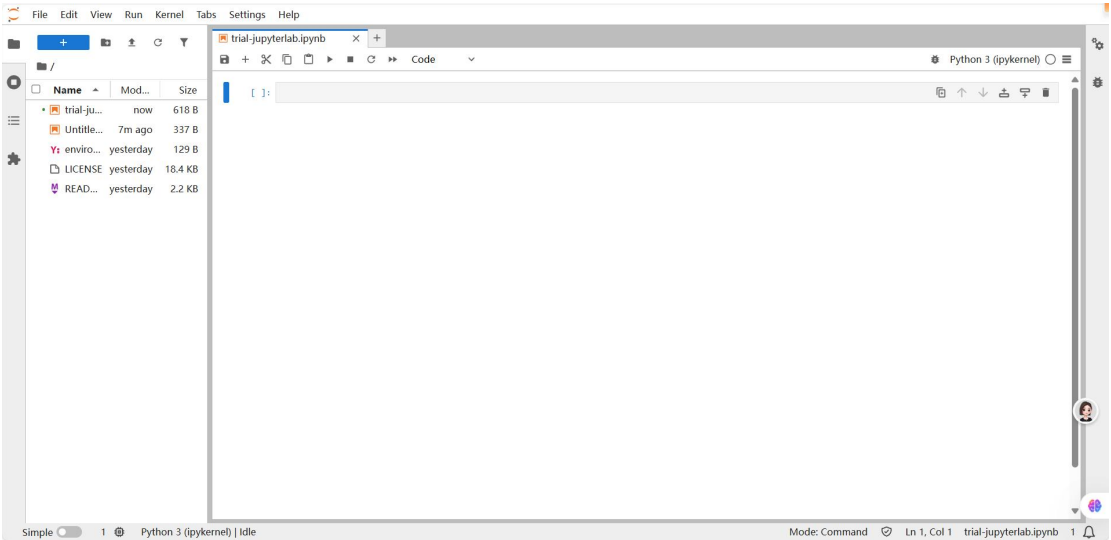
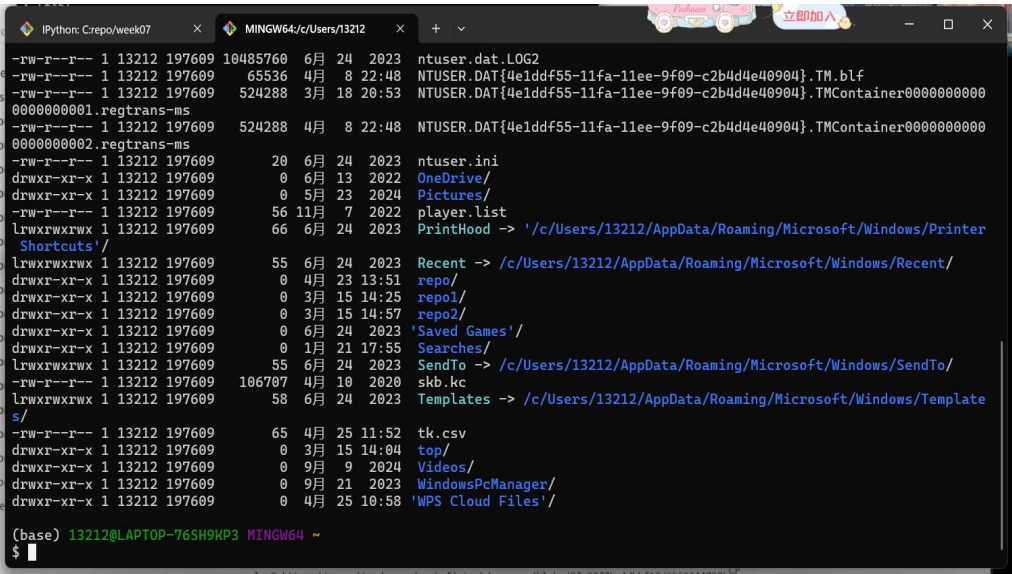


第七周 数据可视化与交互

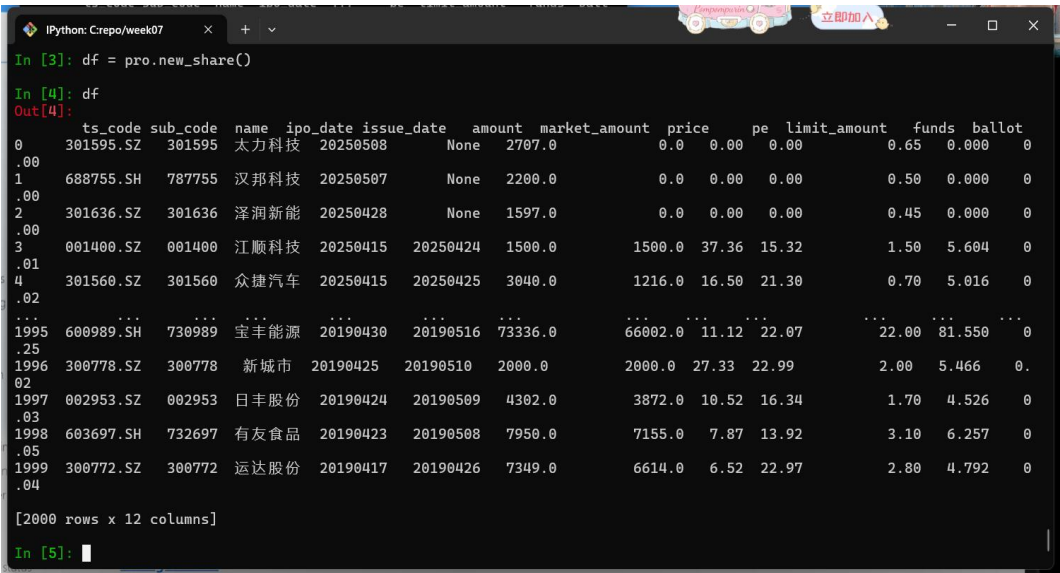
1. 成功进入 jupyter lab



2.成功下载 tushare



2.



File Edit View Run Kernel Tabs Settings Help

trial-perspective.ipynb

Python 3 (ipykernel)

Code

```
d2 = d2p1.read_parquet("stock_basic.parquet")
d2
```

[4]: shape: (5,415, 17)

ts_code	symbol	name	area	industry	fullname	enname	cnsPELL	market	exchange	curr_type	list_status	list_date	delist_date	is_hs	act
str	str	str	str	str	str	str	str	str	str	str	str	str	str	str	str
"000001.SZ"	"000001"	"平安银行"	"深圳"	"银行"	"平安银行股份有限公司"	"Ping An Bank Co., Ltd."	"payh"	"主板"	"SZSE"	"CNY"	"L"	"19910403"	null	"S"	"无"
"000002.SZ"	"000002"	"万科A"	"深圳"	"全国地产"	"万科企业股份有限公司"	"China Vanke Co., Ltd."	"wka"	"主板"	"SZSE"	"CNY"	"L"	"19910129"	null	"S"	"深民有售"
"000004.SZ"	"000004"	"国华网安"	"深圳"	"软件服务"	"深圳国华网安科技股份有限公司"	"Shenzhen Guohua Network Securi..."	"ghwa"	"主板"	"SZSE"	"CNY"	"L"	"19910114"	null	"N"	"无"
"000006.SZ"	"000006"	"深振业A"	"深圳"	"区域地产"	"深圳市振业(集团)股份有限公司"	"Shenzhen Zhenye(Group) Co., LL..."	"szya"	"主板"	"SZSE"	"CNY"	"L"	"19920427"	null	"S"	"深民有售"

Simple 2 Python 3 (ipykernel) | Idle Mode: Edit Ln 1, Col 1 trial-perspective.ipynb

## 开始使用 perspective

[21]:

untitled 2,000 x 13

index	ts_code	sub_code	name	ipo_date	issue_date	amount	market_amount	price	pe
edit	edit	edit	edit	edit	edit	edit	edit	edit	edit
536	688432.SH	787432	有研硅	2022/11/1 08:00:00	2022/11/10 08:00:00	18,714.00	4,086.00	9.91	91.53
537	833914.BJ	889111	远航精密	2022/10/31 08:00:00	2022/11/11 08:00:00	2,500.00	2,000.00	16.20	19.99
538	301359.SZ	301359	东南电子	2022/10/31 08:00:00	2022/11/9 08:00:00	2,146.00	1,041.00	20.84	32.54
539	832876.BJ	889288	慧为智能	2022/10/27 08:00:00	2022/11/9 08:00:00	1,630.00	1,316.00	8.00	19.33
540	688419.SH	787419	耐科装备	2022/10/27 08:00:00	2022/11/7 08:00:00	2,050.00	779.00	37.85	68.87
541	603280.SH	732280	南方路机	2022/10/27 08:00:00	2022/11/8 08:00:00	2,710.00	2,439.00	23.75	18.37
542	301267.SZ	301267	华夏眼科	2022/10/24 08:00:00	2022/11/7 08:00:00	6,000.00	2,340.00	50.88	59.86
543	301388.SZ	301388	欣灵电气	2022/10/24 08:00:00	2022/11/9 08:00:00	2,561.00	1,242.00	25.88	37.86
544	301230.SZ	301230	泓博医药	2022/10/19 08:00:00	2022/11/1 08:00:00	1,925.00	837.00	40.00	43.78

Datagrid

Group By

Split By

Order By

Where

Columns

# index

File Edit View Run Kernel Tabs Settings Help

trial-perspective.ipynb

Python 3 (ipykernel)

Code

```
widget2 = PerspectiveWidget(d2_pandas)
# 如果在 Jupyter 环境中, 展示这个 widget
widget2
```

[23]:

untitled 5 (1,415) x 18

	index	ts_code	symbol	name	area	industry	fullname	enname	cnsPELL	market	exchange	curr_type	list_s
	edit	edit	edit	edit	edit	edit	edit	edit	edit	edit	edit	edit	edit
TOTAL	14,658,405	5,415	5,415	5,415	5,415	5,415	5,415	5,415	5,415	5,415	5,415	5,415	5,415
主板	7,433,465	3,183	3,183	3,183	3,183	3,183	3,183	3,183	3,183	3,183	3,183	3,183	3,183
创业板	3,006,437	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381
北交所	1,362,969	265	265	265	265	265	265	265	265	265	265	265	265
科创板	2,855,534	586	586	586	586	586	586	586	586	586	586	586	586

Datagrid

Group By

Split By

Order By

Where

Columns

# sum index

# count ts\_code

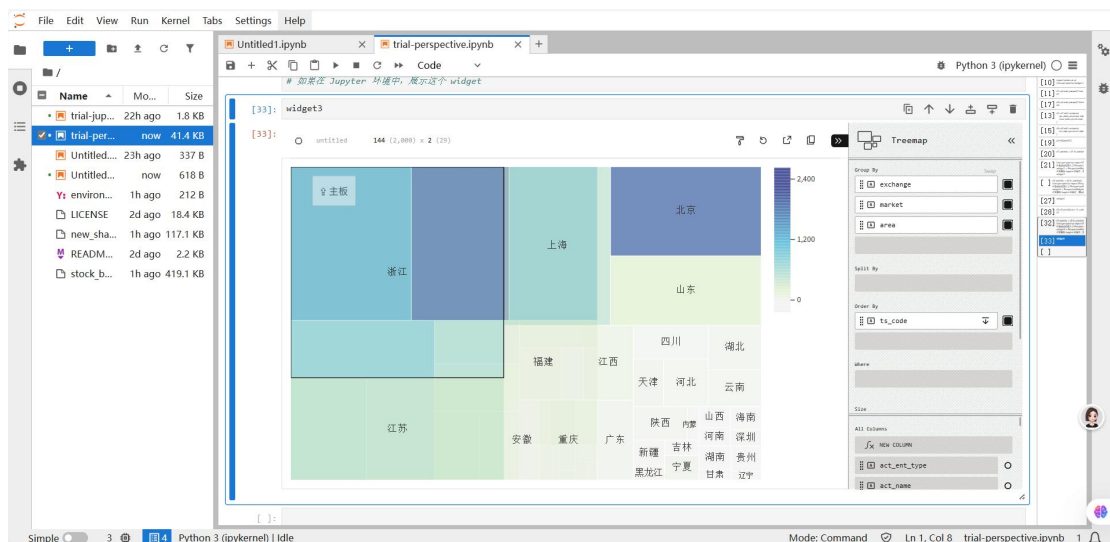
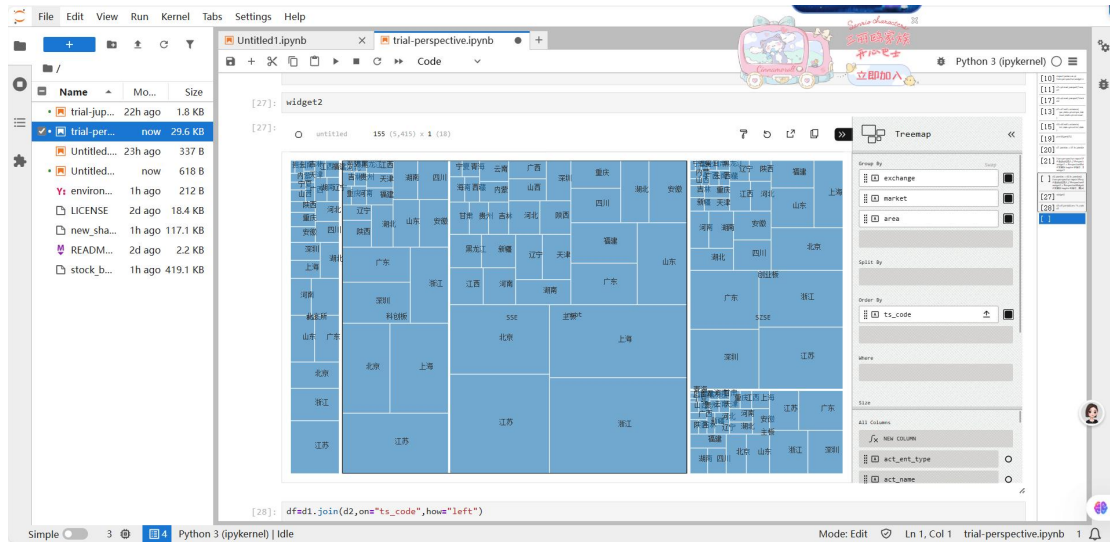
# count symbol

# count name

# count area

# count industry

# count fullname



折线图，柱状图，散点图

