

Python大数据分析

二、图形样式的美化

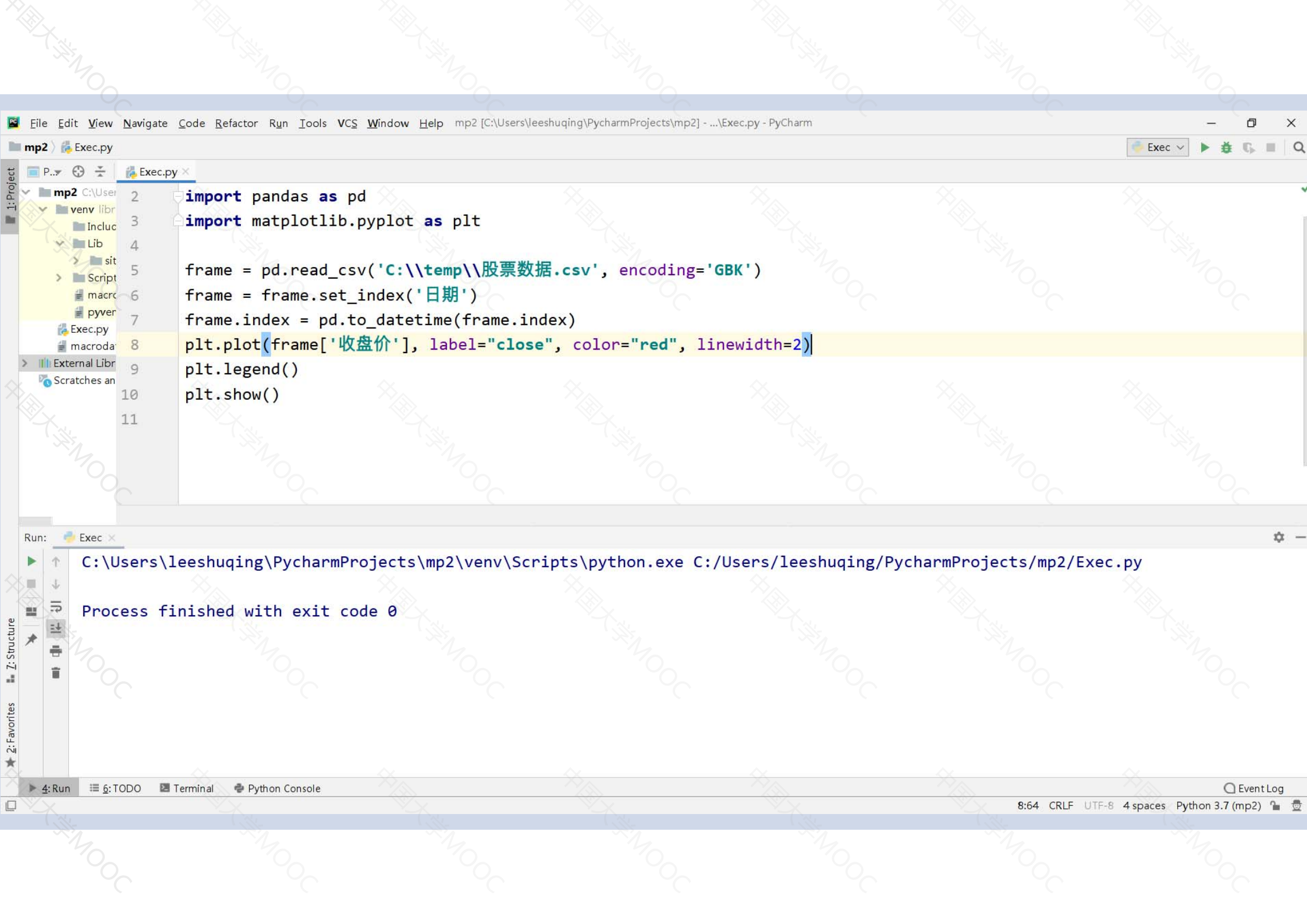


Figure 1



x=2017 y=25.4439

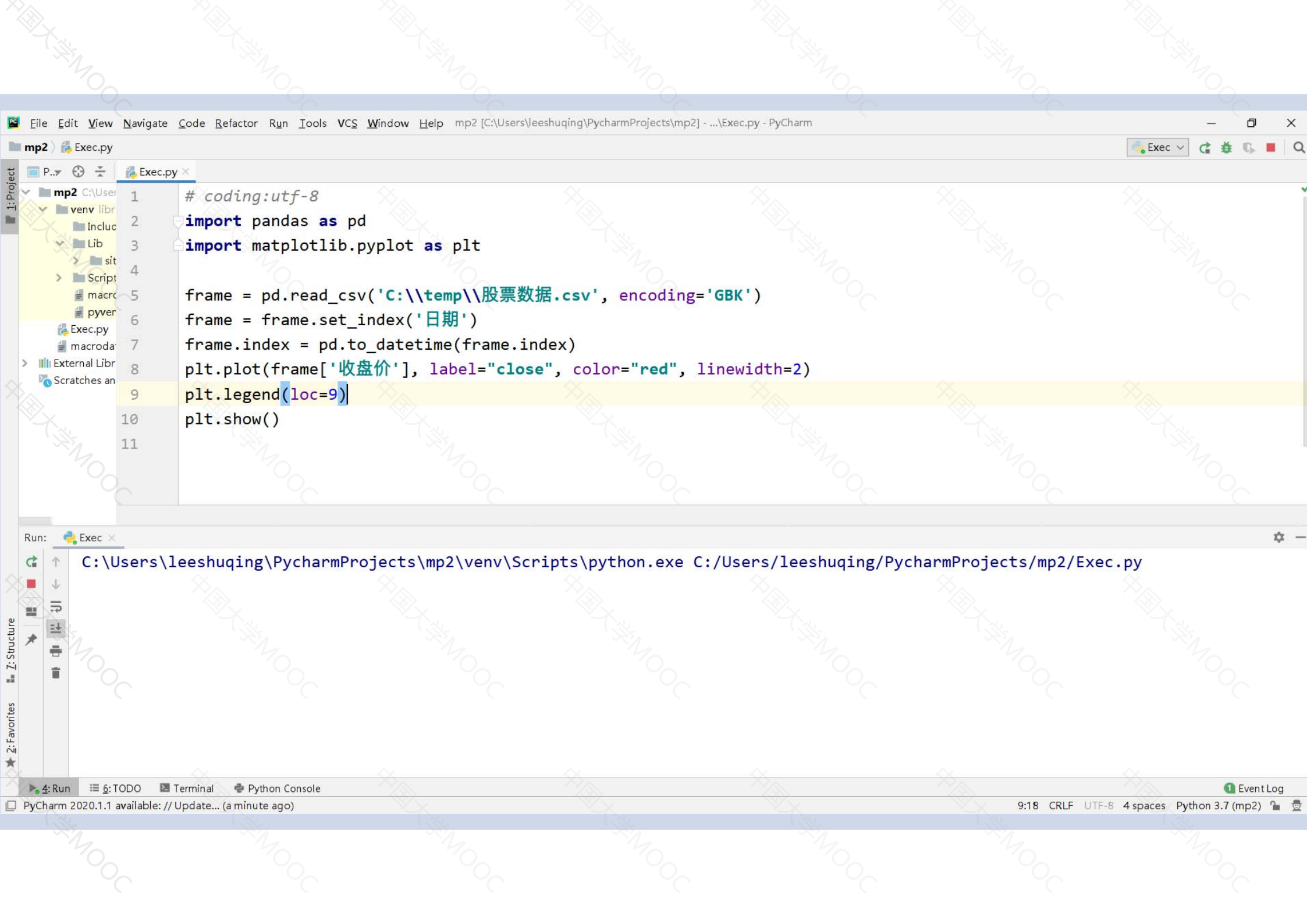


Figure 1



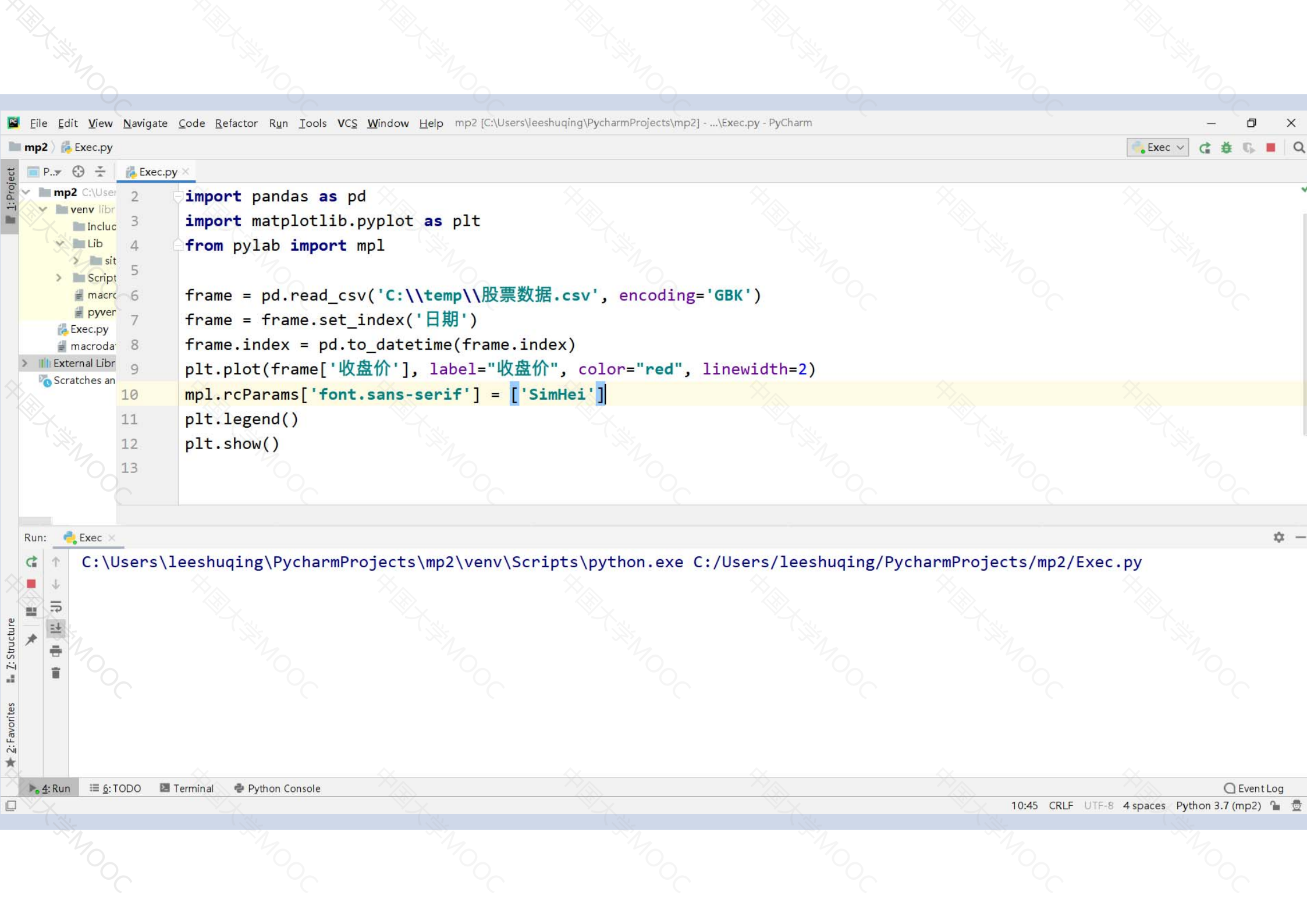


Figure 1



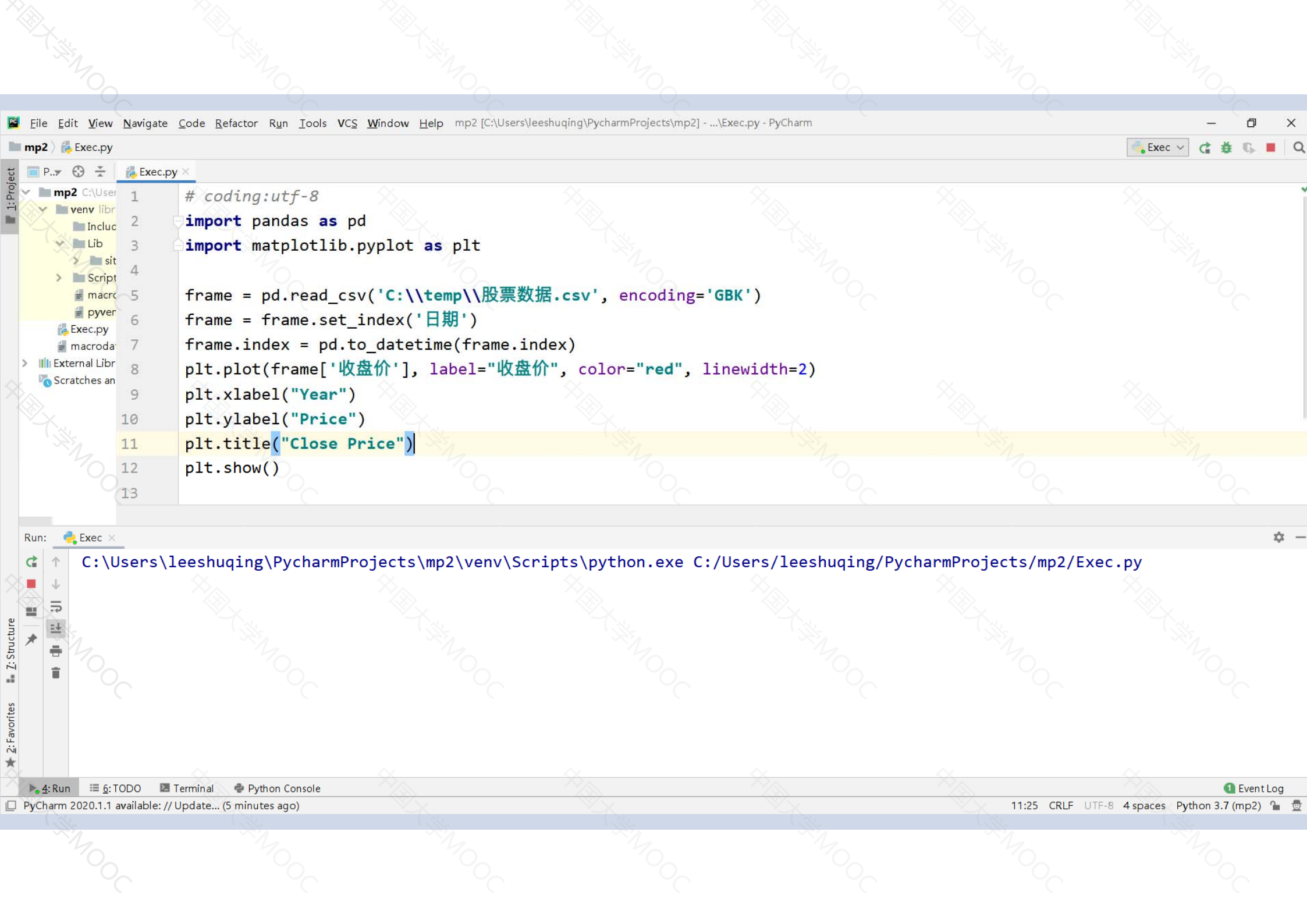
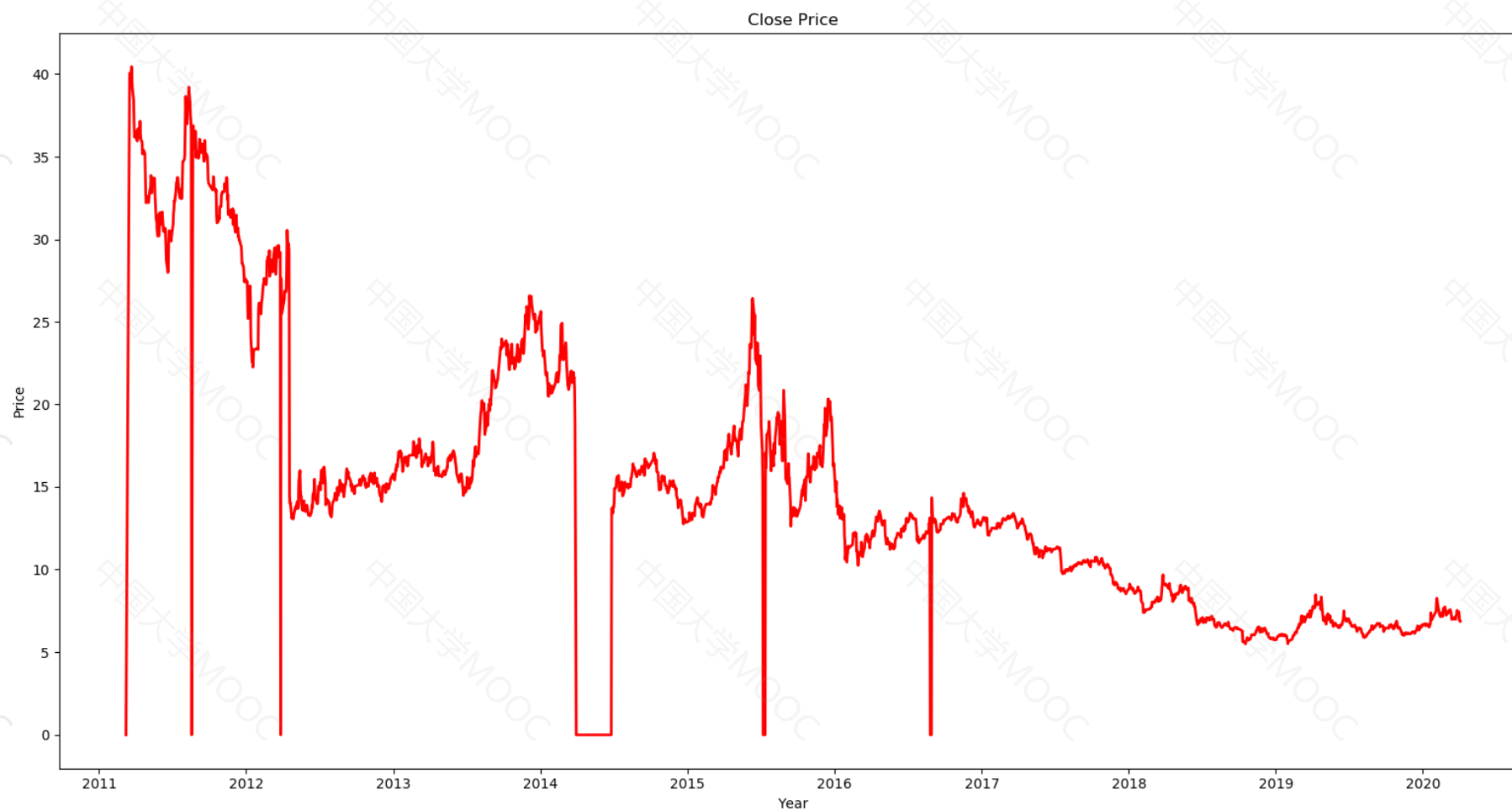


Figure 1



x=2015 y=28.9099

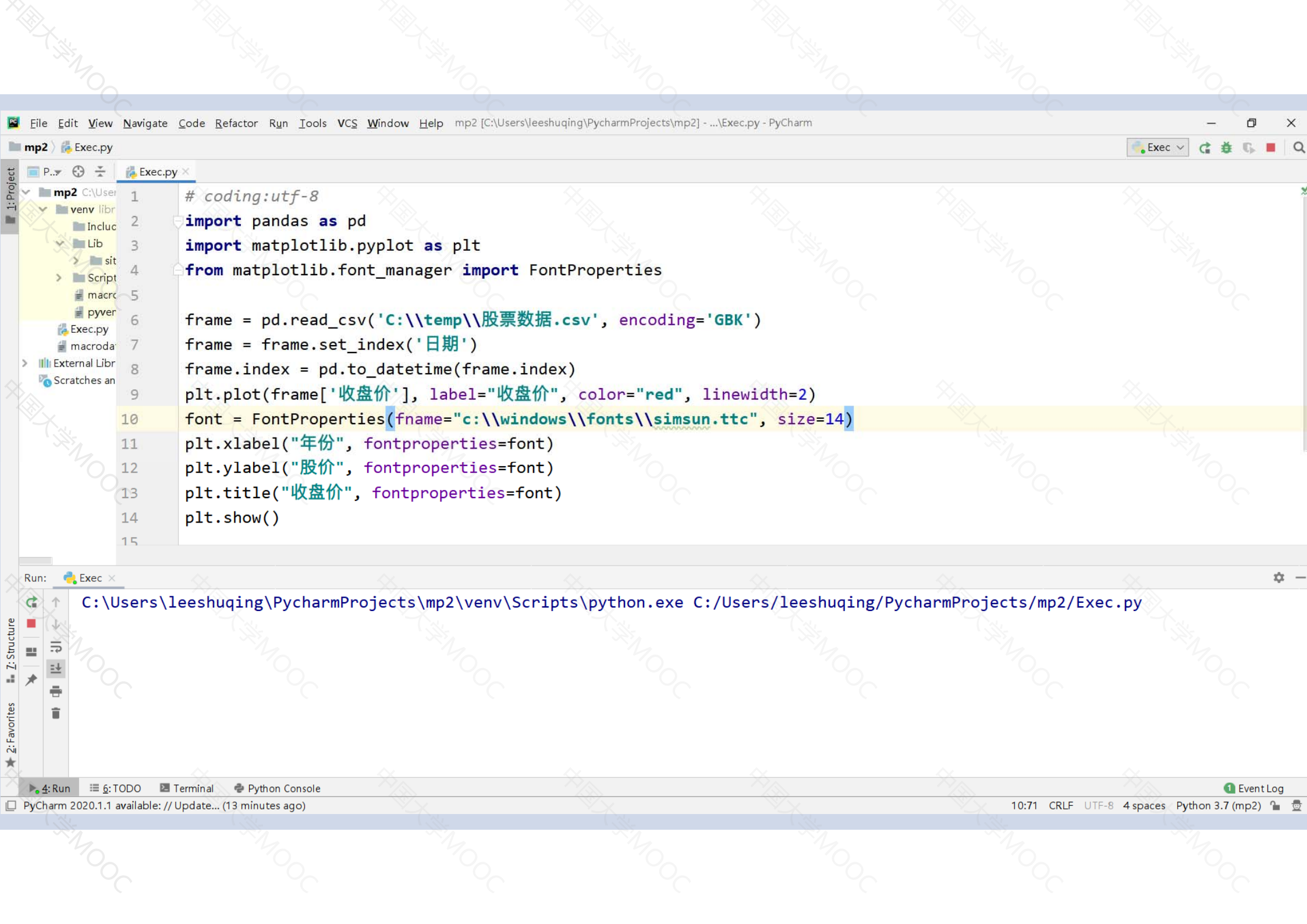
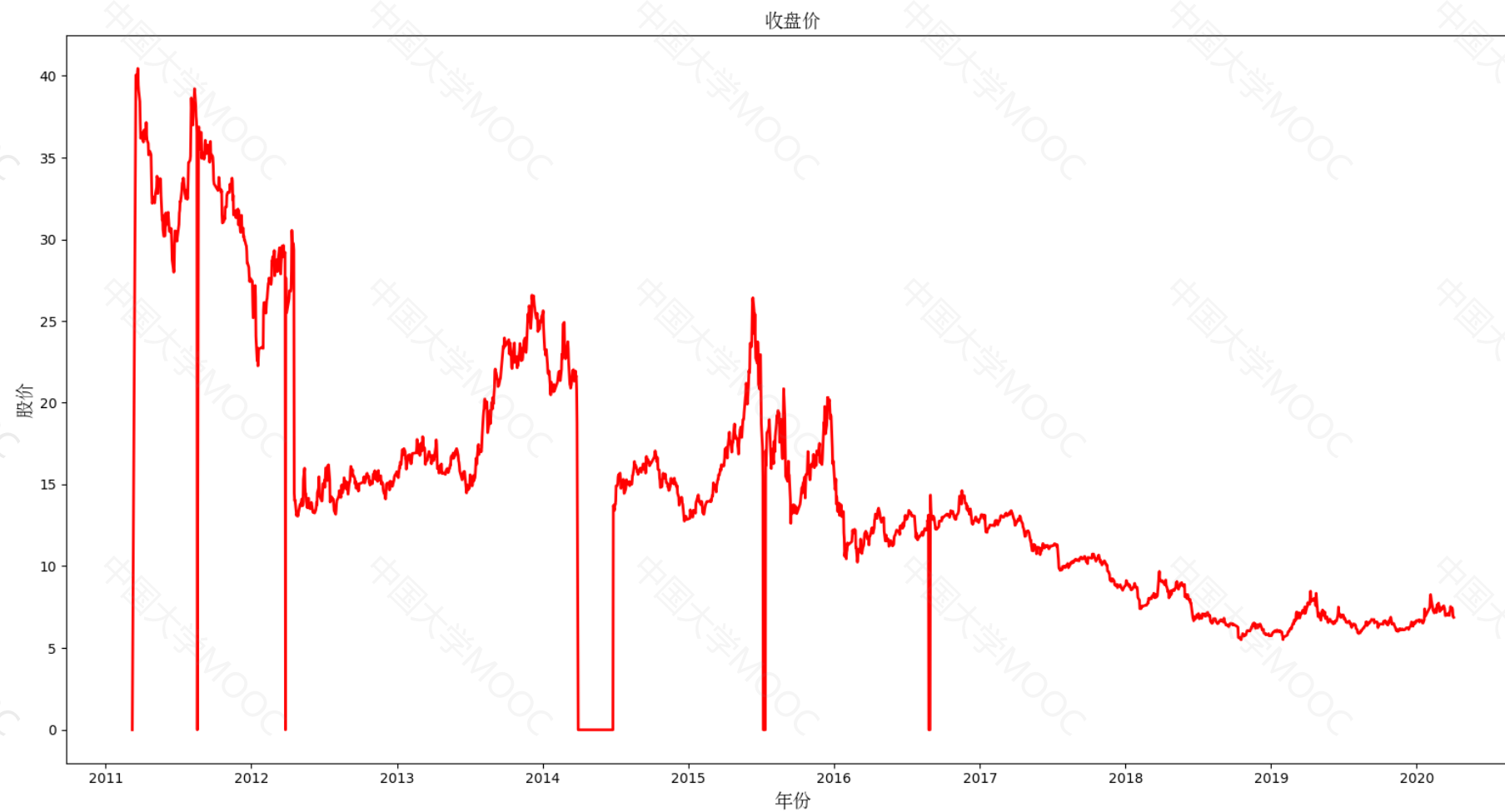


Figure 1



x=2016 y=37.276

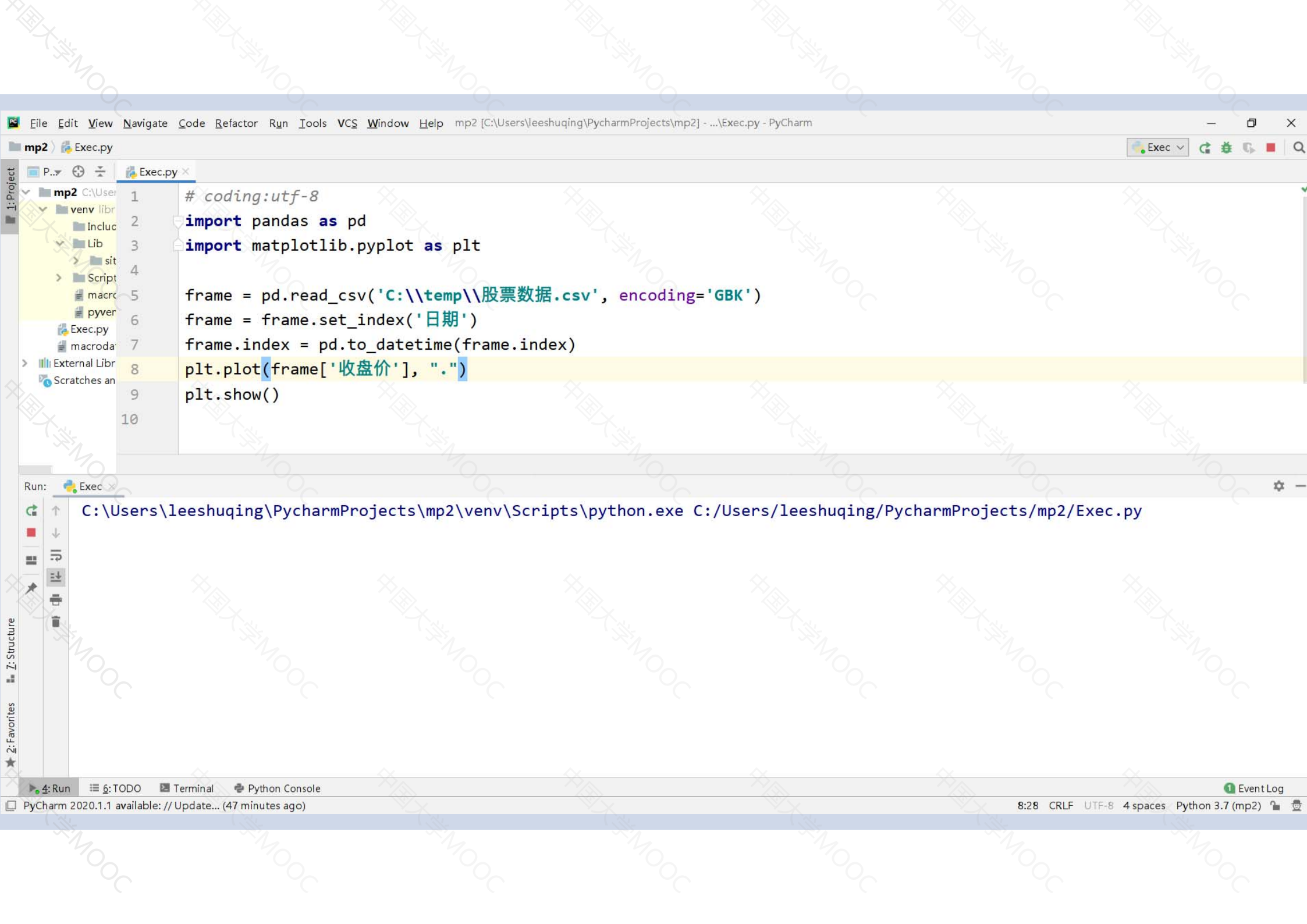


Figure 1



x=2015 y=27.2367

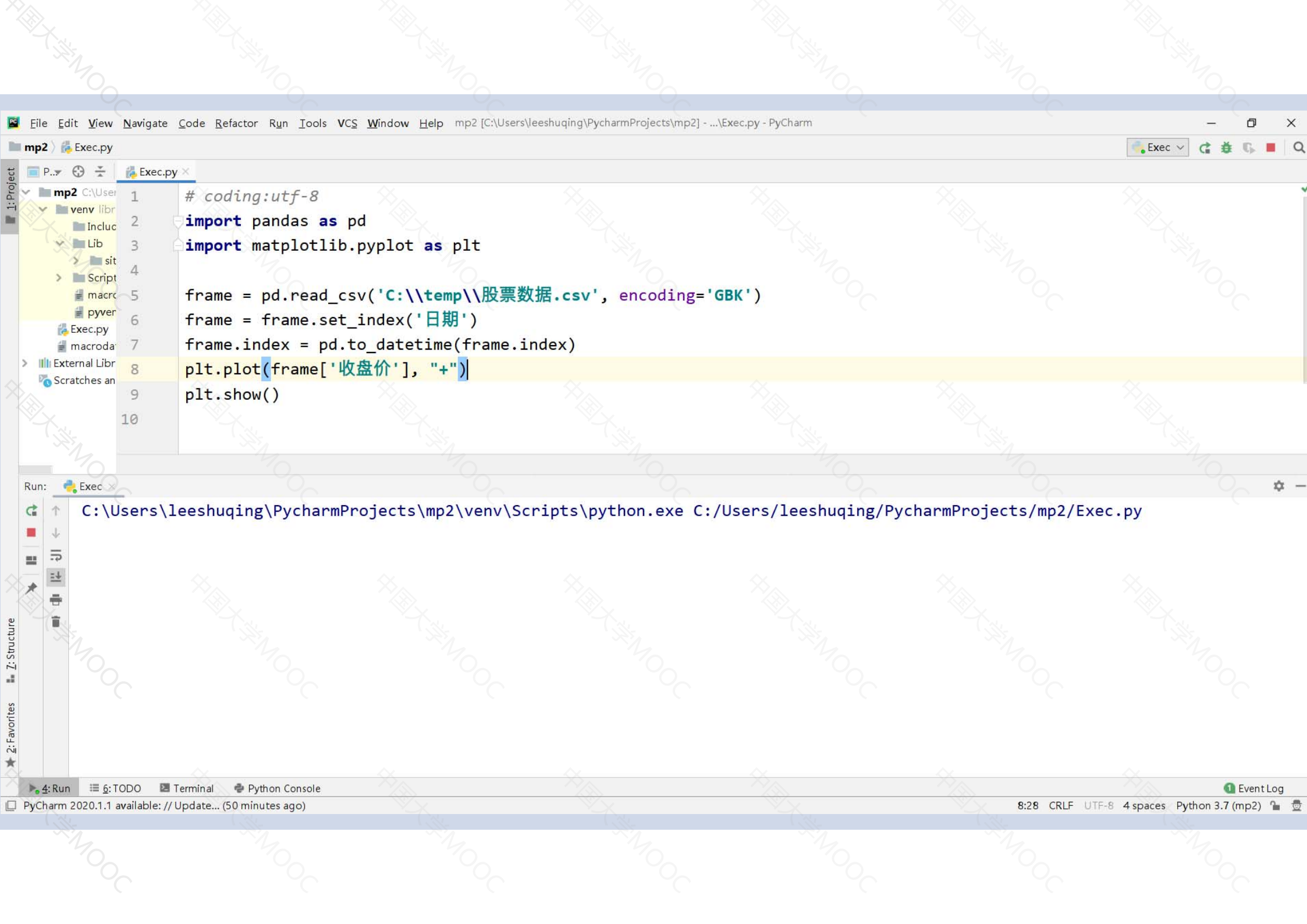
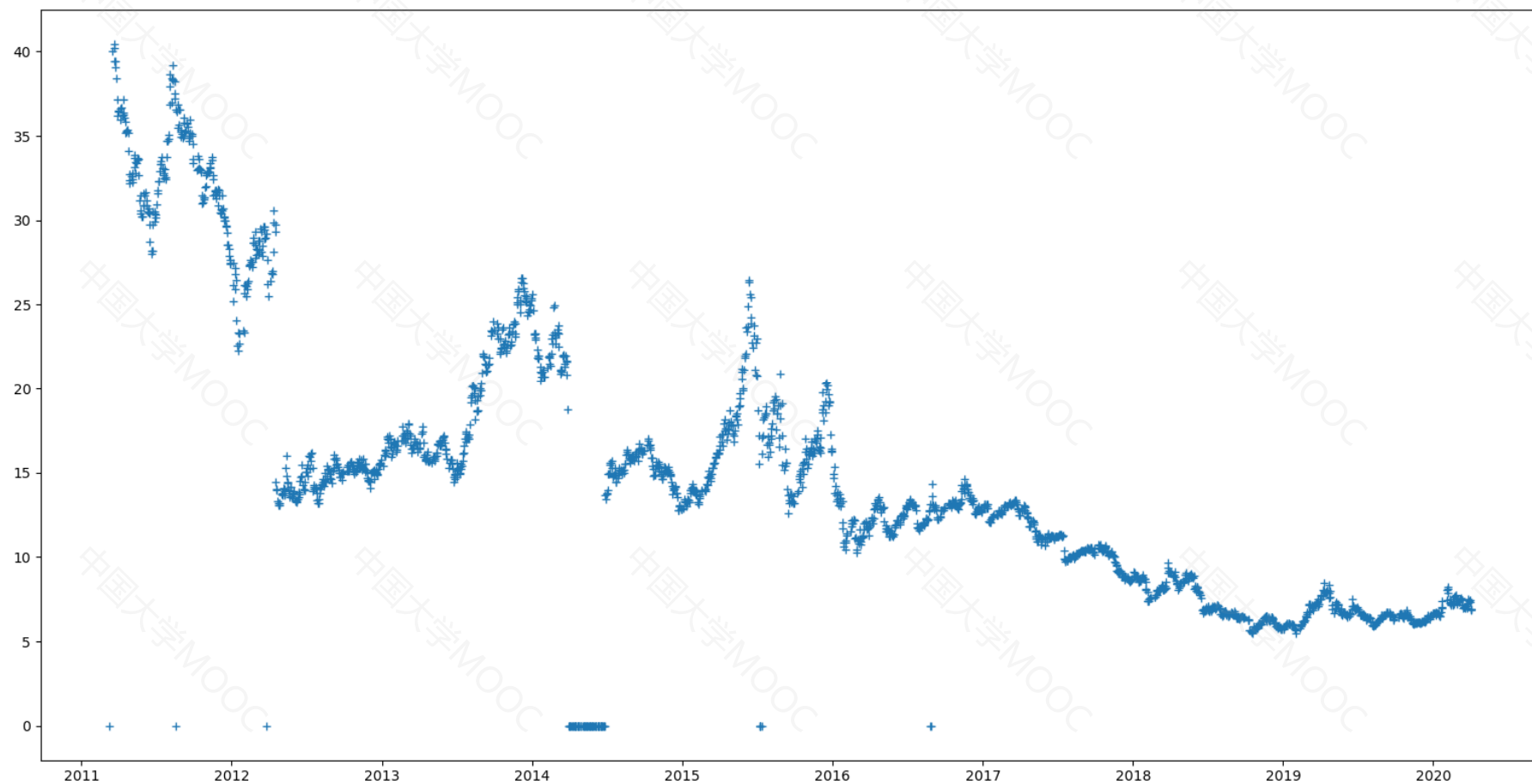


Figure 1



x=2017 y=20.4243

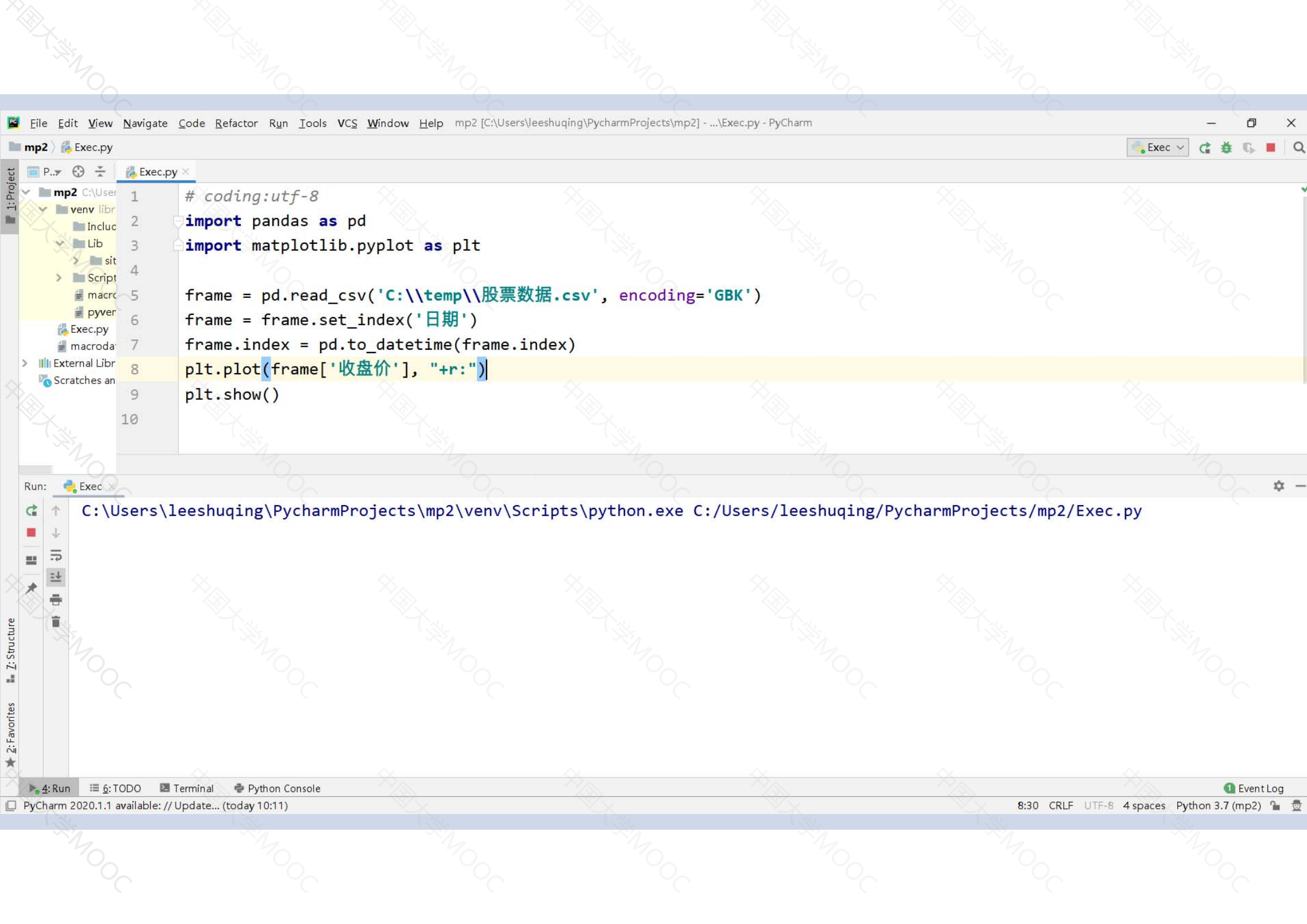


Figure 1



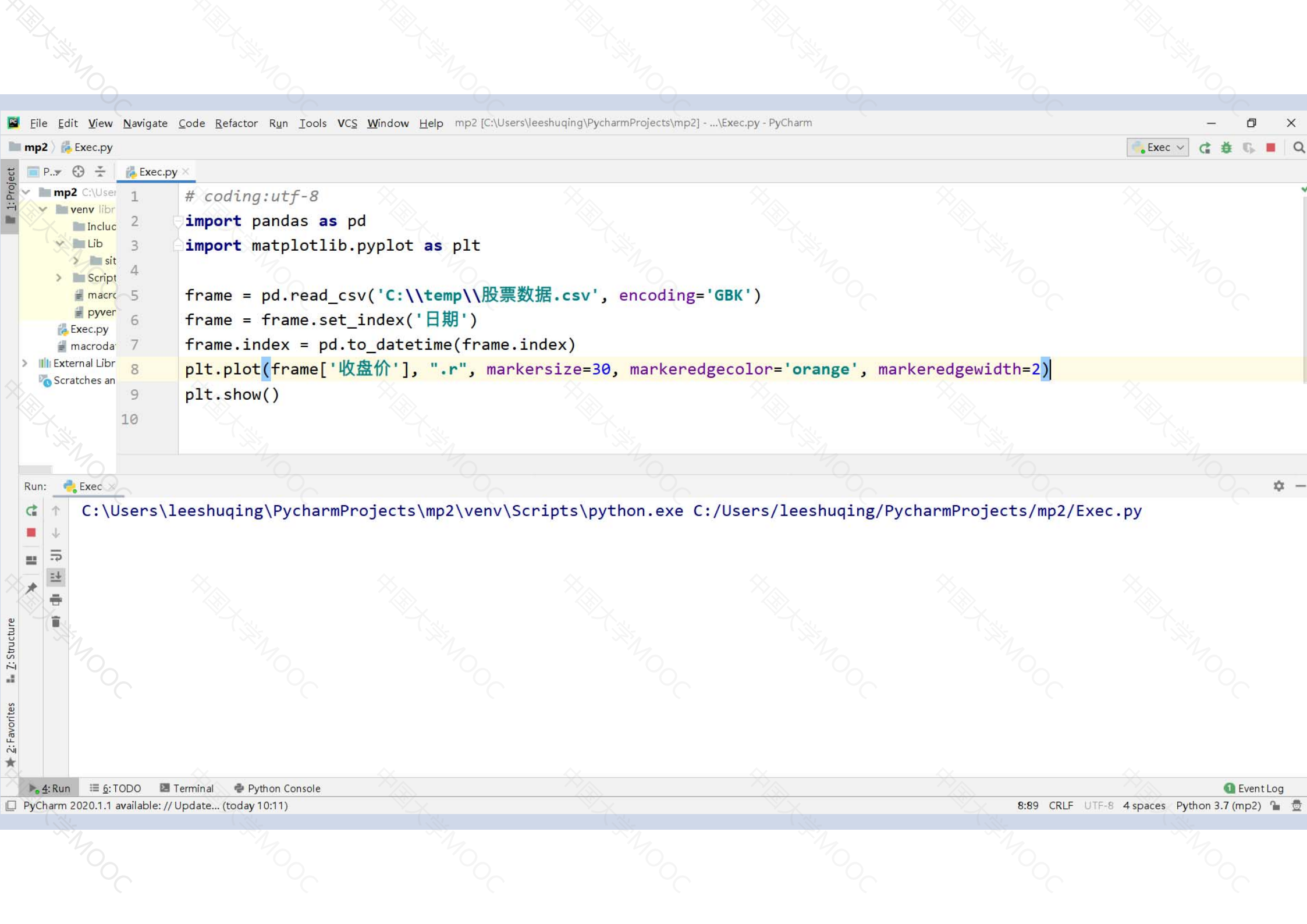
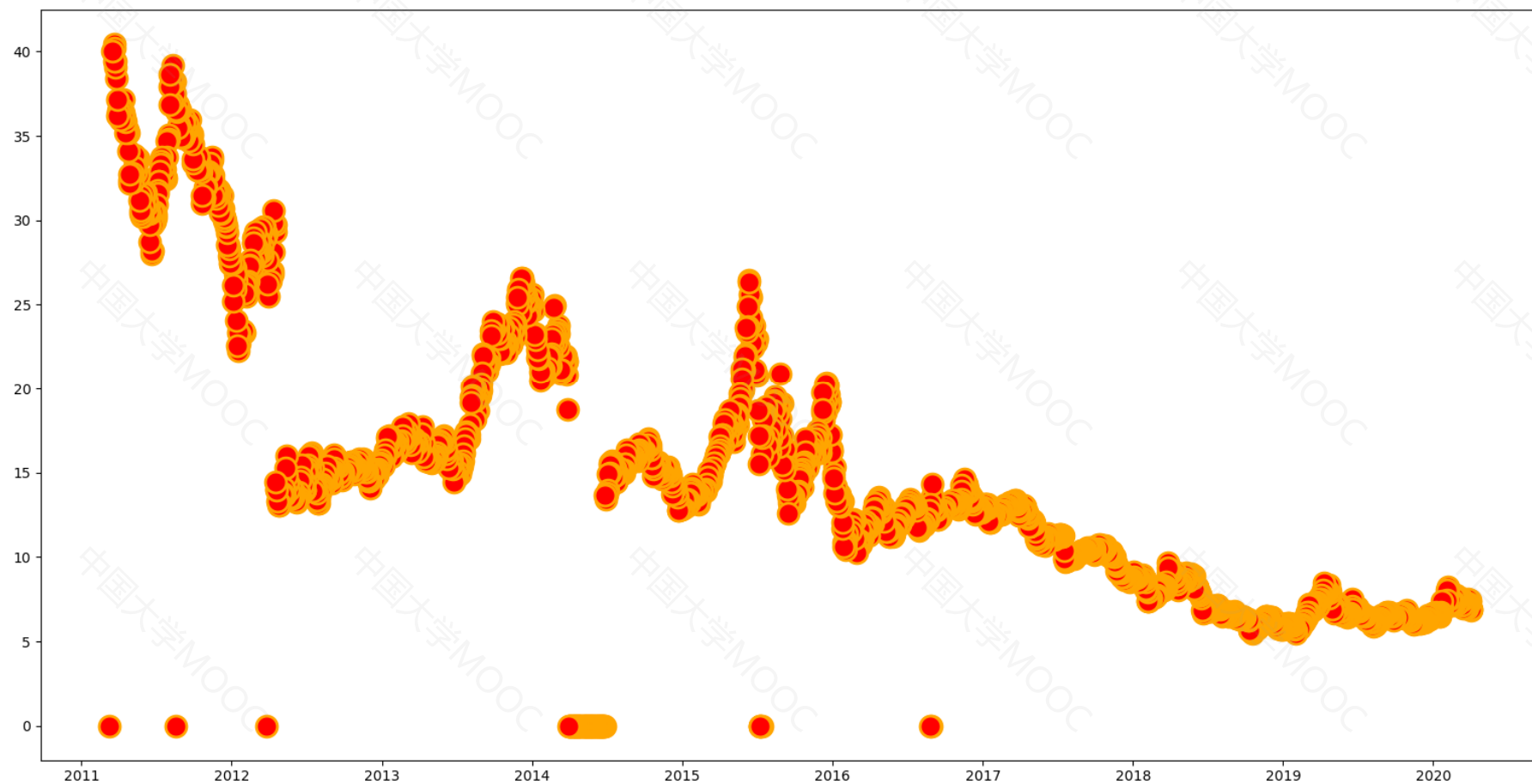


Figure 1



x=2016 y=38.4711

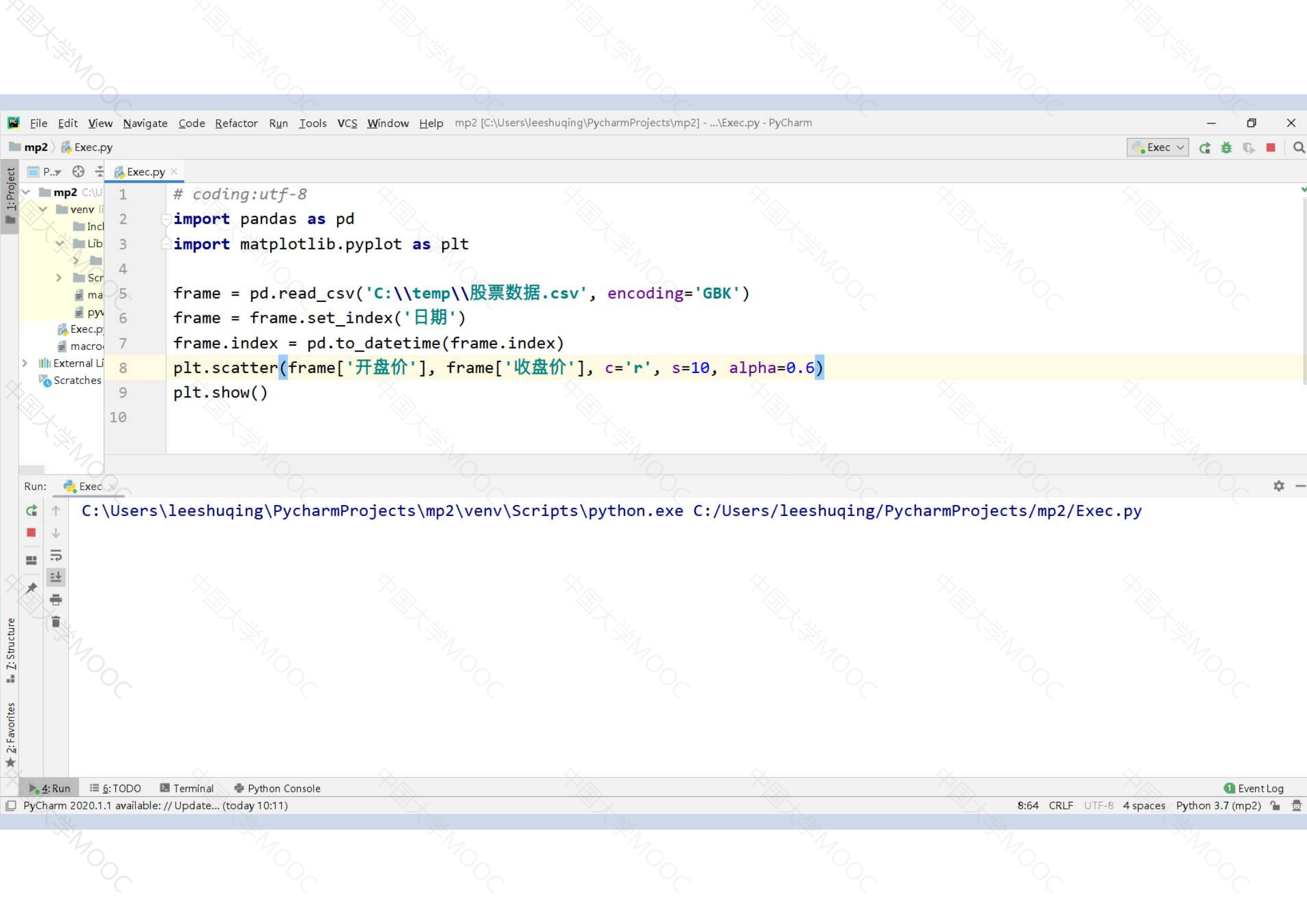
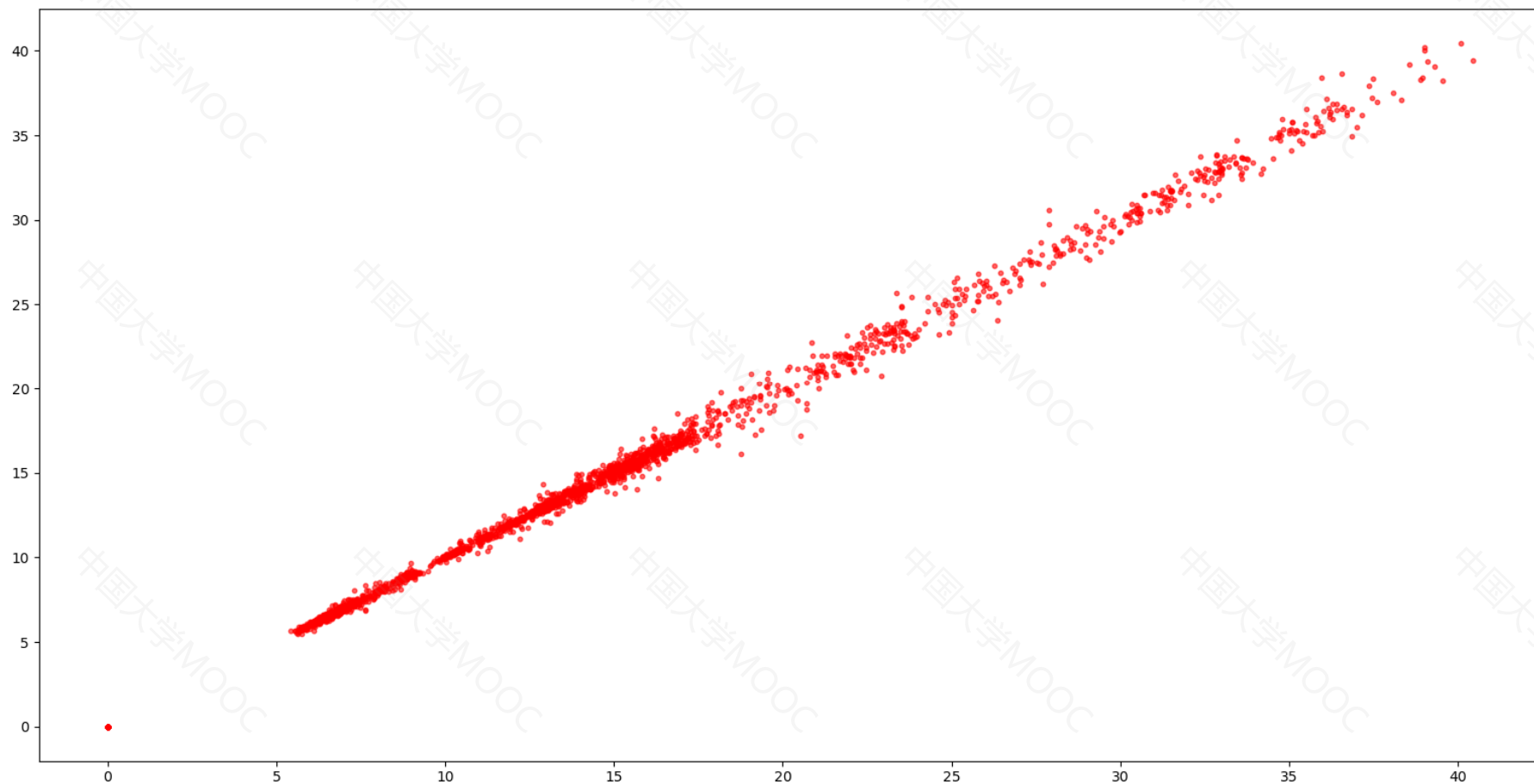


Figure 1



x=24.2924 y=7.93233

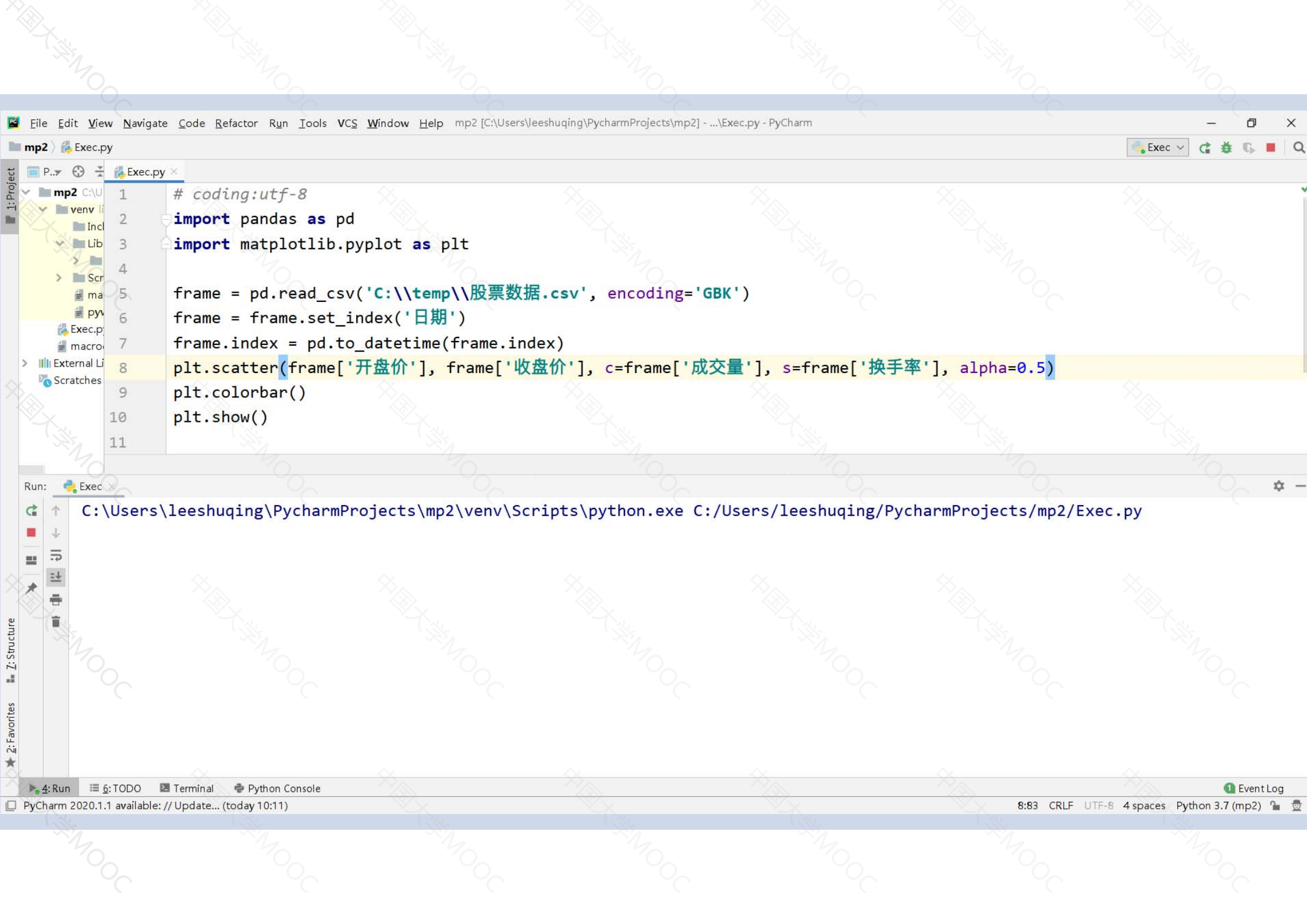
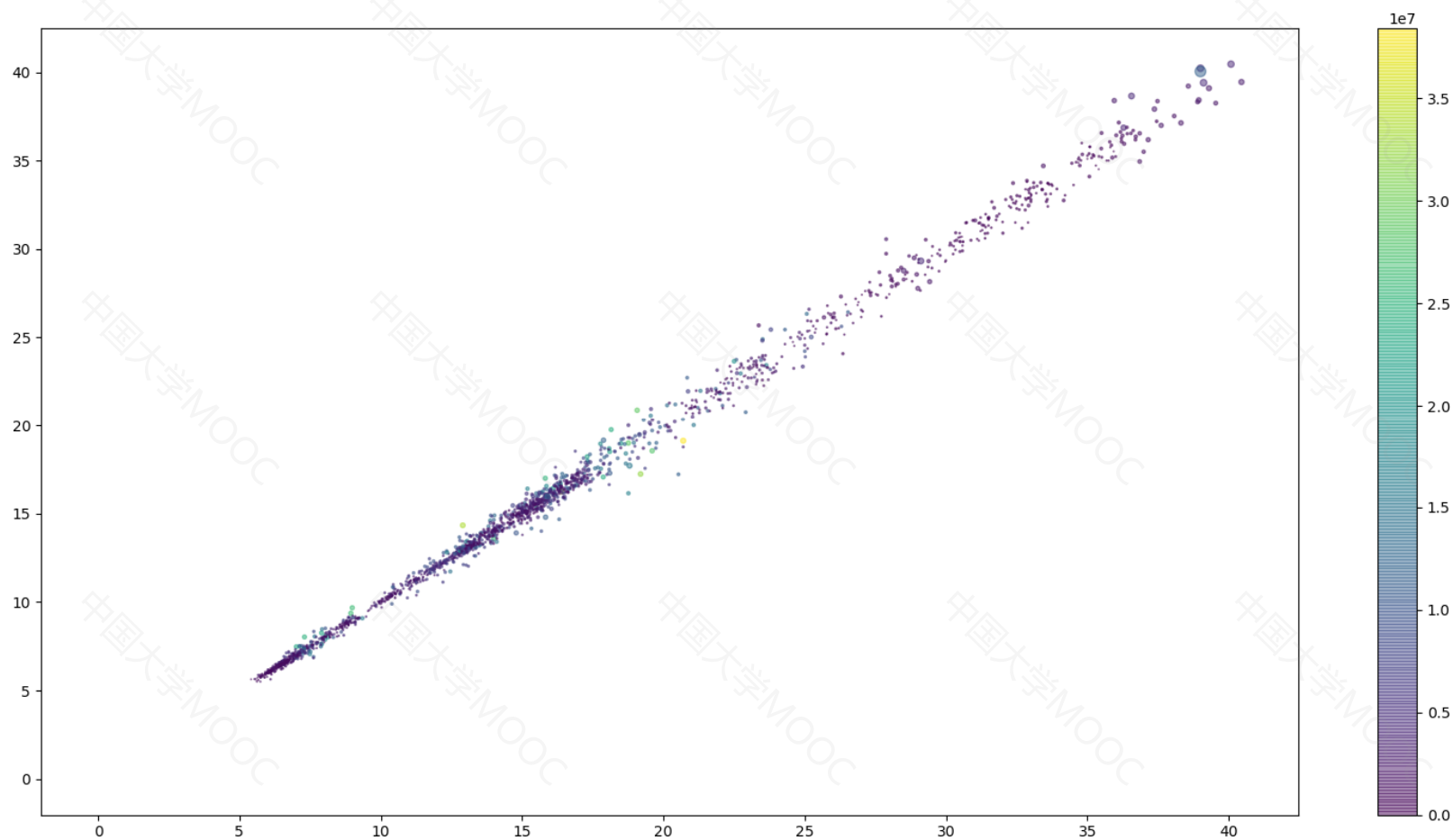
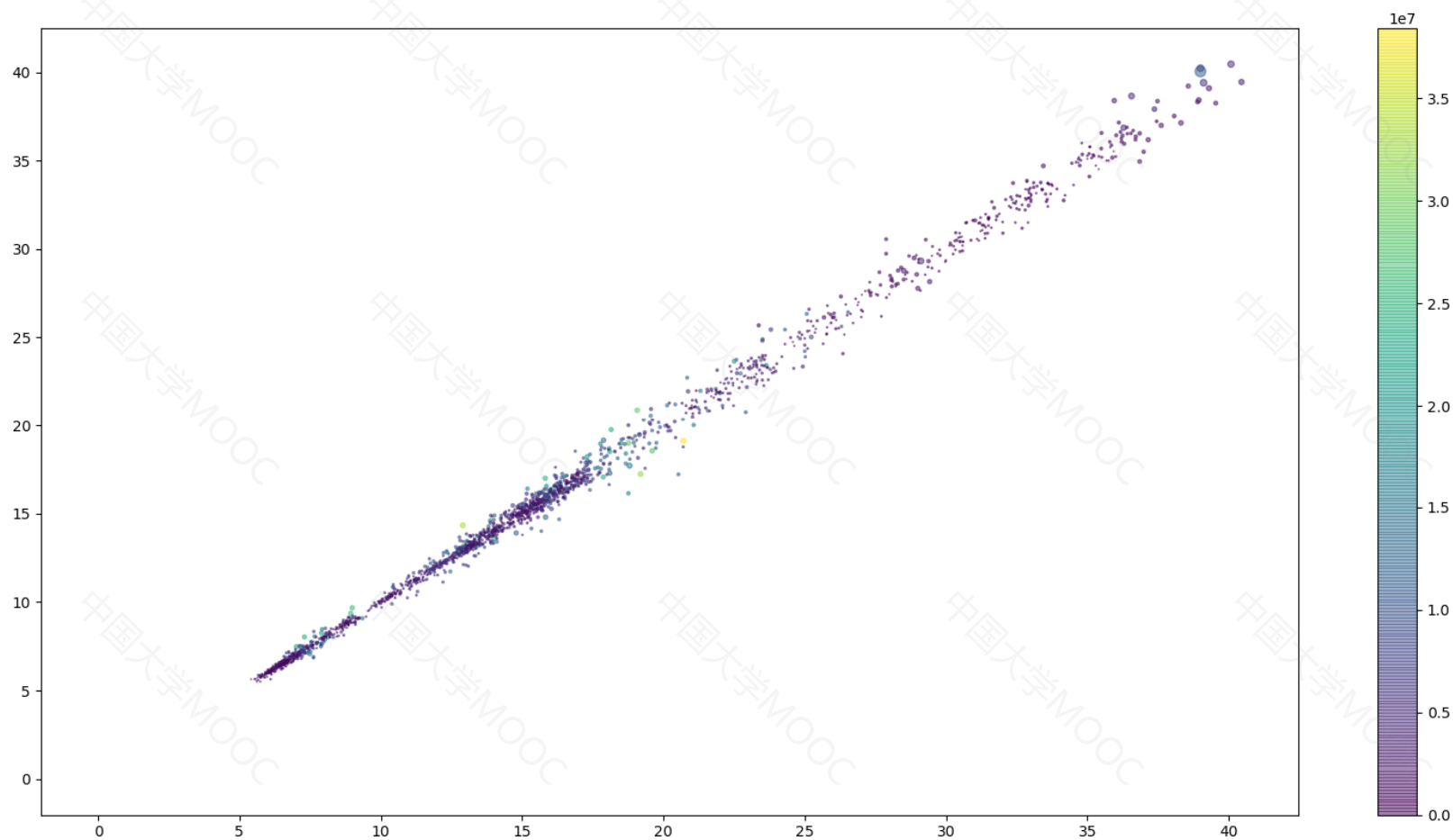


Figure 1



股票数据.csv											
A	B	C	D	E	F	G	H	I	J	K	
1	日期	收盘价	最高价	最低价	开盘价	前收盘	涨跌额	涨跌幅	换手率	成交量	成交金额
2	2015/8/31	19.12	21.74	19	20.7	20.89	-1.77	-8.473	11.6105	38425289	790517699
3	2015/12/29	16.25	16.66	15.72	16.4	17.24	-0.99	-5.7425	10.4189	34481624	555458846
4	2016/8/30	14.34	14.42	12.45	12.9	13.12	1.22	9.2988	10.1854	33708732	451447481
5	2015/12/28	17.24	19.62	17.24	19.19	19.15	-1.91	-9.9739	9.7454	32252466	571279360
6	2015/8/28	20.89	20.89	18.51	19.07	18.99	1.9	10.0053	8.7156	28844268	580088554
7	2015/8/27	18.99	19.68	16.85	18.76	18.22	0.77	4.2261	8.6733	28704372	526980200
8	2015/12/8	18.55	19.8	18.5	19.6	18.77	-0.22	-1.1721	8.4743	28045893	536871949
9	2018/3/26	9.37	9.37	8.75	8.94	8.52	0.85	9.9765	7.9712	26380728	242166319
10	2018/3/27	9.68	9.88	8.95	8.99	9.37	0.31	3.3084	7.9133	26189079	244018883
11	2016/8/31	13.59	14	13.5	14	14.34	-0.75	-5.2301	7.7647	25697438	352546119
12	2015/10/28	17	17.88	15.7	15.82	16.25	0.75	4.6154	7.5455	24972002	414298768
13	2020/2/4	8.03	8.19	7.07	7.3	7.48	0.55	7.3529	7.4242	24570391	185602117
14	2015/12/9	19.75	19.85	18	18.15	18.55	1.2	6.469	7.2803	24094266	463812674
15	2015/8/24	17.07	19.09	17.07	17.87	18.97	-1.9	-10.0158	7.1314	23601447	421506157
16	2020/2/3	7.48	7.64	6.67	7.01	6.95	0.53	7.6259	7.0438	23311652	171232696

Figure 1



股票数据.csv											
A	B	C	D	E	F	G	H	I	J	K	
1	日期	收盘价	最高价	最低价	开盘价	前收盘	涨跌额	涨跌幅	换手率	成交量	成交金额
2	2011/3/18	40.04	41.99	38.4	39	39.9	0.14	0.3509	52.5312	11598881	467475964
3	2011/3/22	40.22	40.57	38.45	39	39.4	0.82	2.0812	20.0348	4423674	175638568
4	2011/3/21	39.4	39.6	38.5	39.11	40.04	-0.64	-1.5984	19.7587	4362717	170049561
5	2011/3/23	40.45	41.88	39.83	40.08	40.22	0.23	0.5719	18.289	4038216	164761482
6	2012/2/28	29.33	30	29	29.11	28.57	0.76	2.6601	15.4122	4253773	125876654
7	2011/8/4	38.65	39.47	36.55	36.56	36.86	1.79	4.8562	15.0054	4141502	157733933
8	2011/8/3	36.86	38.09	36.2	36.28	35.09	1.77	5.0442	12.5747	3470618	128876811
9	2011/3/24	39.44	40.8	39.4	40.45	40.45	-1.01	-2.4969	12.1711	2687378	106761064
10	2015/8/31	19.12	21.74	19	20.7	20.89	-1.77	-8.473	11.6105	38425289	790517699
11	2011/3/25	39.09	39.41	38.7	39.3	39.44	-0.35	-0.8874	11.4169	2520849	98309169.
12	2013/4/9	17.71	18.8	17.61	18.8	17.29	0.42	2.4291	11.3796	15345369	277399120
13	2015/12/29	16.25	16.66	15.72	16.4	17.24	-0.99	-5.7425	10.4189	34481624	555458846
14	2011/3/28	38.42	39.14	38.3	38.94	39.09	-0.67	-1.714	10.2474	2262620	87464106
15	2016/8/30	14.34	14.42	12.45	12.9	13.12	1.22	9.2988	10.1854	33708732	451447481
16	2012/3/6	28.78	29.48	28.32	28.5	28.28	0.5	1.768	9.9174	2737195	78985742.

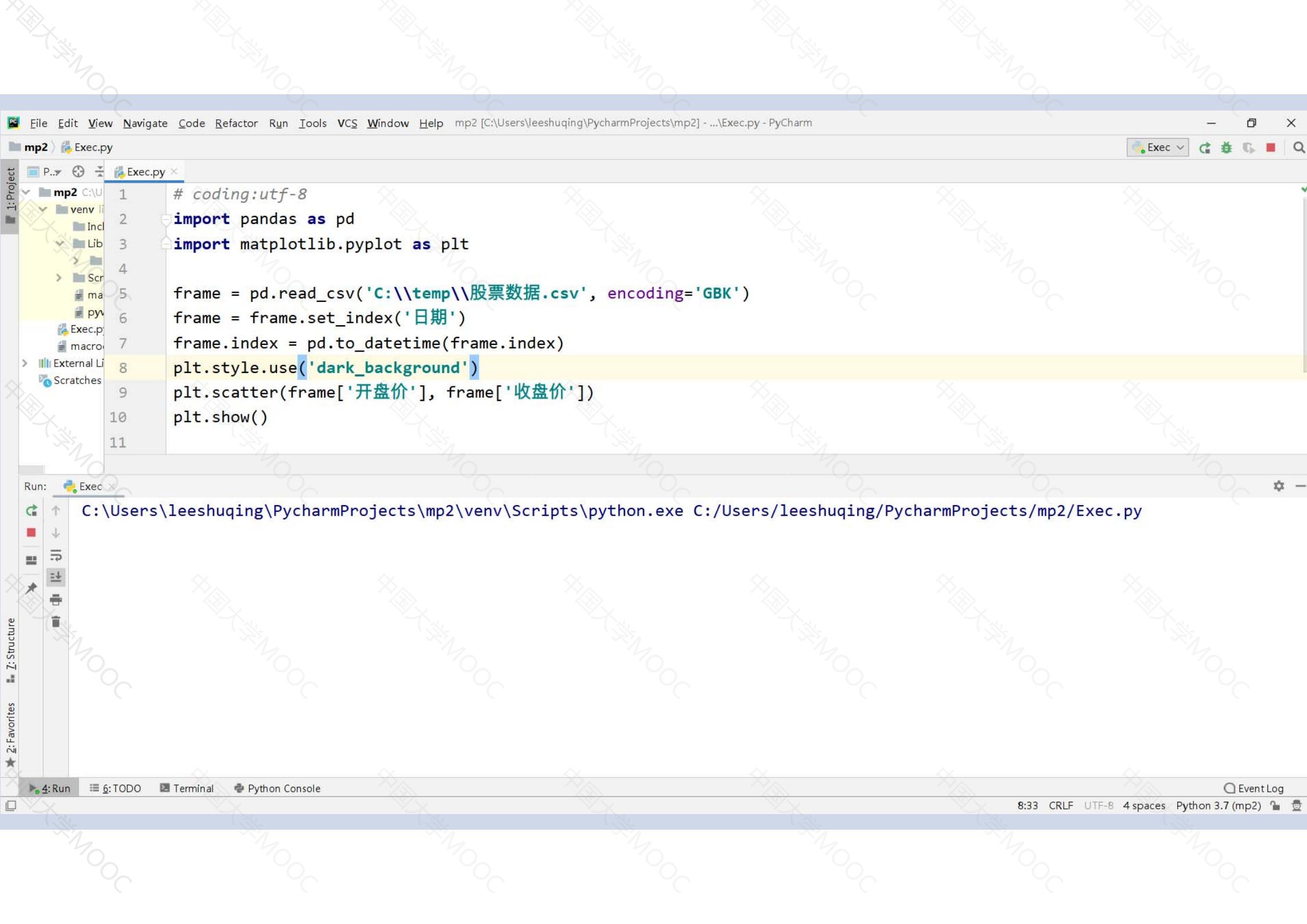
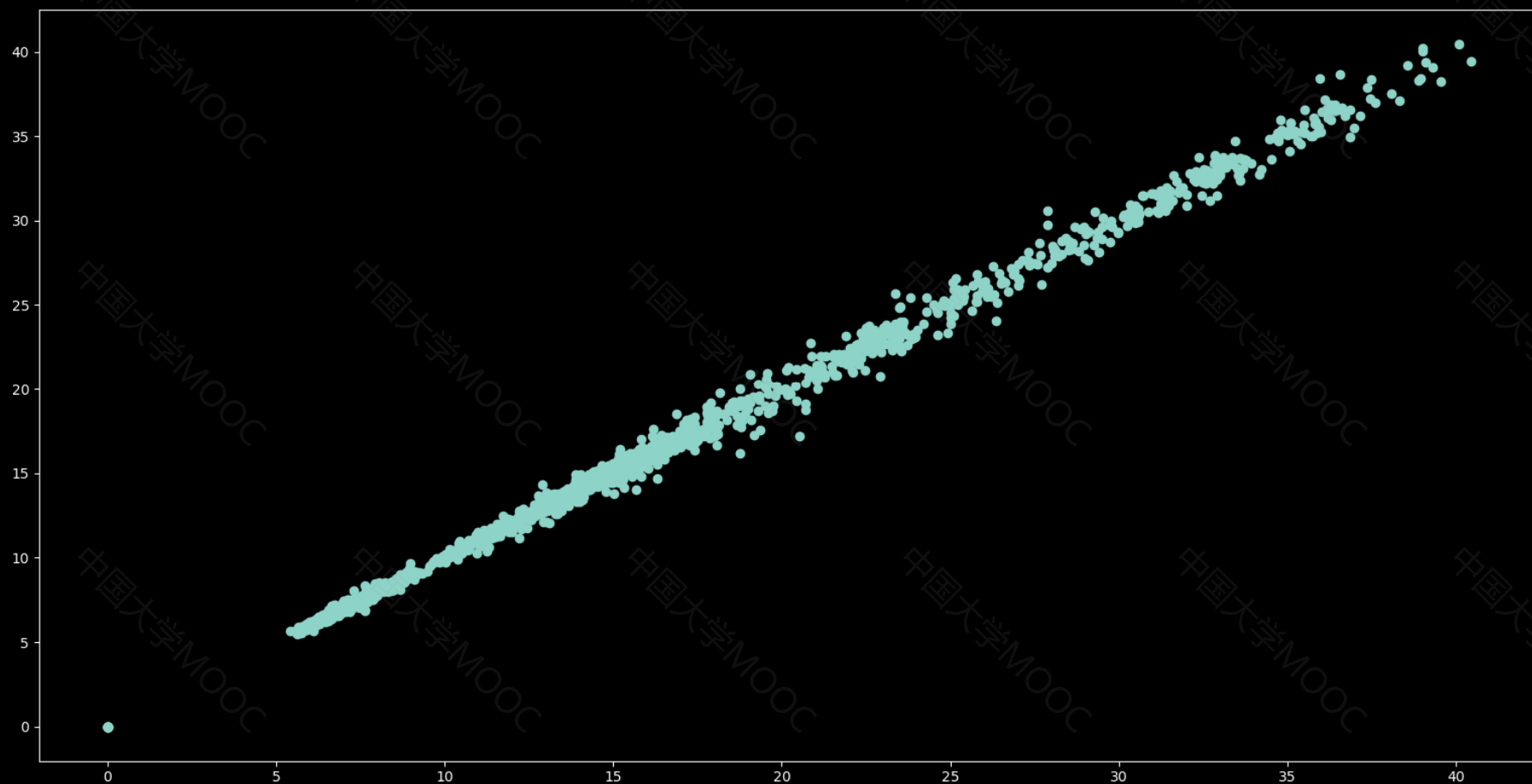
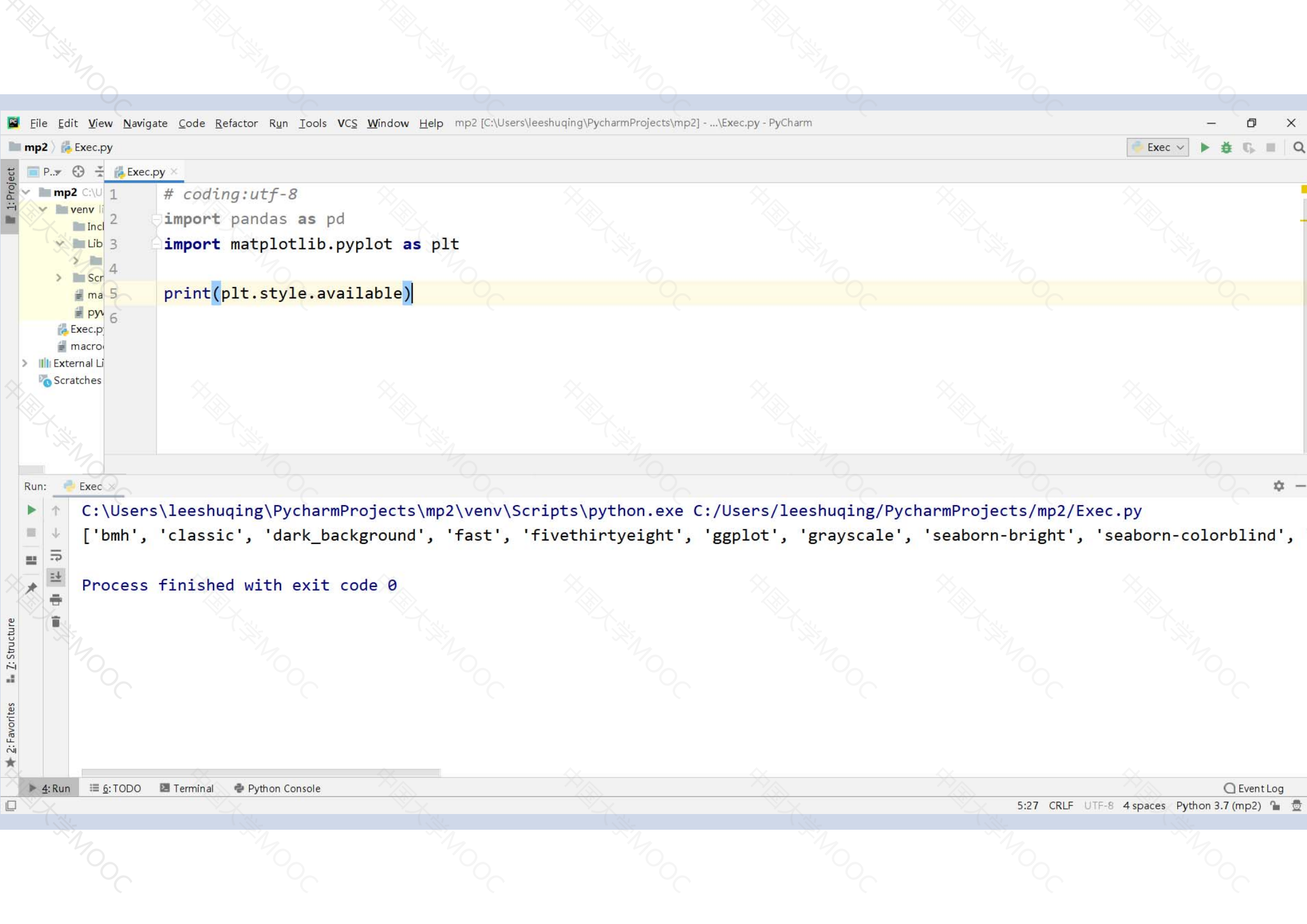


Figure 1





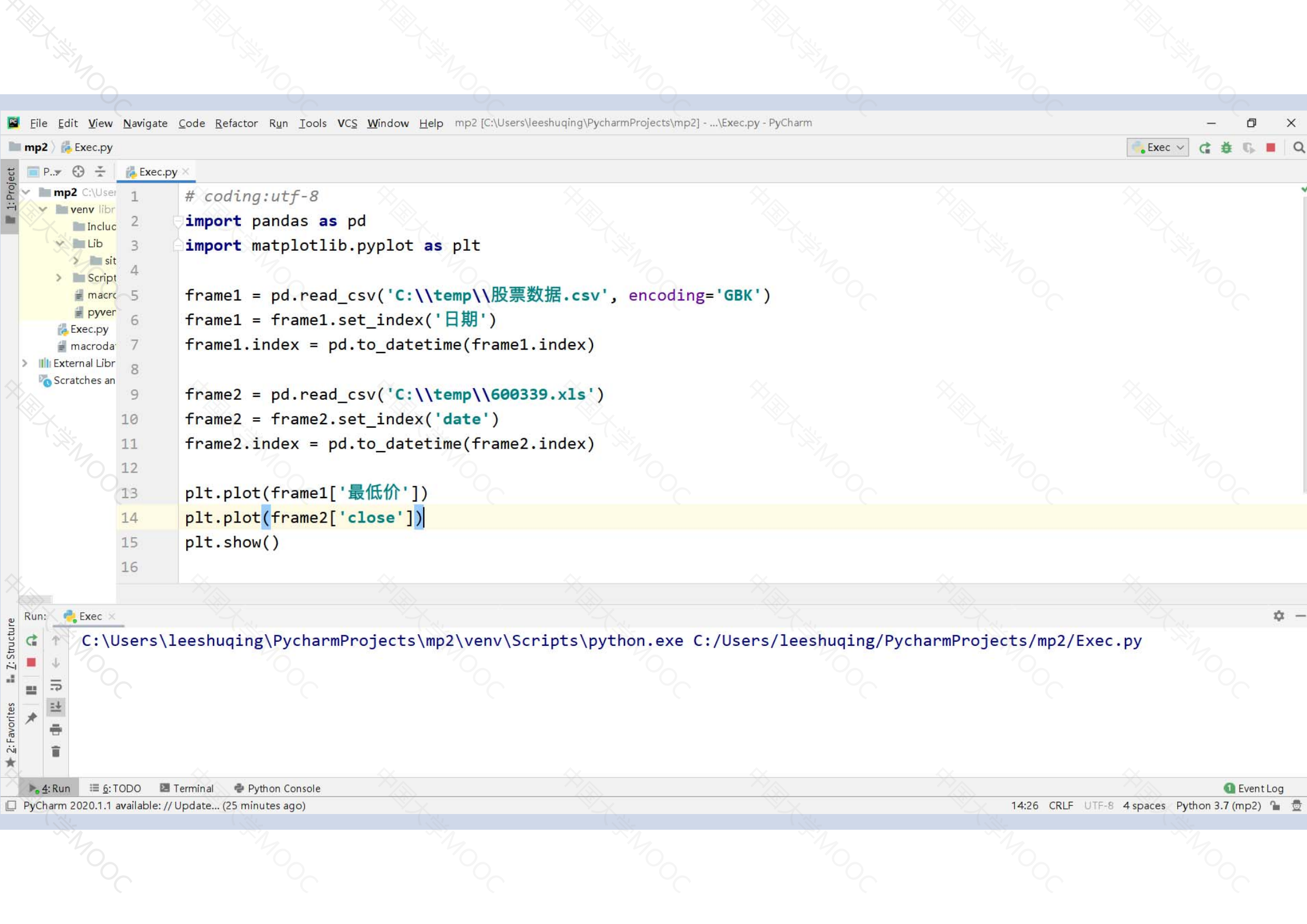
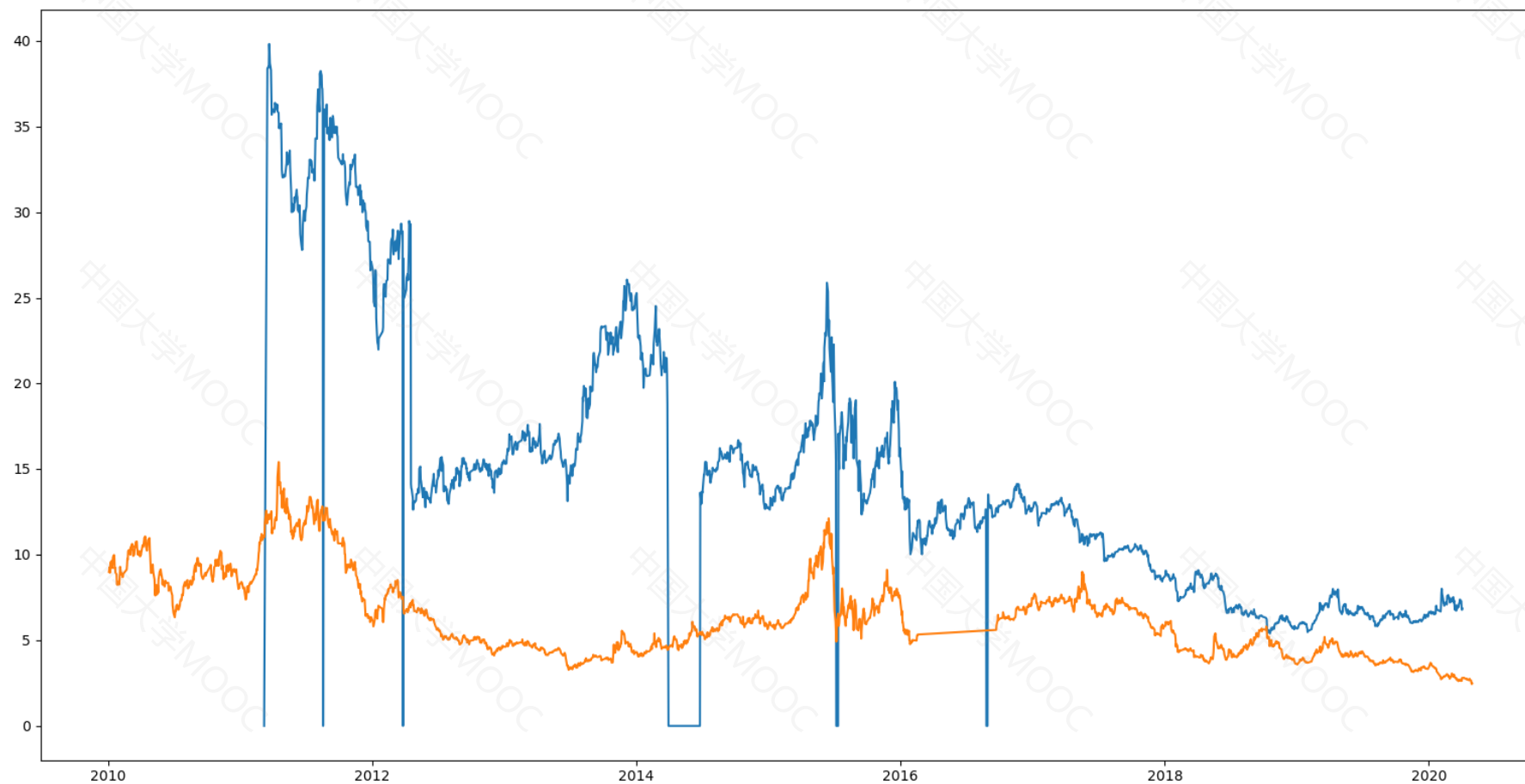
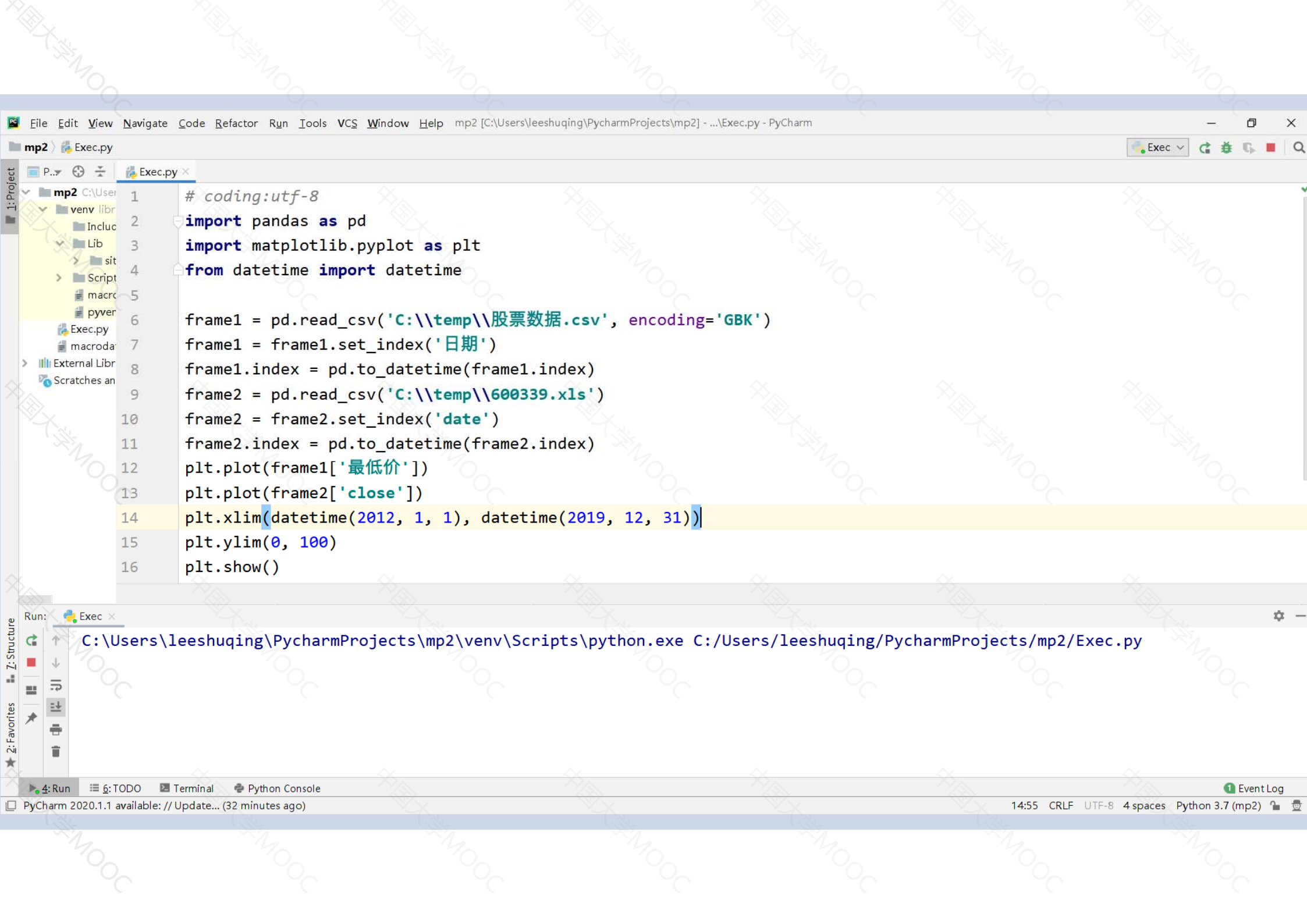


Figure 1





File Edit View Navigate Code Refactor Run Tools VCS Window Help mp2 [C:\Users\leeshuqing\PycharmProjects\mp2] - ...\Exec.py - PyCharm

mp2 Exec.py

Exec

1: Project

mp2 C:\User
venv libr
Includ
Lib
sit
Script
macro
pyver
Exec.py
macroda
External Libr
Scratches an

```
1 # coding:utf-8
2 import pandas as pd
3 import matplotlib.pyplot as plt
4 from datetime import datetime
5
6 frame1 = pd.read_csv('C:\\temp\\股票数据.csv', encoding='GBK')
7 frame1 = frame1.set_index('日期')
8 frame1.index = pd.to_datetime(frame1.index)
9 frame2 = pd.read_csv('C:\\temp\\600339.xls')
10 frame2 = frame2.set_index('date')
11 frame2.index = pd.to_datetime(frame2.index)
12 plt.plot(frame1['最低价'])
13 plt.plot(frame2['close'])
14 plt.xlim(datetime(2012, 1, 1), datetime(2019, 12, 31))
15 plt.ylim(0, 100)
16 plt.show()
```

Run: Exec

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

2: Structure
Z: Favorites

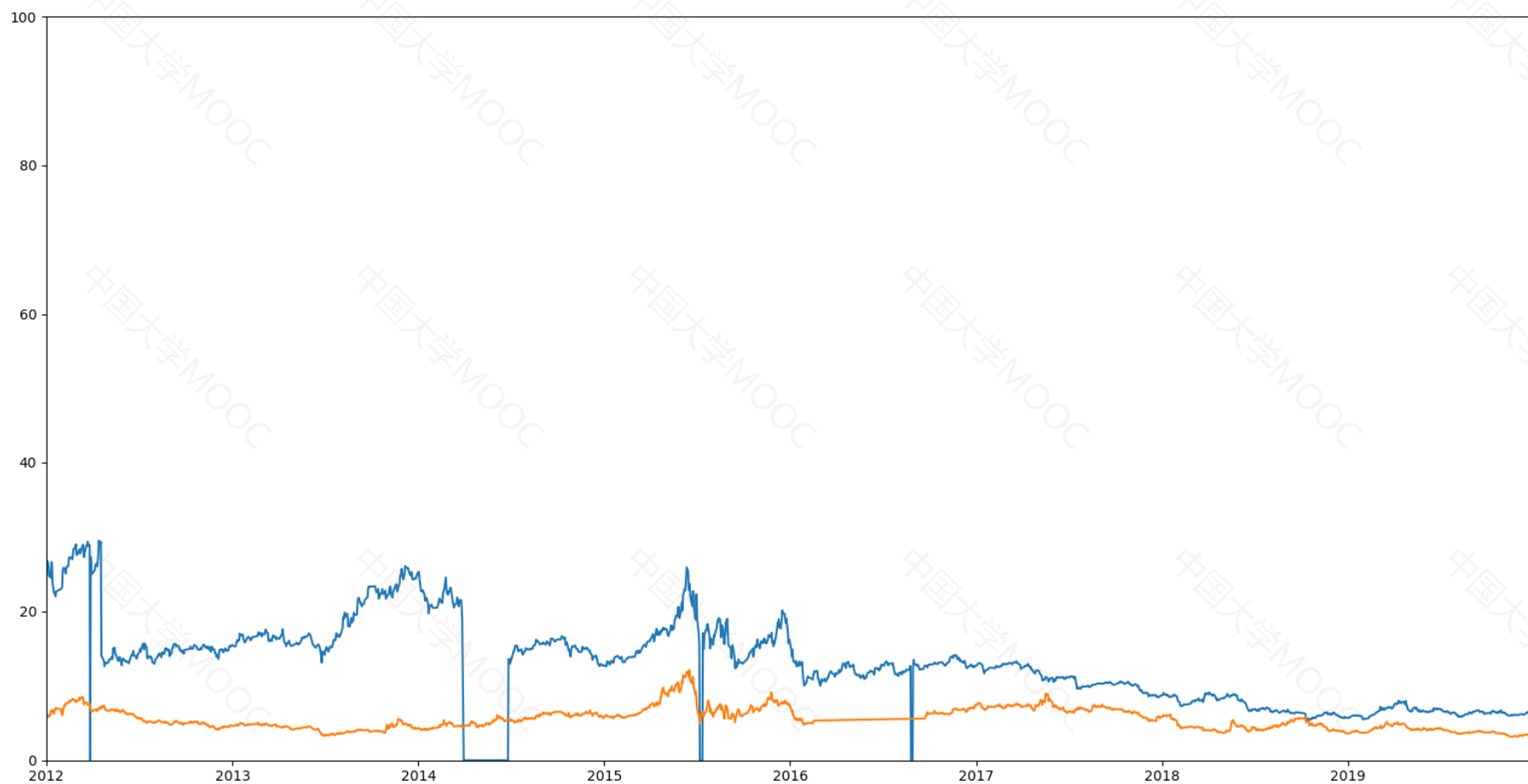
4: Run 6: TODO Terminal Python Console

1 Event Log

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14:55 CRLF UTF-8 4 spaces Python 3.7 (mp2)

Figure 1



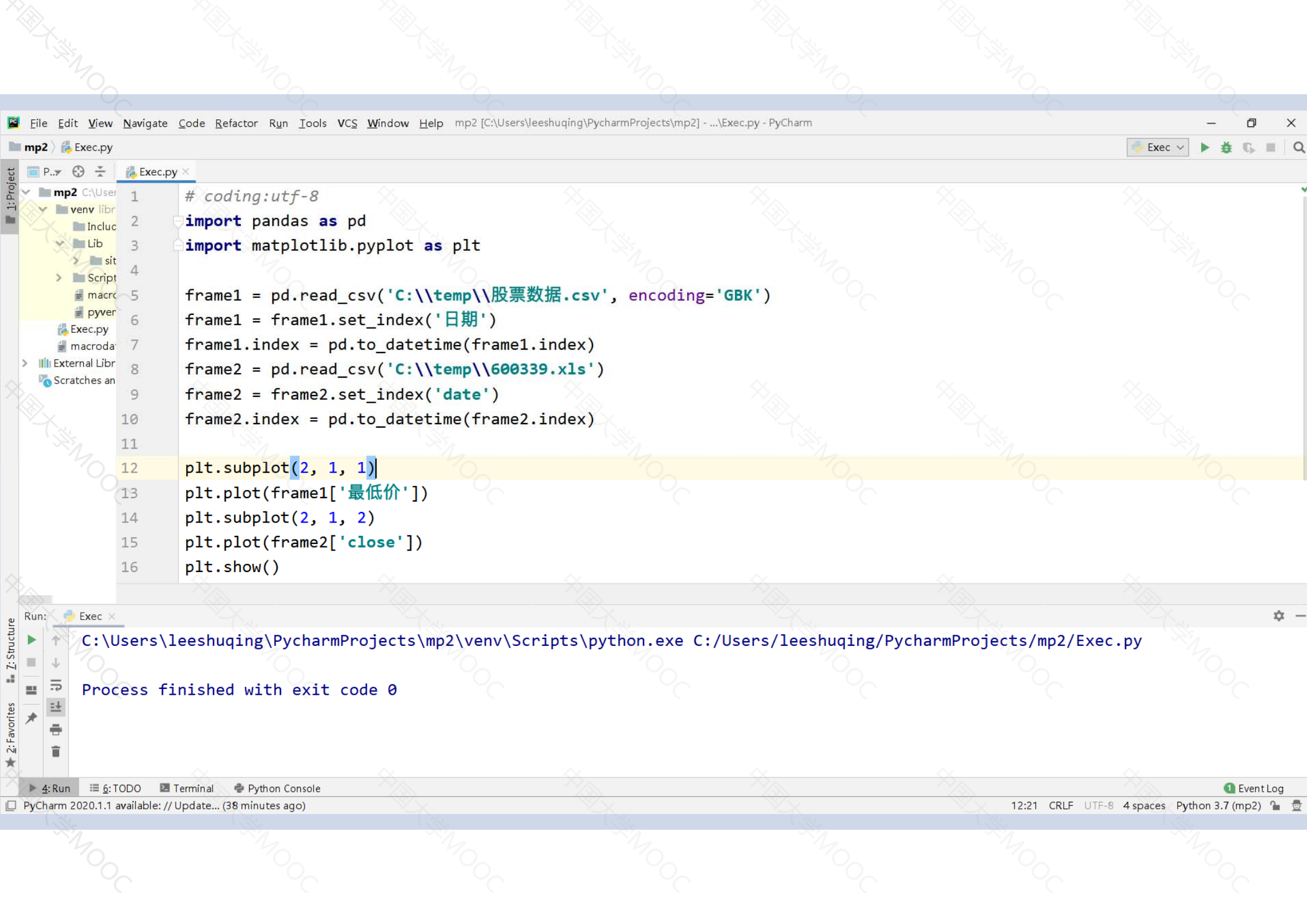
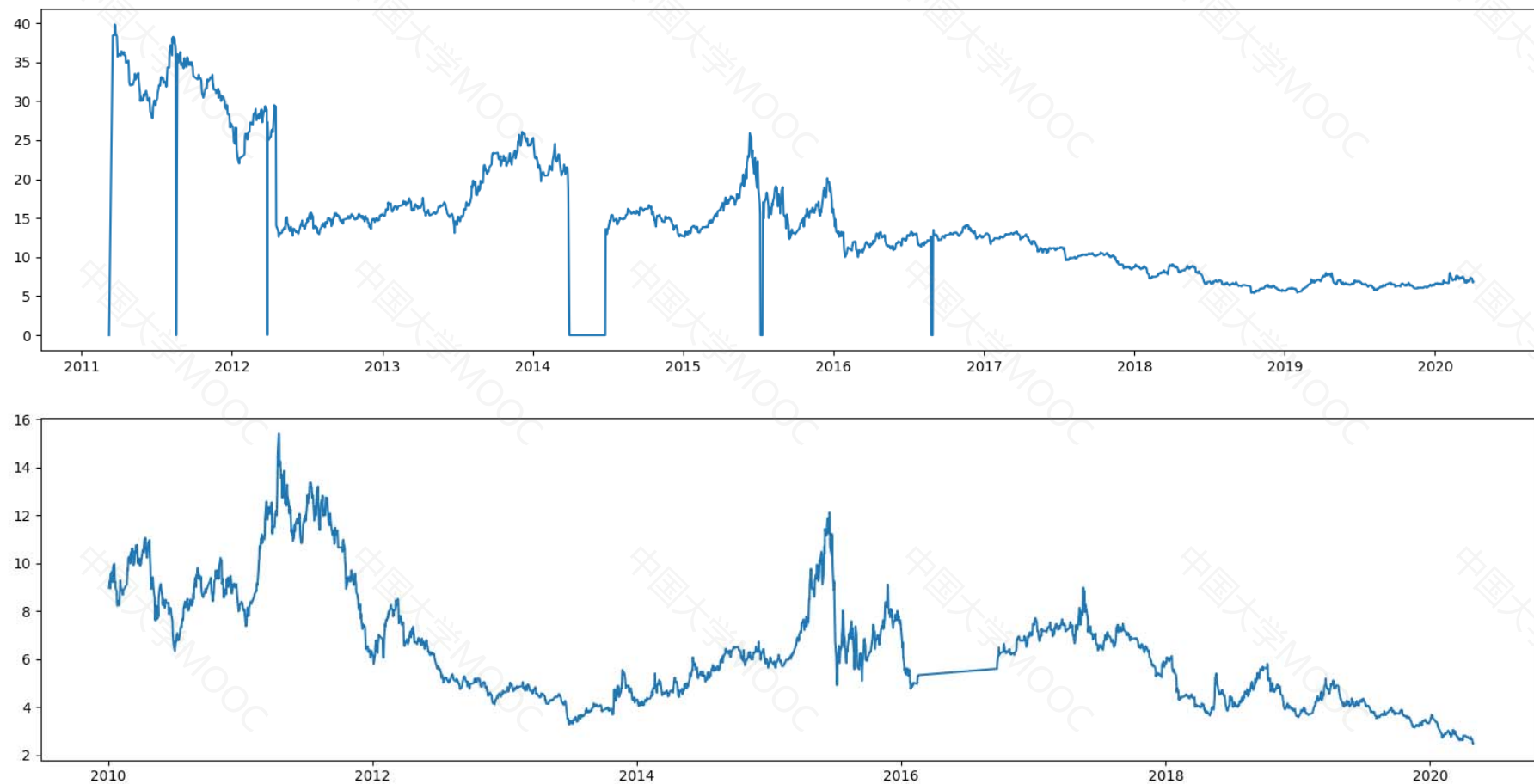


Figure 1



一次不学多，下次再学