

## The Battle of Neighborhoods (Week 1) - PVR – Burger Shop - Anil Singh

### Data section:

To start with we have used data Wikipedia page “PVR Cinemas” and only considered Mumbai locations movie theatres.

```
: 1 #Get the html source
2 html = wp.page("PVR Cinemas").html().encode("UTF-8")
3 df = pd.read_html(html)[2]
4 #df.to_csv('beautifulsoup_pandas.csv',header=0,index=False)
5 df.head()
```

	State or territory	City	Theatre name	Theatre locality	Number of screens
0	National Capital Region (India)	Delhi	PVR Priya	Vasant Vihar	01
1	National Capital Region (India)	Delhi	PVR Rivoli	Connaught Place	01
2	National Capital Region (India)	Delhi	PVR Shalimar Bagh	Shalimar Bagh	04
3	National Capital Region (India)	Delhi	PVR Prashant Vihar	Rohini	03
4	National Capital Region (India)	Delhi	PVR Select Citywalk ( IMAX & Gold)	Saket	03

```
In [4]: 1
2 df = pd.DataFrame()
3 df['MumbaiVenue'] =df_Mumbai['Theatre locality']
4 df
5
```

Out[4]:

	MumbaiVenue
106	Juhu
107	Mulund
108	Goregaon
109	Lower Parel
110	Kurla
111	Andheri
112	Panvel
113	Kandivali West
114	Dombivli

Capture the geo location for PVR Mumbai theatres using <http://nominatim.openstreetmap.org>.

	MumbaiVenue	Latitude	Longitude
106	Juhu	19.107021	72.827528
107	Mulund	19.172290	72.956469
108	Goregaon	19.164753	72.850018
109	Lower Parel	19.002988	72.830322
110	Kurla	19.062995	72.884714
111	Andheri	19.120371	72.848043
112	Panvel	18.989525	73.122193
113	Kandivali West	19.208380	72.842227
114	Dombivli	19.232921	73.032295

Started study for Venues nearby locality office location, Burger Joints, Other movie theatres, Nearby college university to find the cost effective location for opening Burger Shop. Using Foursquare API.

```

1 map_pvr_burger = folium.Map(location=[latitude, longitude], zoom_start=12)
2 addToMap(mumbai_pvr_burger, 'red', map_pvr_burger)
3 map_pvr_burger

```

