

In [2]:

```

import pandas as pd
from scipy import stats
import plotly.express as px
import matplotlib
import math
poi_gpd=pd.read_pickle('C:\\Users\\97505\\Desktop\\999.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.eyJIIjoicmljaGl1YmFvIiwiaSI6ImNrYjB3N2NyMzBlMG8yc254dTRzNnMyeHMifQ.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 [2]:

	photo_url	location_lng	location_lat	scene	scene_id	pname	cityname
0	[[{'title': [], 'url': 'http://store.is.autonav...'}]]	108.970027	34.246212	小师傅爆肚面(太乙路店)	B0H35S1X5W	陕西省	西安市
1	[[[]]]	108.962480	34.242780	小食光休闲下午茶	B0H2YLVY3Z	陕西省	西安市
2	[[[]]]	108.974353	34.246215	蘸水裤带面(建东街店)	B0FFHM98EI	陕西省	西安市
3	[[[]]]	108.965988	34.246946	食面者手擀面	B0H26U1B9T	陕西省	西安市
4	[[[]]]	108.968880	34.245793	蜜桃里奶茶(安东街店)	B0H1XR5R11	陕西省	西安市

C:\Users\97505\anaconda3\lib\site-packages\matplotlib\backends\backend_agg.py:238: RuntimeWarning:

Glyph 26597 missing from current font.

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Glyph 35810 missing from current font.

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Glyph 20851 missing from current font.

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Glyph 26426 missing from current font.

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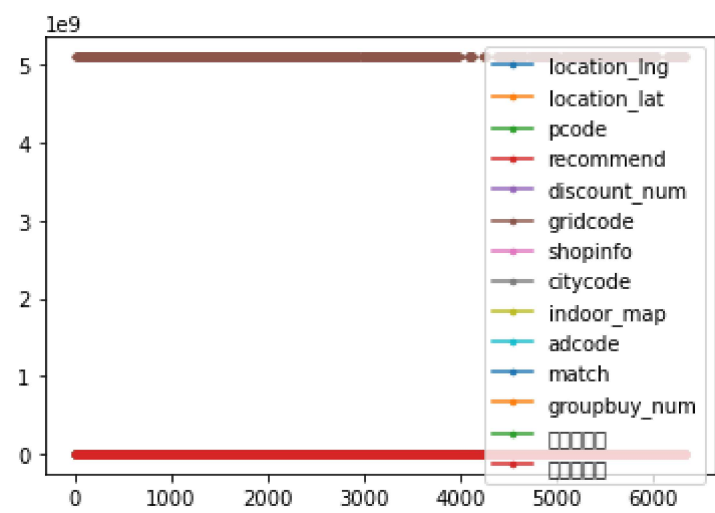
Glyph 21495 missing from current font.

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