The Battle of Neighborhoods

Collecting data

```
[82] dsToronto = pd.read_csv('sample_data/torontoCodPostalList.csv')
     dsToronto = dsToronto[dsToronto['Borough'] != 'Not assigned']
     dsToronto.head()
```

	Postal Code	Borough	Neighborhood
2	M3A	North York	Parkwoods
3	M4A	North York	Victoria Village
4	M5A	Downtown Toronto	Regent Park, Harbourfront
5	M6A	North York	Lawrence Manor, Lawrence Heights
6	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government

Detecting missing values

```
[87] # There is no missing values
     toronto_data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 39 entries, 0 to 38
Data columns (total 5 columns):
 #   Column        Non-Null Count  Dtype  
---  ------        --------------  -----  
 0   Postal Code   39 non-null     object 
 1   Borough       39 non-null     object 
 2   Neighborhood  39 non-null     object 
 3   Latitude      39 non-null     float64
 4   Longitude     39 non-null     float64
dtypes: float64(2), object(3)
memory usage: 1.6+ KB
```

Categorizing data

	Yoga Studio	Airport	Airport Food Court	Airport Gate	Airport Lounge	Airport Service	Airport Terminal	American Restaurant	Antique Shop	Aquarium	Art Gallery	Art Museum	Arts & Crafts Store	Asian Restaurant	Auto Workshop	BBQ Joint	Baby Store	Bagel Shop	Bakery	Bank	Bar	B
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Getting common values

```
[103] toronto_merged['1st Most Common Venue'].value_counts()
```

```
Café                   11
Coffee Shop             7
Park                    4
Trail                   3
Restaurant              1
Airport Service         1
Gay Bar                 1
Pharmacy                1
Mexican Restaurant      1
Dessert Shop            1
Garden Center           1
Garden                  1
Grocery Store           1
Gastropub               1
Clothing Store          1
Greek Restaurant        1
Bar                     1
Gift Shop               1
Name: 1st Most Common Venue, dtype: int64
```