3.3_5

2021 年 12 月 20 日

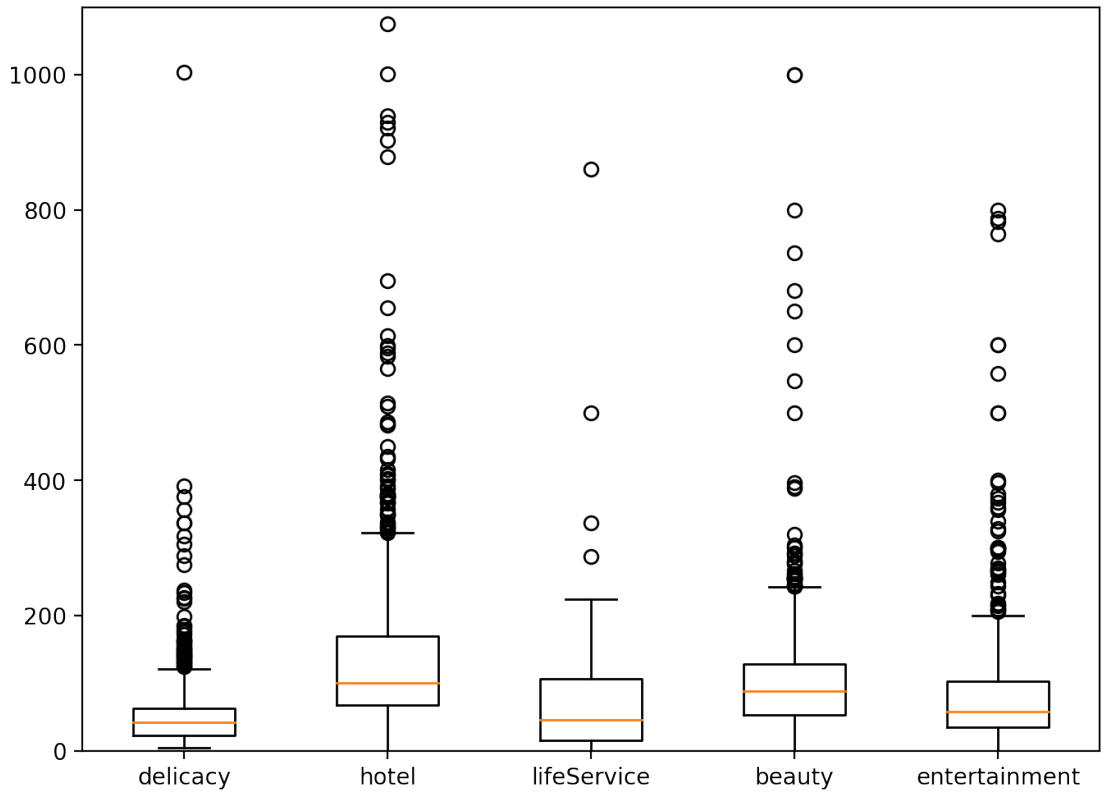
1 西安各行业价格分析

[11]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
from scipy import stats
poi_gpd=pd.read_pickle('../data/poiAll_gpd.pkl') # 读取已经存储为.pkl 格式的 POI
数据，其中包括 geometry 字段，为 GeoDataFrame 地理信息数据，可以通过 poi_gpd.
↪plot() 迅速查看数据。

df = poi_gpd.reset_index()
df = df.dropna(subset = ['detail_info_price'],axis =0) # 删除缺省值
df_1 = df[df.level_0 == 'poi_0_delicacy']
df_2 = df[df.level_0 == 'poi_1_hotel']
df_3 = df[df.level_0 == 'poi_3_lifeService']
df_4 = df[df.level_0 == 'poi_4_beauty']
df_5 = df[df.level_0 == 'poi_6_entertainment']
```

[29]:
```
all_data=[]
all_data.append(df_1.detail_info_price)
all_data.append(df_2.detail_info_price)
all_data.append(df_3.detail_info_price)
all_data.append(df_4.detail_info_price)
all_data.append(df_5.detail_info_price)

fig = plt.figure(figsize = (8,6), dpi = 200)
plt.boxplot(all_data)
plt.ylim(0,1100)
```

```
xticklabels=['delicacy', 'hotel', 'lifeService', 'beauty', 'entertainment']
plt.xticks(range(1,6),xticklabels)
```

[29]:
```
([<matplotlib.axis.XTick at 0xcc52c18>,
  <matplotlib.axis.XTick at 0xb9ce2e8>,
  <matplotlib.axis.XTick at 0xcc5c860>,
  <matplotlib.axis.XTick at 0xcc77cc0>,
  <matplotlib.axis.XTick at 0xcc79cf8>],
 <a list of 5 Text xticklabel objects>)
```



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