CONTENT

- Introduction & business problem
- Data
- Methodology
- Results
- Discussion
- Conclusion

INTRODUCTION & BUSINESS PROBLEM

- One of the main problems when you decided to move to a new city to start a new life is where to find good neighborhoods. There are a whole host of things that need to be considered such as healthcare systems, safety and affordable housing price. A good community will be one of enough healthcare services, low rate of crime and affordable housing price. Throughout this report, we are going to analysis and visualize some community in Chicago. And finally, this report will give a great insight for people who are considering to relocate to Chicago for helping them to make the decision.

- The main purpose of this report is going to figure out what are the best living places in Chicago in terms of good healthcare systems, affordable housing price and low rate of crime.

DATA - 1

	ID	CASE_NUMBER	DATE	BLOCK	IUCR	PRIMARY_TYPE	DESCRIPTION	LOCATION_DESCRIPTION	ARREST	DOMESTIC	...	WARD
0	3512276	HK587712	08/28/2004 05:50:56 PM	047XX S KEDZIE AVE	890	THEFT	FROM BUILDING	SMALL RETAIL STORE	False	False	...	14.0
1	3406613	HK456306	06/26/2004 12:40:00 PM	009XX N CENTRAL PARK AVE	820	THEFT	$500 AND UNDER	OTHER	False	False	...	27.0
2	8002131	HT233595	04/04/2011 05:45:00 AM	043XX S WABASH AVE	820	THEFT	$500 AND UNDER	NURSING HOME/RETIREMENT HOME	False	False	...	3.0
3	7903289	HT133522	12/30/2010 04:30:00 PM	083XX S KINGSTON AVE	840	THEFT	FINANCIAL ID THEFT: OVER $300	RESIDENCE	False	False	...	7.0
4	10402076	HZ138551	02/02/2016 07:30:00 PM	033XX W 66TH ST	820	THEFT	$500 AND UNDER	ALLEY	False	False	...	15.0

5 rows × 22 columns

Data – 1: Crimes - 2001 to present
This dataset reflects reported incidents of crime

	Site Name	Clinic Type	Site Number	Hours of Operation	Street Address	City	State	ZIP	Phone 1	Phone 2	...	Phone 5	Fax	Public Health Nursing
0	Austin STI Specialty Clinic	STI Specialty Clinic	NaN	Mon and Wed: 8:00 a.m. - 4:00 p.m.; Tues: 9:00...	4909 W. Division St., Suite 411	Chicago	IL	60651	312-746-4871	NaN	...	NaN	312-746-4637	NaN
1	Englewood MHC	Mental Health Clinic	NaN	Mon - Fri: 8:30 a.m. – 4:30 p.m.	641 W. 63rd St	Chicago	IL	60621	312-747-7496	NaN	...	NaN	NaN	NaN
2	Englewood STI Specialty Clinic	STI Specialty Clinic	NaN	Mon, Wed & Fri: 8:00 a.m. - 4:00 p.m.; Tues & ...	641 W. 63rd St., Lower Level	Chicago	IL	60621	312-747-8900	NaN	...	NaN	312-747-0292	NaN
3	Greater Grand/MID-South MHC	Mental Health Clinic	NaN	Mon - Fri: 8:30 a.m. – 4:30 p.m.	4314 S. Cottage Grove	Chicago	IL	60653	312-747-0036	NaN	...	NaN	NaN	NaN
4	Alivio Medical Center	WIC Clinic	106.0	Mon, Tues, Thurs & Fri: 8:00 a.m. - 4:30 p.m.;...	2355 S. Western Ave.	Chicago	IL	60608	773-843-4220	773-650-1205	...	NaN	773-650-1232	NaN

5 rows × 22 columns

Data – 2: Chicago Department of Public Health Clinic Locations
This dataset reflects reported incidents of crime

	Community Area Name	Community Area Number	Property Type	Property Name	Address	Zip Code	Phone Number
0	Portage Park	15	ARO	4812-15 W. Montrose Apts.	4812-15 W. Montrose Ave.	60641	630-694-6968
1	West Englewood	67	Multifamily	New West Englewood Homes	2109 W. 63rd St.	60636	773-434-4929
2	Englewood	68	Multifamily	Antioch Homes II	301 W. Marquette Road	60621	773-994-4546
3	Washington Park	40	Senior HUD 202	St. Edmund's Corners	5556 S. Michigan Ave.	60637	773-667-7583
4	Humboldt Park	23	Multifamily	Nelson Mandela Apts.	526 N. Troy St.	60624	773-227-6332

Data – 2: Affordable Rental Housing Developments
This dataset reflects the rental housing developments among the thousands of affordable units that are supported by City of Chicago programs to affordability in local neighborhoods.
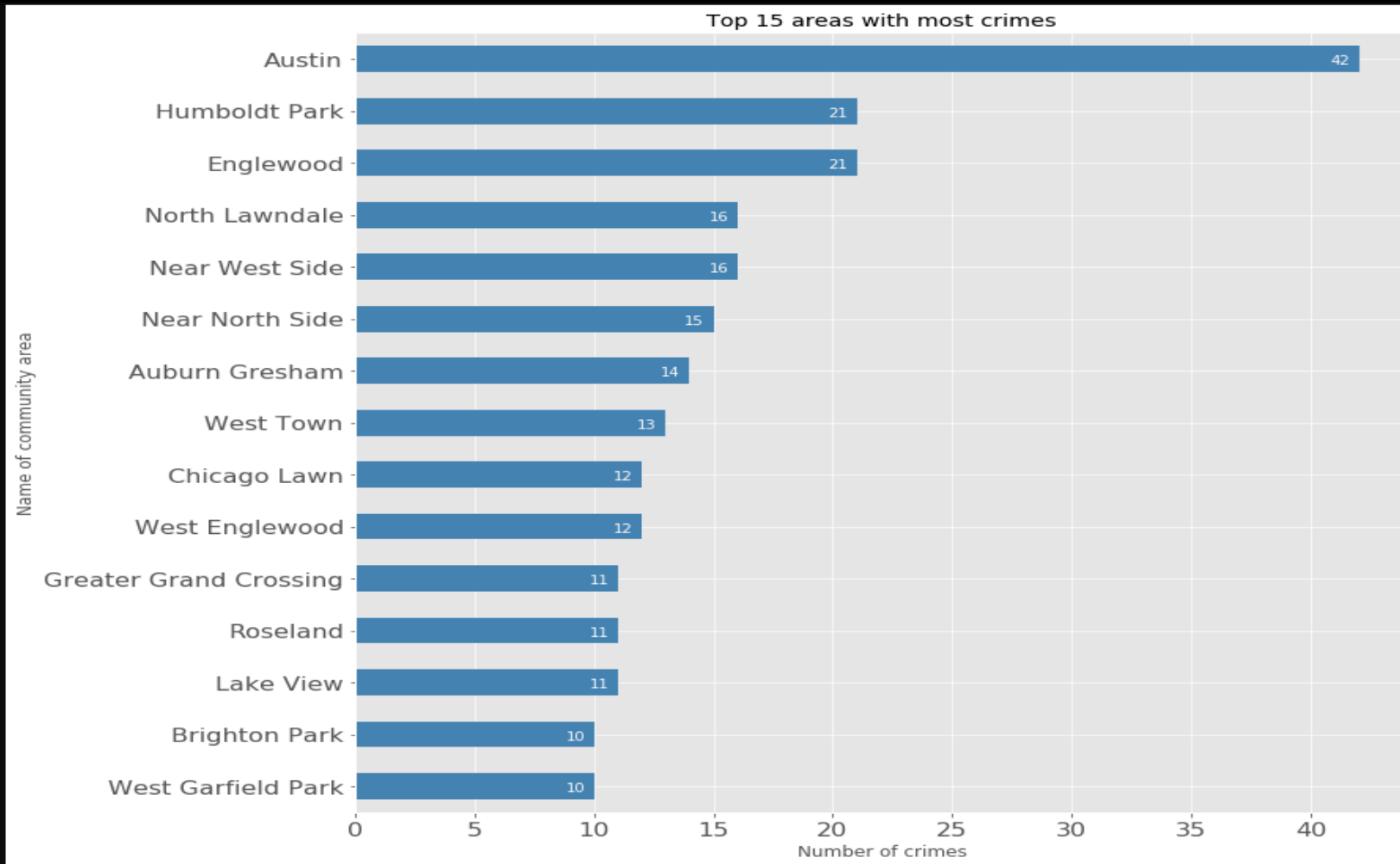
METHODOLOGY

- Stage 1 - Business Understanding: Our main goal is to find good neighborhoods community area in the City of Chicago.

- Stage 2 - Analytic Approach: The City of Chicago has a total of 77 community areas. In this project we are going to visualize the dataset and put it on the map to observe the best community area.
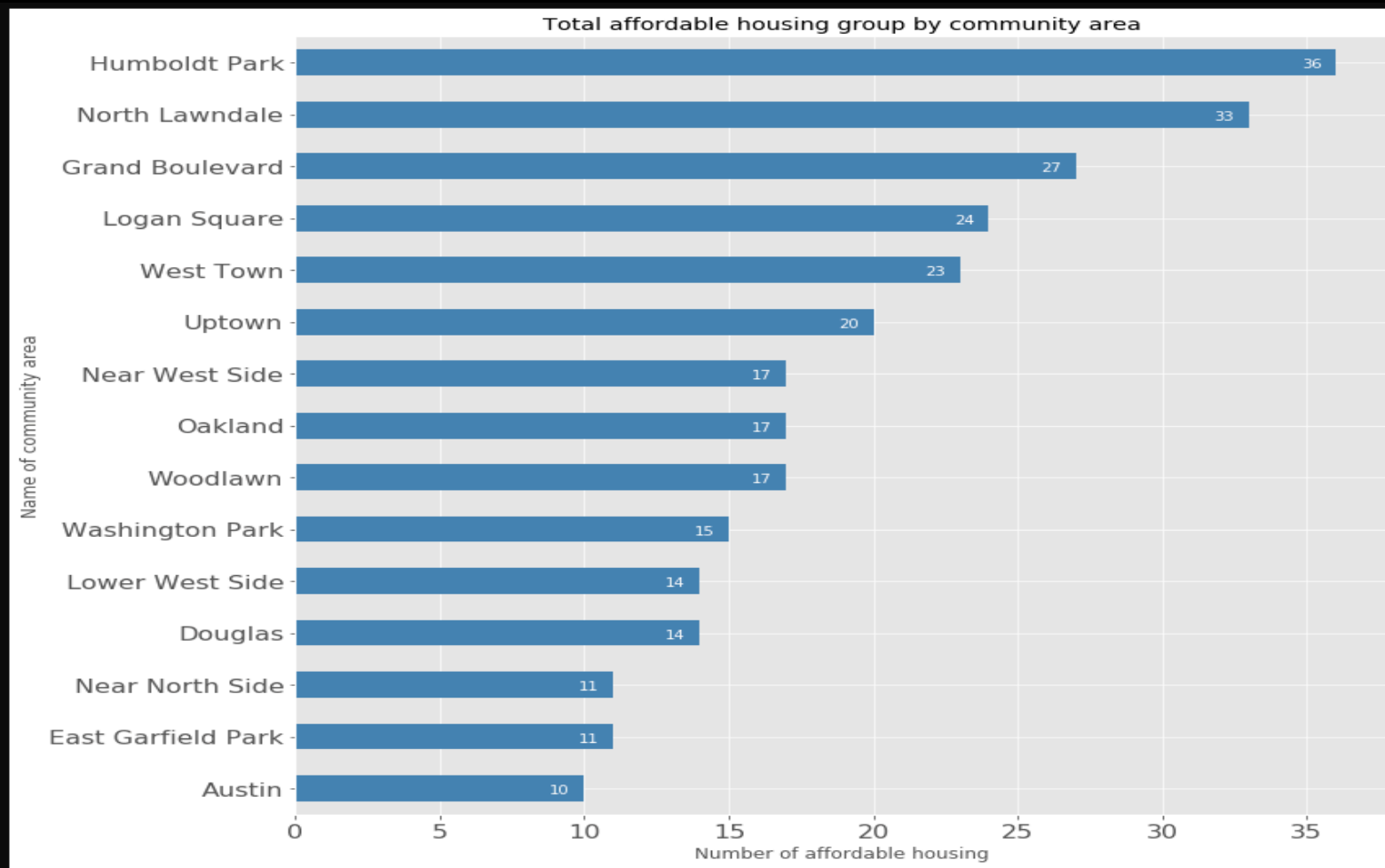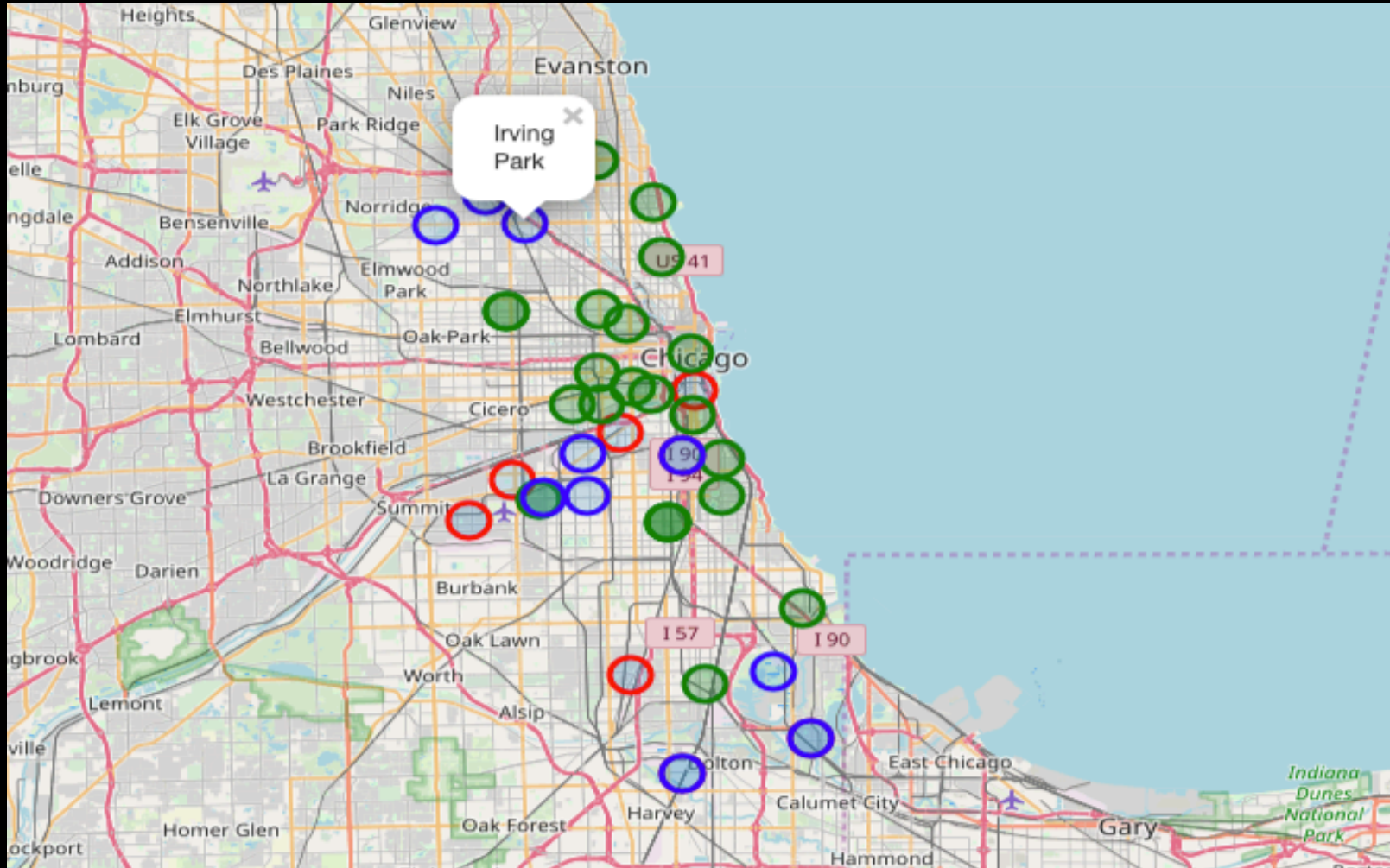
The most violent community area in the City of Chicago

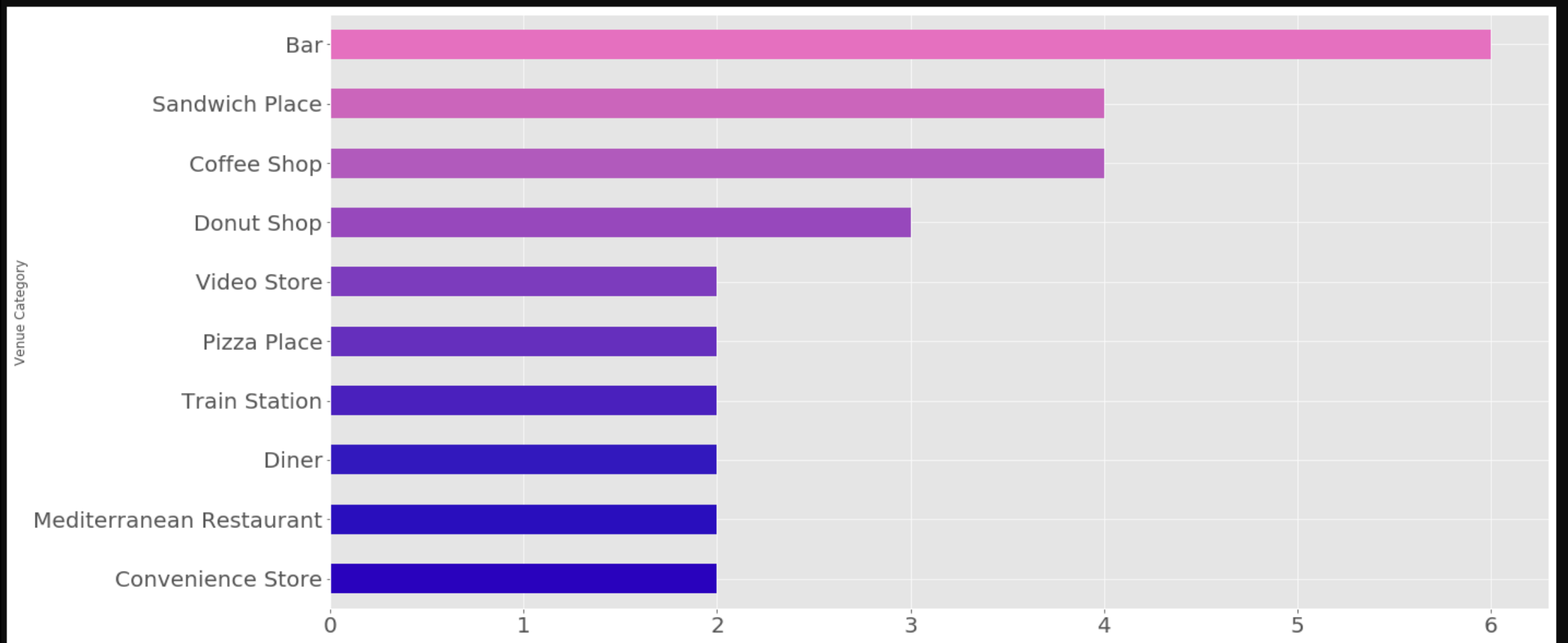The most affordable housing in community area

Map: The recommended of community area

Figure: The most recommended nearby venues in Irving Park community area