DATASETS

Finding open datasets now becomes easier than before, we used one dataset provided by Dubai government and another one found on Github.com then we used a public API from Foursquare.com.

1. DUBAI NEIGHBORHOODS DATASET

ABOUT DATASET

A dataset which contains neighborhood name along with its latitude and longitude.

SOURCE

Github.com

SAMPLE RESPONSE

	name	categories	lat	lng
0	The Greens الروضة	Neighborhood	25.092828	55.170851
1	Nad Al Sheba 2 ند الشبا	Neighborhood	25.160512	55.346228
2	Burj Al Arab Open Beach	Beach	25.147411	55.193854
3	Arabian Ranches 2	Neighborhood	25.035080	55.267104
4	Nadd AlHammar Park	Park	25.201799	55.380516

2. DUBAI METRO STATIONS DATASET

ABOUT DATASET

A dataset which contains metro stations name and metro line along with its latitude and longitude.

SOURCE

SAMPLE RESPONSE

:

	station	line_name	longtude	latitude
0	World Trade Centre Metro Station	Red Metro Line	55.285061	25.224829
1	Emirates Towers Metro Station	Red Metro Line	55.279821	25.217214
2	Financial Centre Metro Station	Red Metro Line	55.275587	25.211030
3	Burj Khalifa/ Dubai Mall Metro Station	Red Metro Line	55.269518	25.201401
4	Business Bay Metro Station	Red Metro Line	55.260419	25.191275

3.NEARBY VENUES API

ABOUT API

Returns a list of recommended venues near the current location.

SOURCE

Foursquare.com

SAMPLE RESPONSE

```
{
    "meta":{
        "code":200,
        "requestId":"5ac51ef86a607143de8eg5cb"
    },
    "response":{
        "warning":{
            "text":"There aren't a lot of results near you. Try somethin
g more general, reset your filters, or expand the search area."
        },
        "suggestedRadius":600,
```

```json
      "headerLocation":"Lower East Side",
      "headerFullLocation":"Lower East Side, New York",
      "headerLocationGranularity":"neighborhood",
      "totalResults":230,
      "suggestedBounds":{
         "ne":{
            "lat":40.724216906965616,
            "lng":-73.9896507407283
         },
         "sw":{
            "lat":40.72151724718017,
            "lng":-73.98693222860872
         }
      },
      "groups":[
         {
             "type":"Recommended Places",
             "name":"recommended",
             "items":[
                {
                   "reasons":{
                      "count":0,
                      "items":[
                         {
                             "summary":"This spot is popular",
                             "type":"general",
                             "reasonName":"globalInteractionReason"
                         }
                      ]
                   },
                   "venue":{
                      "id":"49b6e8d2f964a52016531fe3",
                      "name":"Russ & Daughters",
                      "location":{
                         "address":"179 E Houston St",
                         "crossStreet":"btwn Allen & Orchard St",
                         "lat":40.72286707707289,
                         "lng":-73.98829148466851,
                         "labeledLatLngs":[
                            {
                                "label":"display",
                                "lat":40.72286707707289,
                                "lng":-73.98829148466851
                            }
```

```
                                ],
                                "distance":130,
                                "postalCode":"10002",
                                "cc":"US",
                                "city":"New York",
                                "state":"NY",
                                "country":"United States",
                                "formattedAddress":[
                                    "179 E Houston St (btwn Allen & Orchard St
)",
                                    "New York, NY 10002",
                                    "United States"
                                ]
                            },
                            "categories":[
                                {
                                    "id":"4bf58dd8d48988d1f5941735",
                                    "name":"Gourmet Shop",
                                    "pluralName":"Gourmet Shops",
                                    "shortName":"Gourmet",
                                    "icon":{
                                        "prefix":"https://ss3.4sqi.net/img/cate
gories_v2/shops/food_gourmet_",
                                        "suffix":".png"
                                    },
                                    "primary":true
                                }
                            ],
                            "popularityByGeo":0.9999983845502491,
                            "venuePage":{
                                "id":"77298563"
                            }
                        }
                    }
                ]
            }
        ]
    }
}
```