

Individual Assignment - data exploration

October 18, 2020

```
[1]: import geopandas as gpd
```

```
[ ]: #Importing geopandas allows you to read shapfiles. Geopandas program has  
↪ already been imported
```

```
[10]: parks = gpd.read_file ('../data/RAP_PARKS_PLY2.csv')
```

```
[ ]: # Make sure you know the location of your folder and how many levels "up" to go
```

```
[11]: type (parks)
```

```
[11]: geopandas.geodataframe.GeoDataFrame
```

```
[13]: parks.head ()
```

```
[13]:
```

		the_geom	OBJECTID	\
0	MULTIPOLYGON	(((-118.29795640257868 34.0616181...	1	
1	MULTIPOLYGON	(((-118.20109825760832 34.1013378...	2	
2	MULTIPOLYGON	(((-118.29285760206929 33.7459987...	3	
3	MULTIPOLYGON	(((-118.31503614097477 34.0523195...	4	
4	MULTIPOLYGON	(((-118.24221423669567 33.9394473...	5	

	Address	Name	geometry
0	3400 Wilshire blvd	Robert F Kennedy Inspiration Park	None
1	4702 N. Figueroa St	SYCAMORE GROVE PARK	None
2	351 N. Gaffey St.	San Pedro Welcome Park	None
3	1015 S.Wilton PL	WILTON PLACE PARK	None
4	1780 E.Santa Ana Blvd	WATTS CULTURAL CRESCENT	None

```
[ ]: #head command shows you what the data looks like
```

```
[14]: parks.info ()
```

```
<class 'geopandas.geodataframe.GeoDataFrame'>
RangeIndex: 510 entries, 0 to 509
Data columns (total 5 columns):
#   Column      Non-Null Count  Dtype
---  -

```

```
0   the_geom  510 non-null  object
1   OBJECTID  510 non-null  object
2   Address   510 non-null  object
3   Name      510 non-null  object
4   geometry  0 non-null   geometry
dtypes: geometry(1), object(4)
memory usage: 20.0+ KB
```

```
[15]: parks.shape
```

```
[15]: (510, 5)
```

```
[ ]: #shows you what the table looks like
```

```
[16]: parks.columns.to_list()
```

```
[16]: ['the_geom', 'OBJECTID', 'Address', 'Name', 'geometry']
```

```
[ ]: # lists the column names
```

```
[20]: parks.Name
```

```
[20]: 0      Robert F Kennedy Inspiration Park
      1      SYCAMORE GROVE PARK
      2      San Pedro Welcome Park
      3      WILTON PLACE PARK
      4      WATTS CULTURAL CRESCENT
      ...
      505     VERNON BRANCH LIBRARY POCKET PARK
      506     YORK BLVD POCKET PARK
      507     HOOVER RECREATION CENTER
      508     OLD FIRE STATION 84 POCKET PARK
      509     FOX AND LAUREL CANYON PARK
      Name: Name, Length: 510, dtype: object
```

```
[ ]:
```