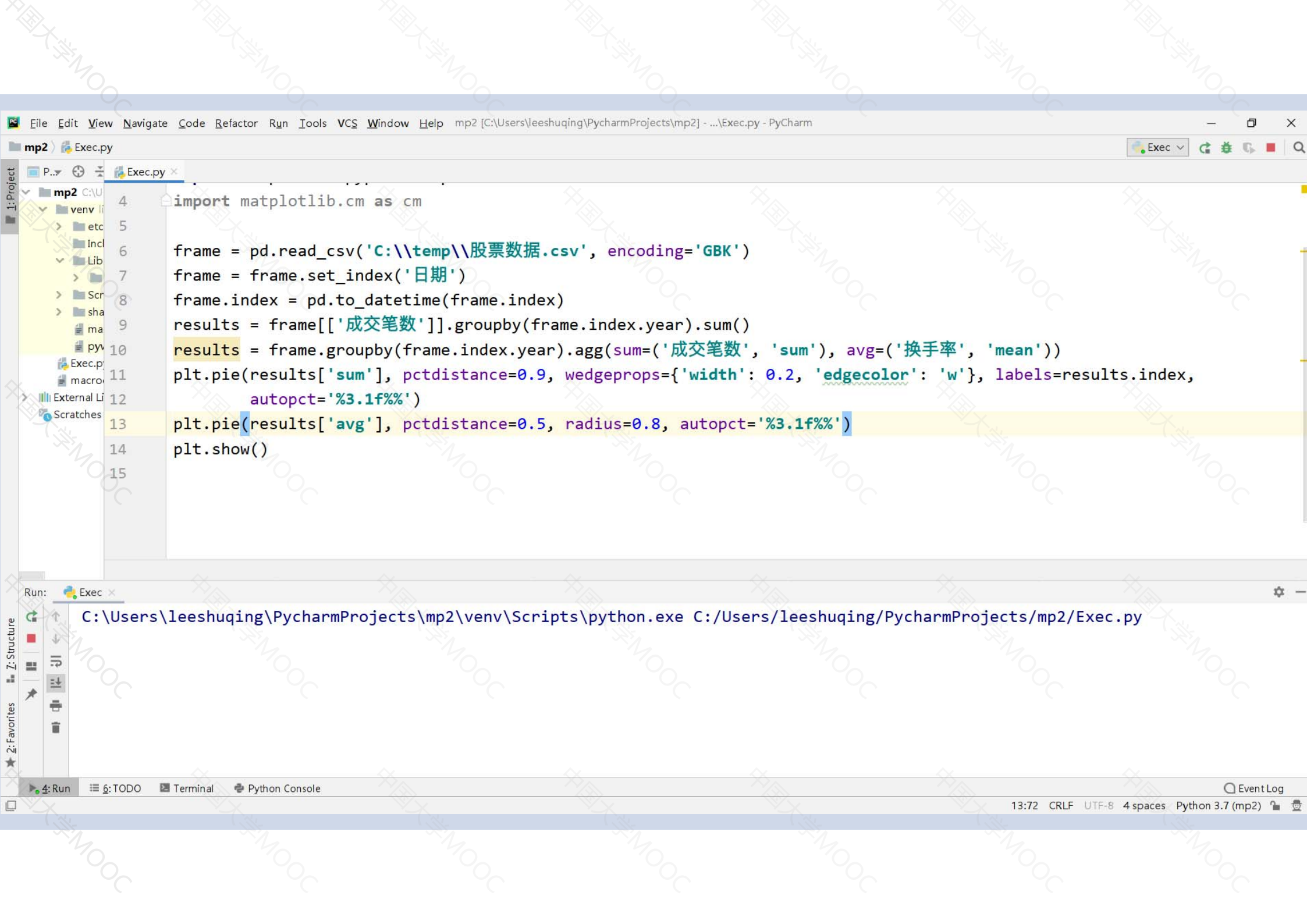
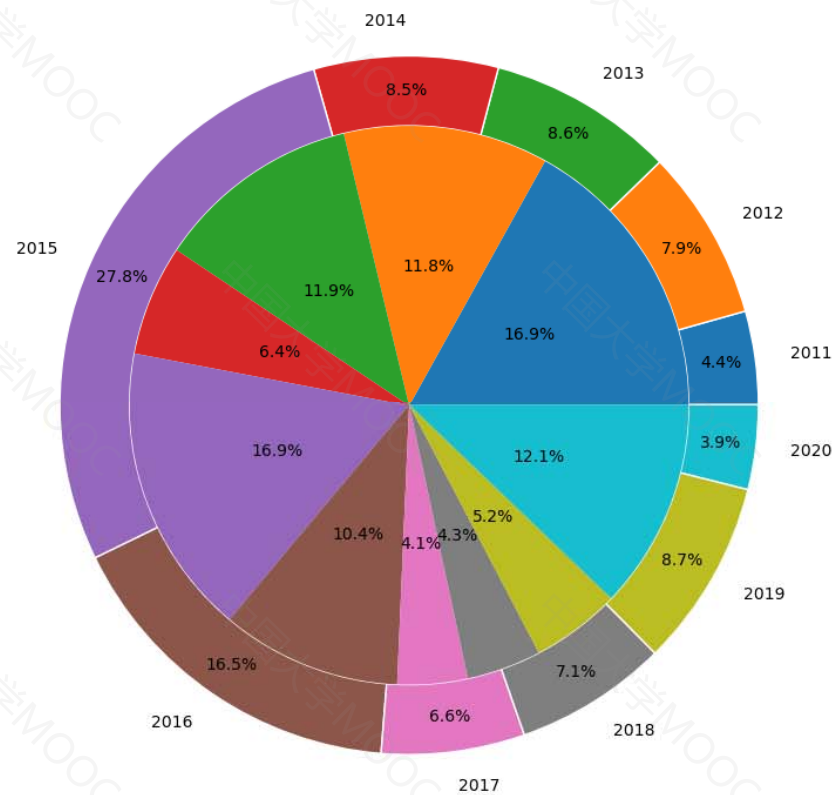


Figure 1



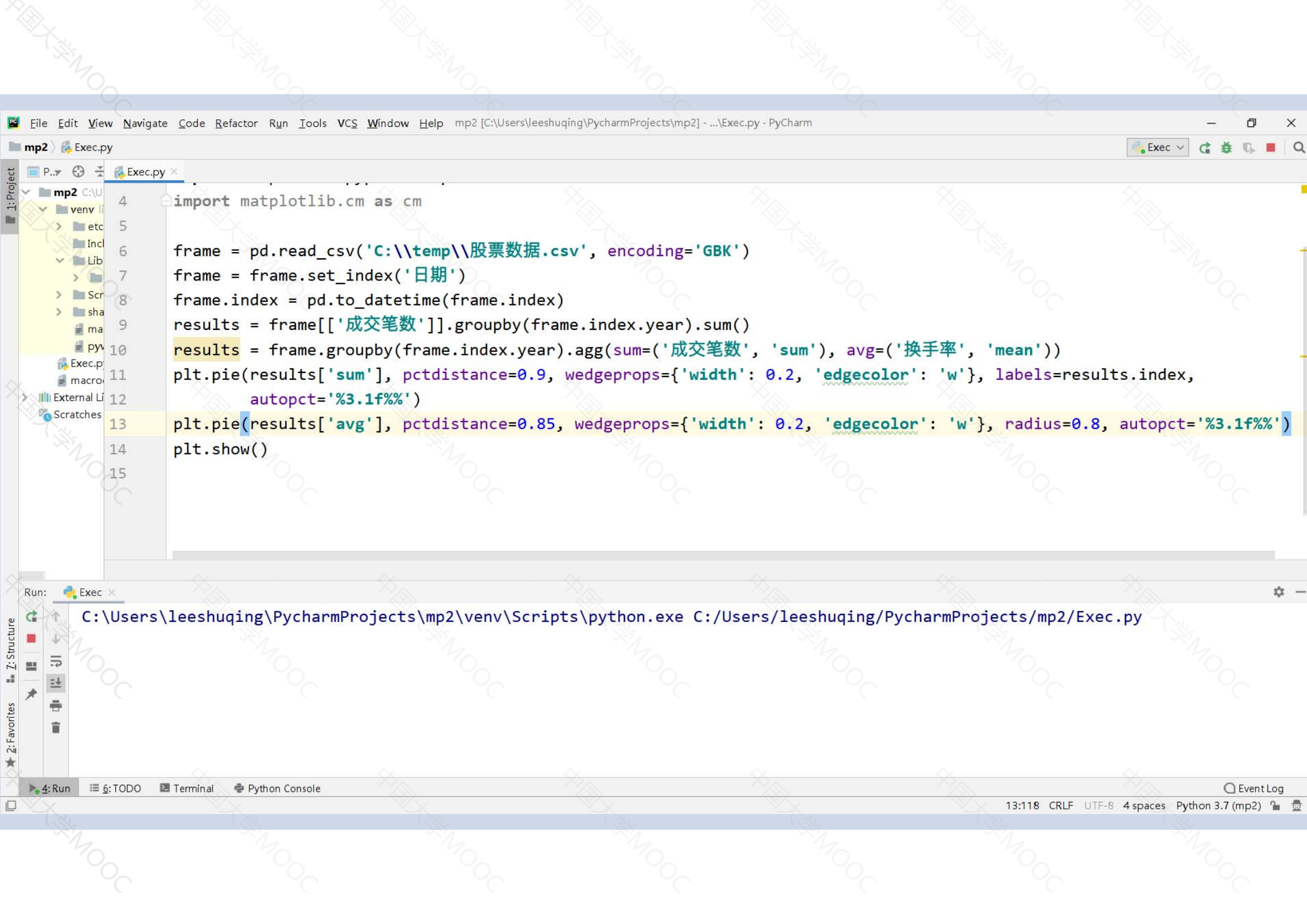
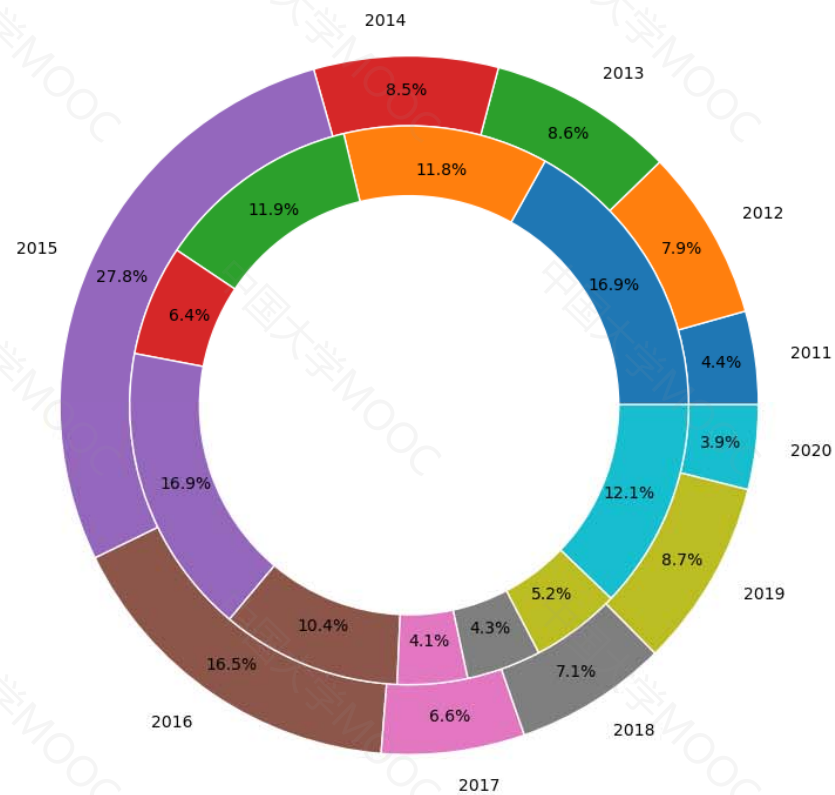


Figure 1



**一次不学多，下次再学**