

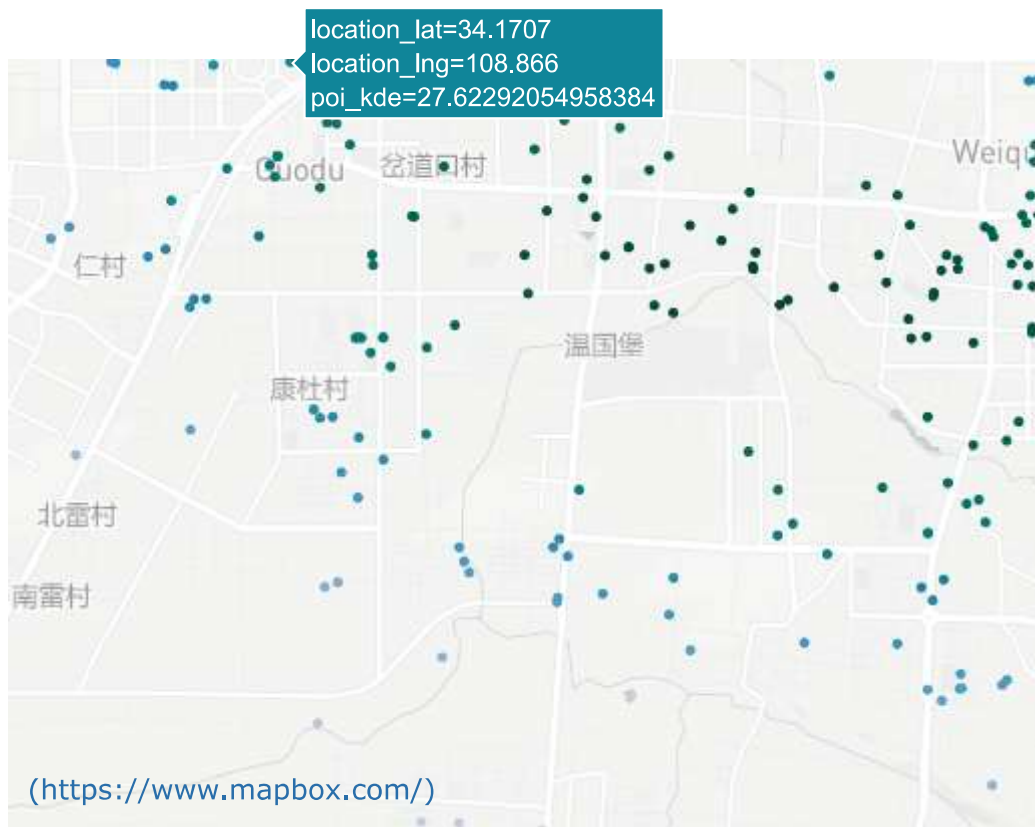
In [1]:

```

import pandas as pd
from scipy import stats
import plotly.express as px
import matplotlib
import math
poi_gpd=pd.read_pickle('C:\\Users\\55467\\Desktop\\lfx.pkl') #读取已经存储为.pkl格式的POI数据，其中
poi_gpd.plot(marker=".", markersize=5)
poi_coordinates=poi_gpd[['location_lng', 'location_lat']].to_numpy().T #根据stats.gaussian_kde()输入
poi_coordi_kernel=stats.gaussian_kde(poi_coordinates) #核密度估计
poi_gpd['poi_kde']=poi_coordi_kernel(poi_coordinates)
poi_gpd.shopinfo=poi_gpd.shopinfo.fillna(0)
mapbox_token='pk.eyJJIjoicmljaGl1YmFvIiwiaSI6ImNrYjB3N2NyMzB1MG8yc254dTRzNnMyeHMifQ.QT7MdjQKs9Y60taJ
px.set_mapbox_access_token(mapbox_token)
fig=px.scatter_mapbox(poi_gpd, lat=poi_gpd.location_lat, lon=poi_gpd.location_lng, color='poi_kde', co

fig.show()
poi_gpd.head()

```



Out[1]:

	photo_url	location_lng	location_lat	scene	scene_id	townName	Unnamed: 6	
0		108.976583	34.129871	杜曲新村甲子2号	B0HA6B5MQQ	NaN	NaN	183**
1		109.107181	34.073389		B0H64YGNCV	NaN	NaN	
2		109.044848	34.127756	东庞路	B0FFL8E2HA	NaN	NaN	134**
3		109.049384	34.134012	大兆北街大兆北街社区家门口派出所东北侧约90米	B0FFM4LEFX	NaN	NaN	139**
4		109.029413	34.143376	X113(雁引路)	B0FFM21P20	NaN	NaN	

```
C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:23
8: RuntimeWarning:

Glyph 26597 missing from current font.

C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:23
8: RuntimeWarning:

Glyph 35810 missing from current font.

C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:23
8: RuntimeWarning:

Glyph 20851 missing from current font.

C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:23
8: RuntimeWarning:

Glyph 38190 missing from current font.
```

```
C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:20: RuntimeWarning:
```

Glyph 26426 missing from current font.

```
C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:20: RuntimeWarning:
```

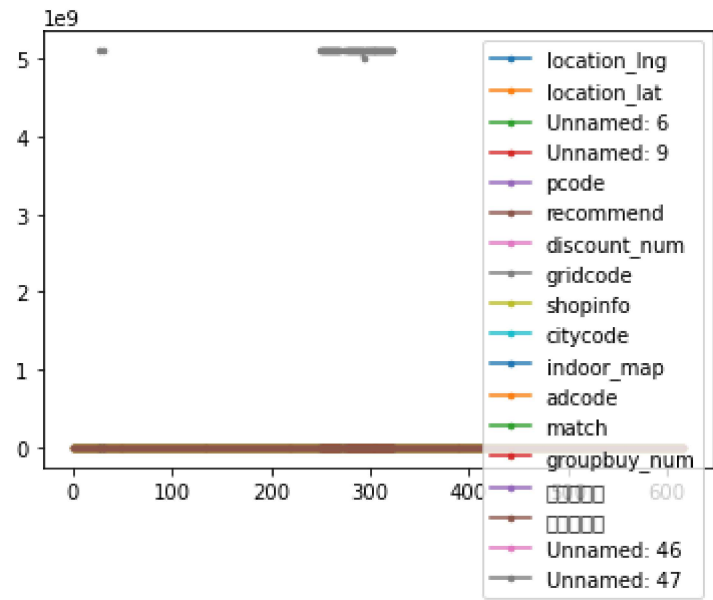
Glyph 21495 missing from current font.

```
C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:20: RuntimeWarning:
```

Glyph 35782 missing from current font.

```
C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:20: RuntimeWarning:
```

Glyph 21035 missing from current font.



In [ ]: