notebook

April 19, 2023

Laiba's Notebook

APRIL 19, 2023

[1]:
```
import pandas as pd
import numpy as np

# load data
center_attendance_pandas = pd.read_csv("courts.csv") # use the column named _id␣
↪as the row index
center_attendance_pandas['neighborhood'].value_counts()
```

[1]:
```
Squirrel Hill South      26
Highland Park            20
Hazelwood                10
Beltzhoover               9
Brookline                 9
                         ..
Marshall-Shadeland        1
Central Lawrenceville     1
Hays                      1
Bon Air                   1
Larimer                   1
Name: neighborhood, Length: 63, dtype: int64
```

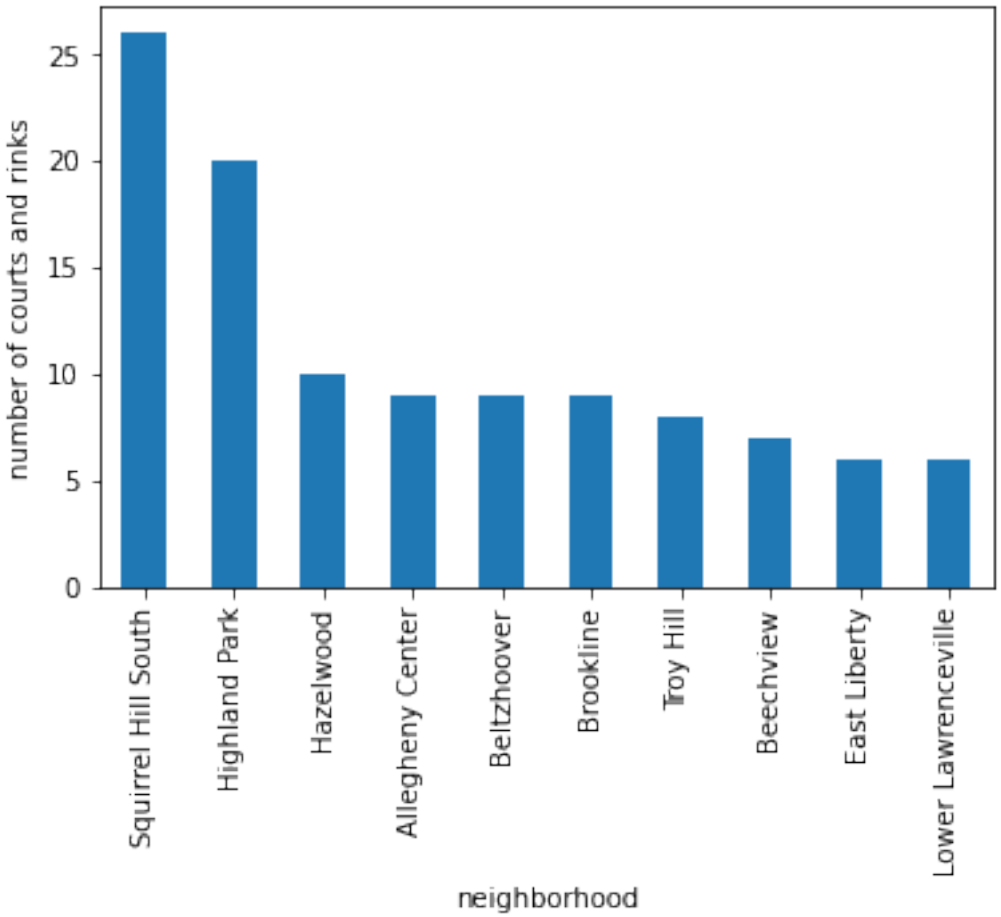
[2]:
```
import pandas as pd
import matplotlib.pyplot as plt

# read the CSV file into a pandas DataFrame
df = pd.read_csv('courts.csv')

# group the data by street name and count the number of stores
store_counts = df.groupby('neighborhood')['name'].count().nlargest(10)

# plot the store counts as a bar chart
store_counts.plot(kind='bar', xlabel='neighborhood', ylabel='number of courts␣
↪and rinks')
```

```
# show the plot
plt.show()
```



We are trying to measure how many courts and rinks there are in each neighboorhood in Pittsburgh for this dataset. The best neighborhood is Squirrel Hill South with 26 courts and rinks.