

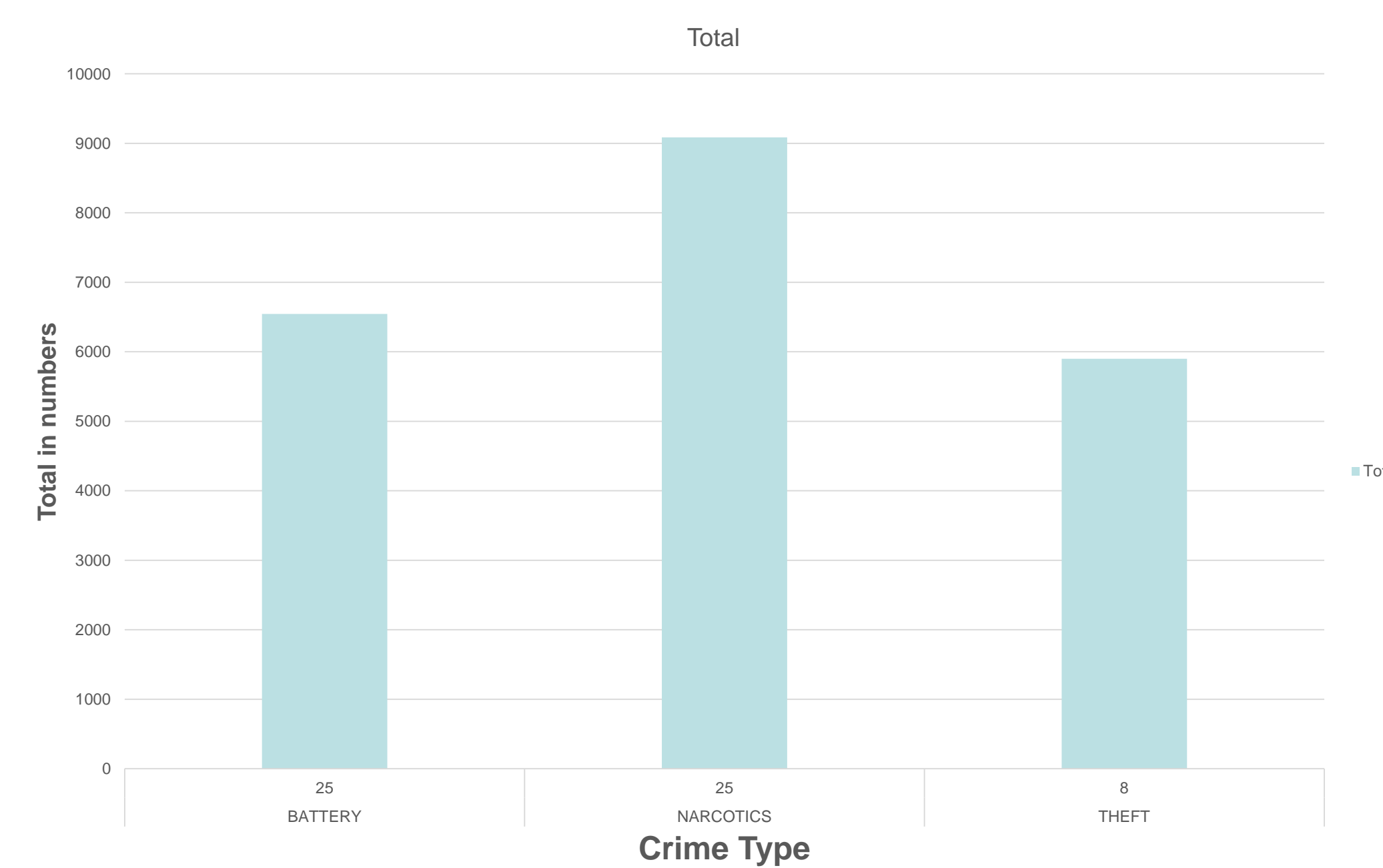
Introduction

Crime rates are more in United States. There are many types of crimes, but only few crimes are still happening in Chicago. How can we reduce those crimes? In what ways we can filter the areas in Chicago? This white paper is about the crime rates in Chicago based on the community area, years and total of crimes that has happened in that specific area. Here we are making three analysis which includes:

1. Top 3 crimes in each year from 2003 – 2015.
2. The types of crimes happens in each community area.
3. Which community area in Chicago is safe and which so danger.

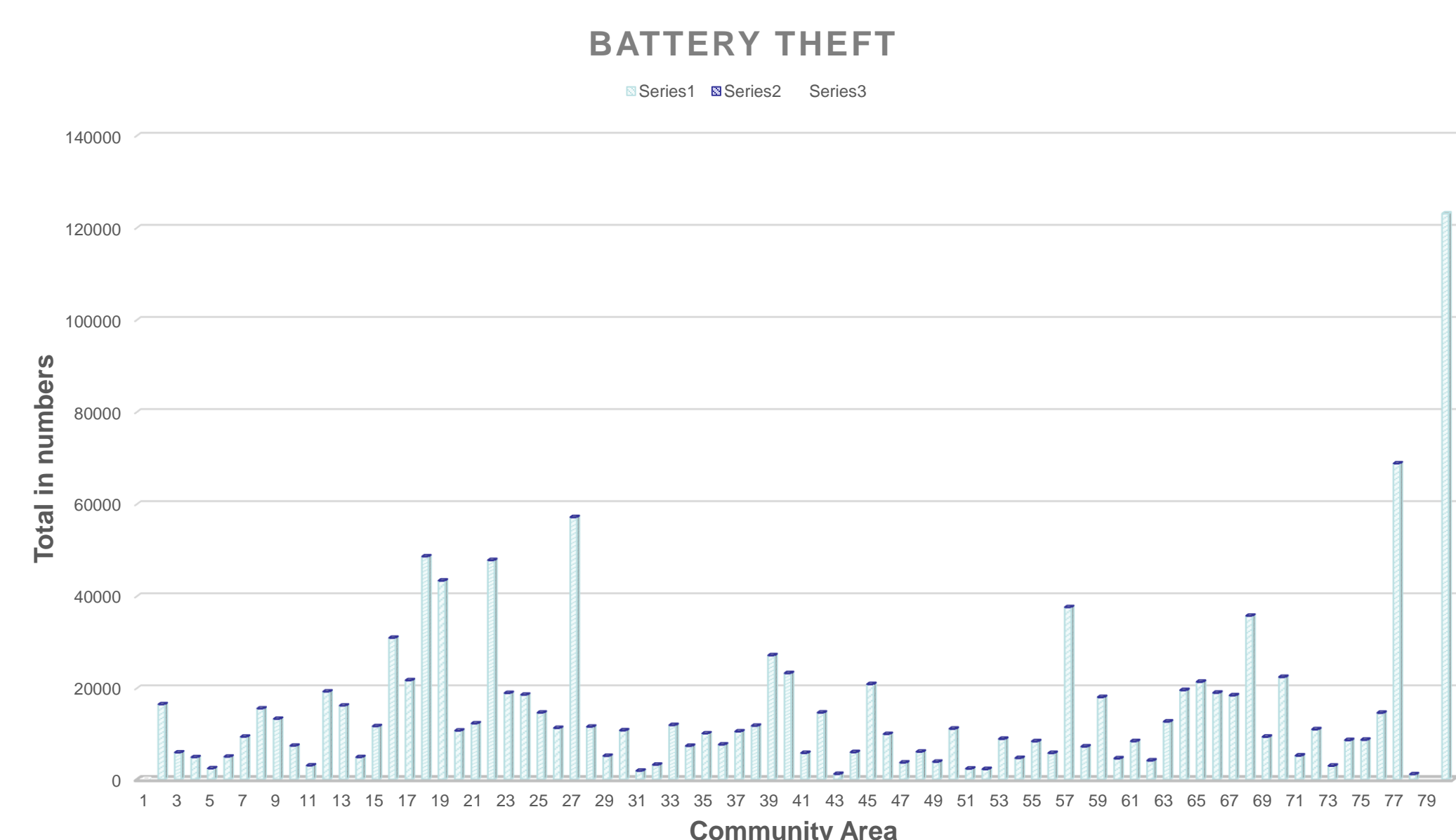
Analysis

Analysis 1

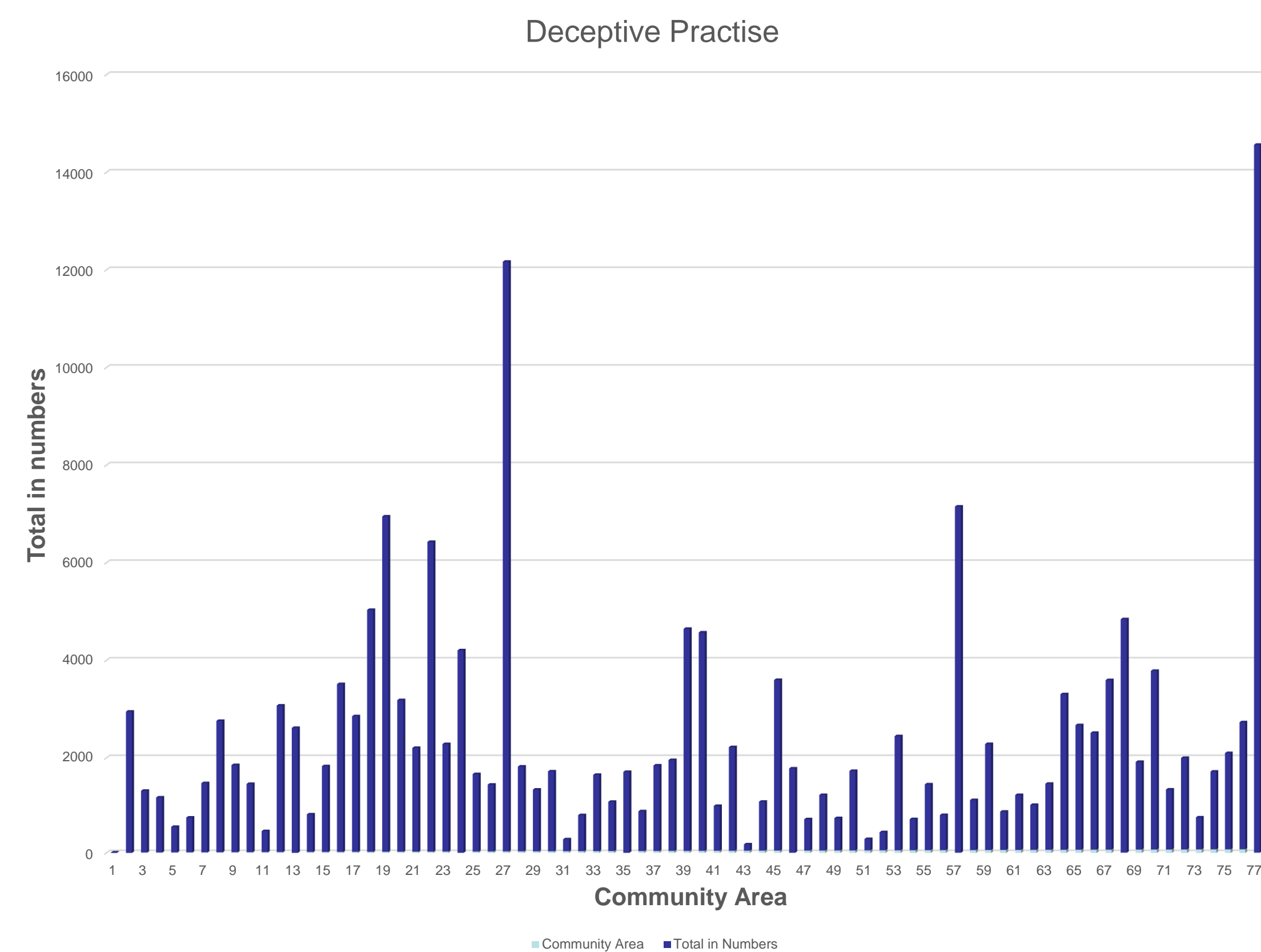


Filtering top three crimes in all the community areas of Chicago. So that we can see at what community area, the type of crime is mostly happening. Here we can see all top crimes happened from 2003 to 2015. We can get the types of crime happened with total in numbers by giving the specific year.

Analysis 2



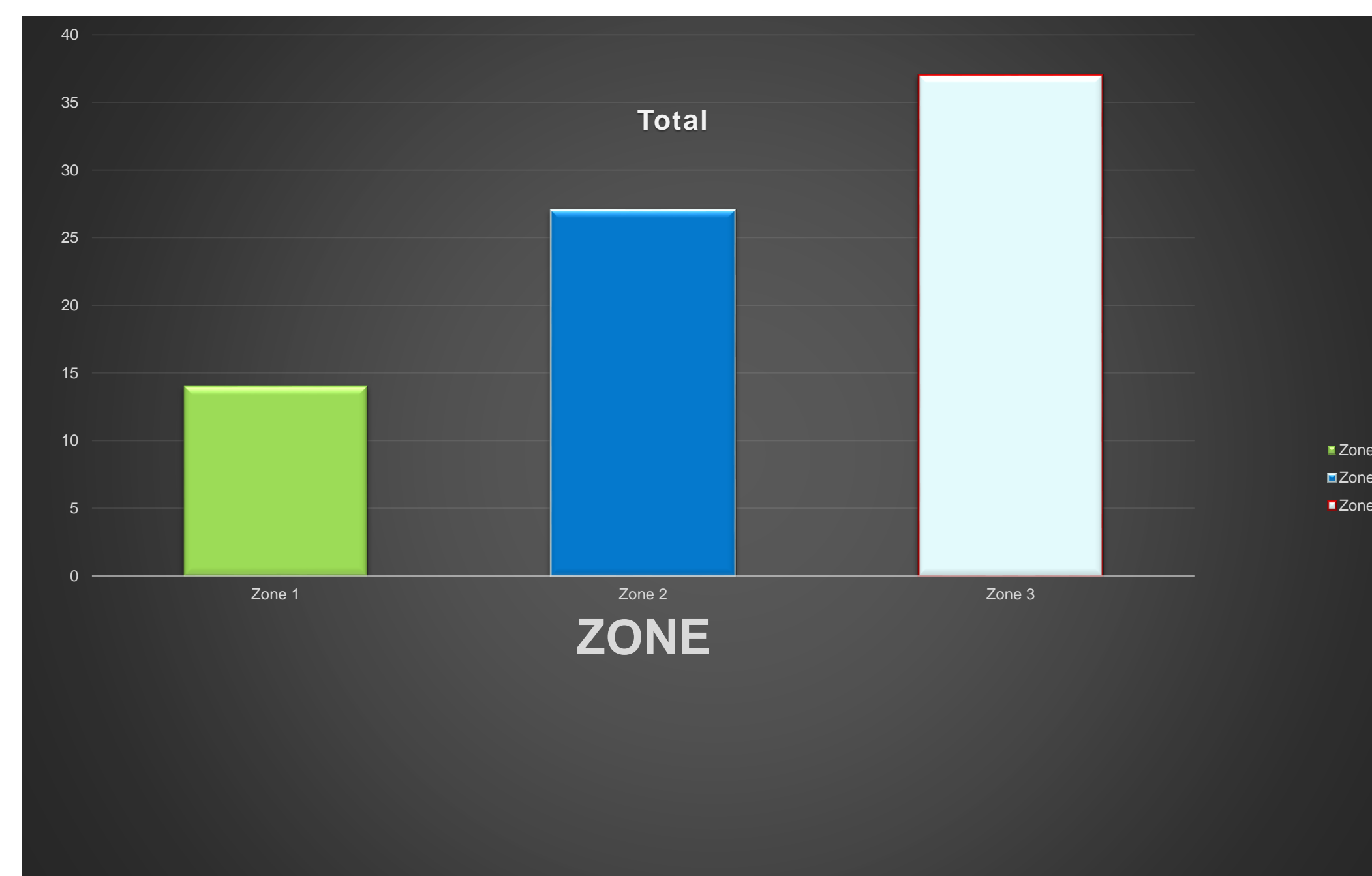
Analysis



In my second analysis: We can see the types of crimes happens in each community area. So that we can predict in which area most of the crimes are happening.

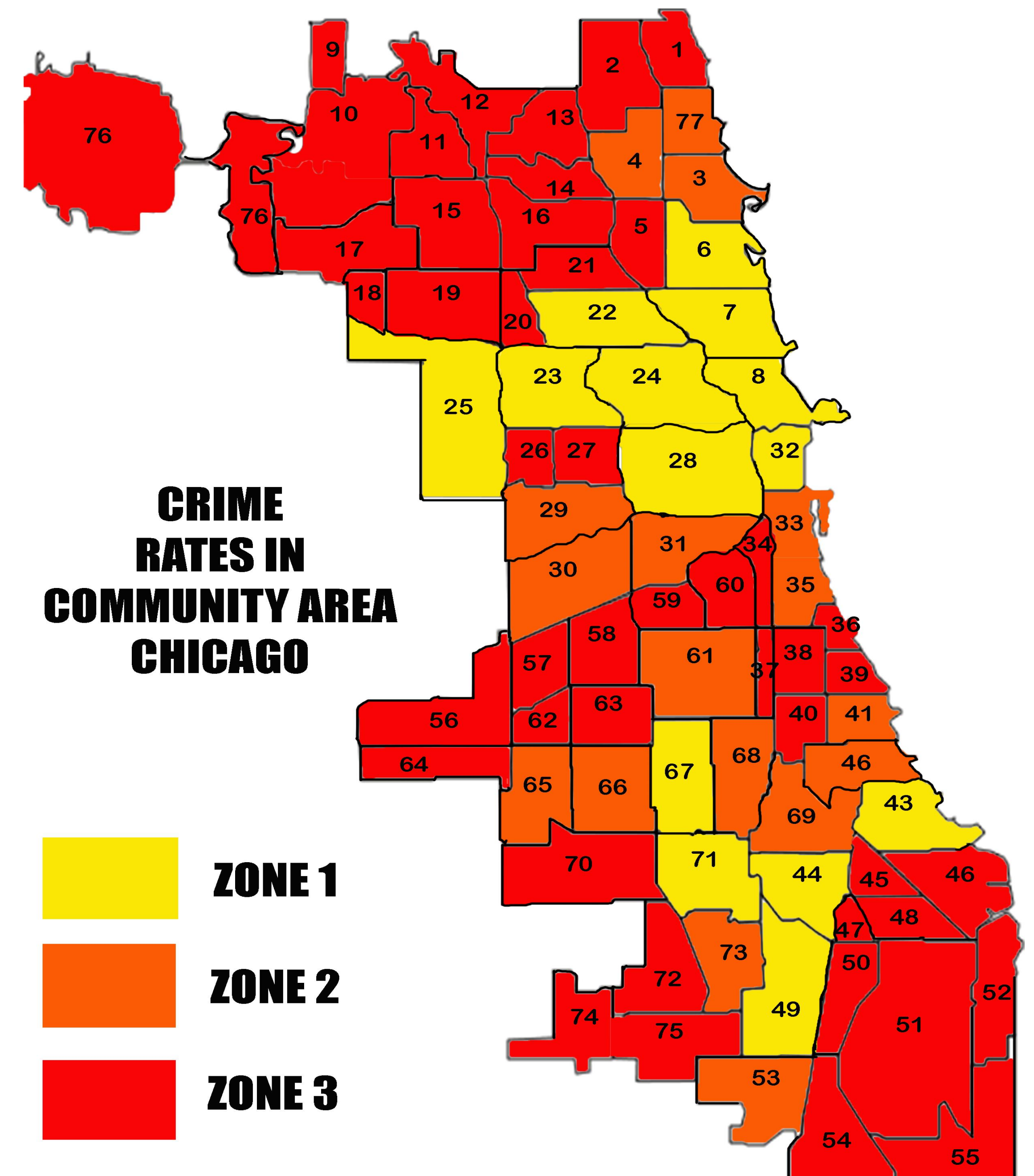
Analysis 3

1	COMMUNITY AREA	TOTAL CRIMES IN CA	Zone
2	1	16448	Zone 2
3	15	15521	Zone 2
4	16	13243	Zone 2
5	18	13232	Zone 2
6	2	16161	Zone 2
7	21	11619	Zone 2
8	26	10661	Zone 2
9	27	12236	Zone 2
10	29	18895	Zone 2
11	3	13536	Zone 2
12	30	14587	Zone 2
13	31	11232	Zone 2
14	33	11509	Zone 2
15	35	10700	Zone 2
16	38	11661	Zone 2
17	4	10054	Zone 2
18	41	10464	Zone 2
19	42	11704	Zone 2
20	46	14596	Zone 2
21	53	11048	Zone 2
22	61	17961	Zone 2
23	65	12617	Zone 2
24	66	13512	Zone 2
25	68	13535	Zone 2
26	69	18363	Zone 2
27	73	10911	Zone 2
28	77	14532	Zone 2



In my third analysis: We can clearly divide in which community area is so safe to live and in which community area is so dangerous. Filtering all community areas with total in numbers and divided into three zones.

Analysis



This map shows the geographic distribution of the three zones over the community area of Chicago. Looking at the map, we can notice that the majority of the community areas have zone 3 and most of them are in zone 2. Zone 1 represent the less crime community areas, zone 2 represents medium crime community areas and zone 3 represents high crime community areas.

Conclusion

From all the three analysis we can clearly see that Chicago is not safer in some of the areas. Only in specific areas the crime rate is less. If we are looking for the good community to stay or commute, we are in need of crime rates in specific community area. With these data we can filter the zones and we can choose the specific community area to live are to travel. By finding the danger zone, we can increase our security system in that specific zone.

References

Chicago Crime Data 2001 to 2015
Datasets (source):
<https://data.cityofchicago.org/Public-Safety/Crimes-2001-to-present/ijzp-q8t2>