

Clustering of Pune Metro Line -1 Neighbourhood's

Data

The official website of Pune Metro is <http://punemetrorail.org/> . The name of the metro stations will be sourced from the website.

```
from bs4 import BeautifulSoup
import requests
import pandas as pd
web_url = requests.get('http://punemetrorail.org/').text
soup=BeautifulSoup(web_url,features="html5lib")
#soup.prettify()
```

Thereafter , we will manually load a flat file with the location co-ordinates of the metro stations.

```
## Let us load the Latitude and Longitudes of only Line 1 stations.
latlon = pd.read_csv("Line1Metrostations.csv")
latlon.head()
```

	Station	latitude	longitude
0	PCMC	18.598609	73.797170
1	Sant Tukaram Nagar	18.622561	73.820851
2	Bhosari(Nashik Phata)	18.611349	73.823623
3	Kasarwadi	18.606410	73.821294
4	Phugewadi	18.590464	73.831599

As per the requirement we have used the Foursquare location data to get the venues around the metro stations.