





Why did I choose to do Chicago Crime data?



Homicides In Chicago Eclipse U.S. Death Toll In Afghanistan And Iraq [Infographic]



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Data journalist covering technological, societal and media topics





| World » U.S. | Africa | Americas | Asia | Australia | China | Europe | Middle East | UK

International Edition +





By Ray Sanchez, CNN

The New York Times



Chicago's Murder Problem

By FORD FESSENDEN and HAEYOUN PARK MAY 27, 2016

History of Crime in Chicago

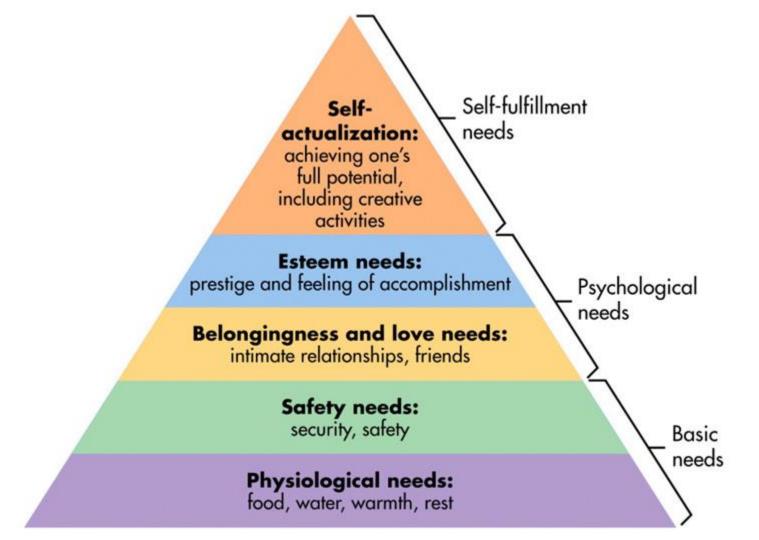
Famous mobsters of Chicago

Al Capone



John Dillinger





Where did my data come from?





IBM Watson Analytics

*Crimes 2_2_ (1)

















Sheet 1 +											
≢ <	Date	Domestic	Location	Latitude	Longitude	Primary Type	Time	Description	Location Desc	Community Ar	District (
Ja A	Showing 1000 rov	vs. Not all rows can b	e shown.								
ш "	\$	‡	1 4	4						t	
	2016-05	i-03 True	(41.864073157,	-87.706818608	41.864073157	BATTERY	23:40:00	DOMESTIC B	APARTMENT	29	10
=	2016-05	i-03 True	(41.782921527,	-87.60436317)	41.782921527	BATTERY	21:40:00	DOMESTIC B	RESIDENCE	42	3
	2016-05	-03 False	(41.89490828	-87.758371958	41.894908283	PUBLIC PEA	23:31:00	RECKLESS C	STREET	25	15
n'm	2016-05	i-03 False	(41.88568684	-87.749515983	41.885686845	BATTERY	22:10:00	SIMPLE	SIDEWALK	25	15
	2016-05	i-03 True	(41.886297242	-87.761750709	41.886297242	THEFT	22:00:00	\$500 AND UN	RESIDENCE	25	15
	2016-05	i-03 False	(41.745354023	-87.603798903	41.745354023	BATTERY	22:35:00	AGGRAVATE	STREET	44	6
	2016-05	i-03 False	(41.844023772	-87.626923253	41.844023772	BATTERY	22:30:00	SIMPLE	CHA HALLWA	35	1
	2016-05	i-03 False	(41.811133958,	-87.62074077)	41.811133958	BATTERY	21:30:00	SIMPLE	RESIDENCE	38	2
	2016-05	i-03 False	(41.99813061,	-87.665814038)	41.99813061,	BATTERY	16:00:00	SIMPLE	SIDEWALK	1	24
	2016-05	i-03 True	(41.768096835	-87.663878589	41.768096835	BATTERY	22:30:00	DOMESTIC B	STREET	67	7
	2016-05	i-03 False	(41.761733286,	-87.558309979	41.761733286	WEAPONS VI	21:44:00	UNLAWFUL P	VEHICLE NO	43	3
	2016-05	i-03 True	(41.893026751,	-87.626750829	41.893026751	BATTERY	23:11:00	DOMESTIC B	SIDEWALK	8	18
	2016-05	i-03 False	(41.877811861,	-87.655758012	41.877811861	THEFT	17:30:00	FROM BUILDI	OTHER	28	12
	2016-05	i-03 False	(41.843016958	-87.61722727)	41.843016958	THEFT	09:00:00	\$500 AND UN	STREET	35	1
	2016-05	i-03 False	(41.910900826	-87.686018747	41.910900826	THEFT	22:08:00	OVER \$500	STREET	24	14
	2016-05	i-03 True	(41,762089133	-87.696632337	41.762089133	BATTERY	16:00:00	DOMESTIC B	RESIDENCE	66	8
	2016-05	i-03 False	(41.908237096	-87.678437417	41.908237096	THEFT	21:45:00	OVER \$500	STREET	24	14
	2016-05	i-03 False	(41.79393590	-87.625680278	41.793935909	ROBBERY	22:00:00	ARMED: OTH	SIDEWALK	40	2
	2016-05	i-03 False	(41.711843569,	-87.646607932	41.711843569	MOTOR VEHI	20:00:00	AUTOMOBILE	STREET	73	22
	2016-05	-03 True	(41.815875211,	-87.601832565	41.815875211	BATTERY	23:00:00	DOMESTIC B	APARTMENT	39	2

Data Points

12 columns and approximately 33,000 rows

So how did I get my results?



IBM Watson Analytics





Data

Add and refine data.

Discover

Find insights to help solve your business problems.



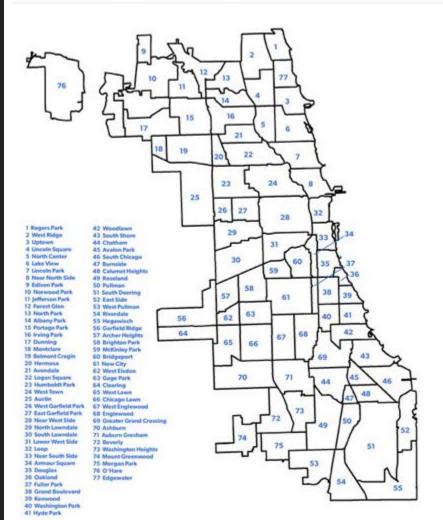
Display

Monitor and communicate your findings with others.

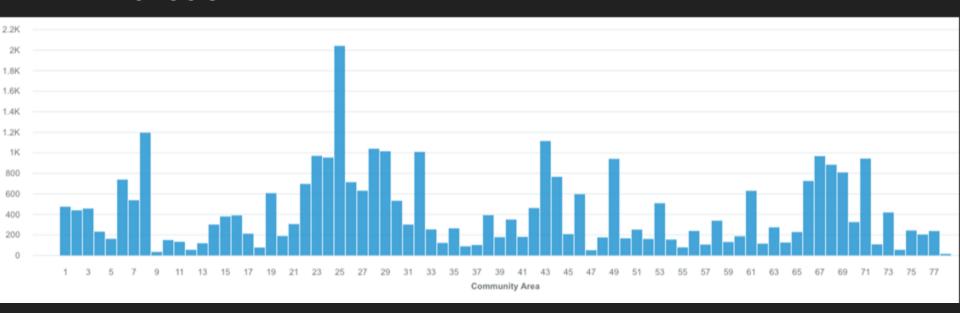
Community area map of Chicago

https://www.housingstudies.org/page/city-chicagocommunity-areas/

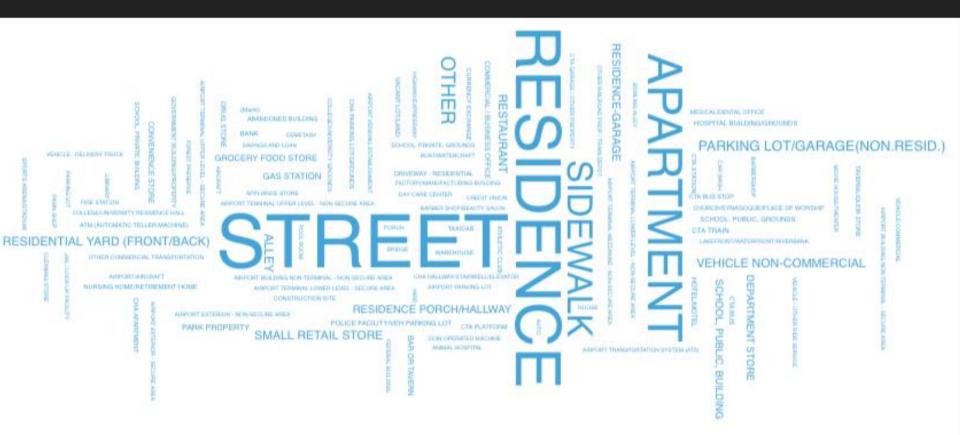
CHICAGO COMMUNITY AREAS



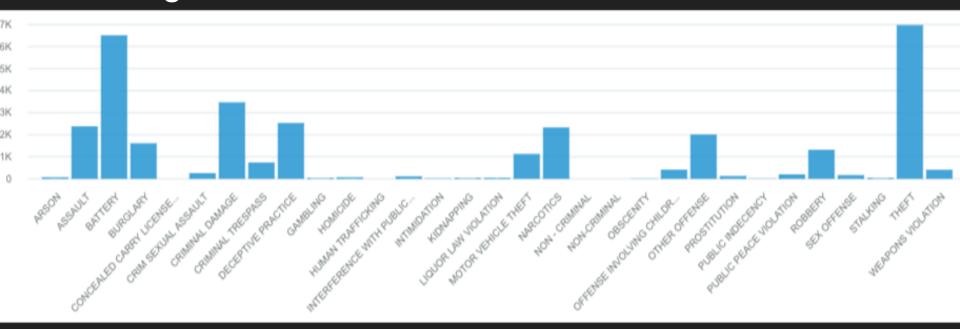
Crime of Chicago Graphed by Community areas



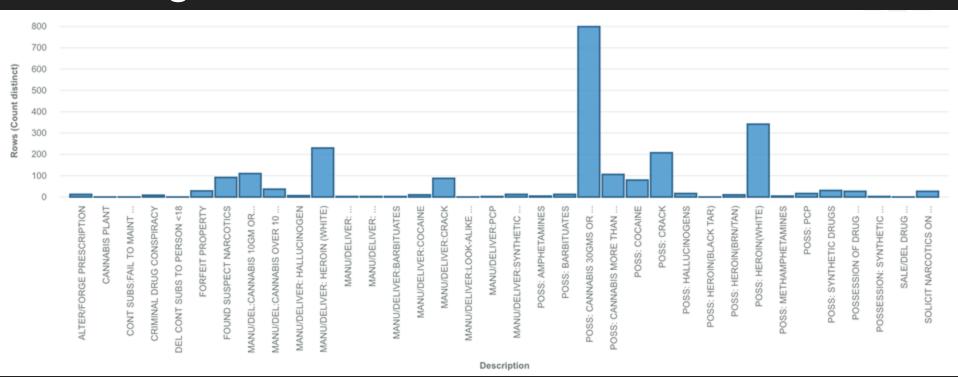
Where most crimes occur



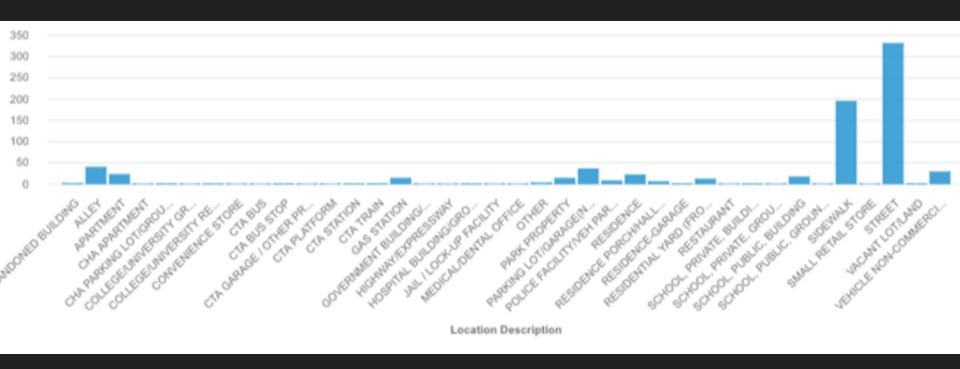
The most common types of crime occurring in Chicago



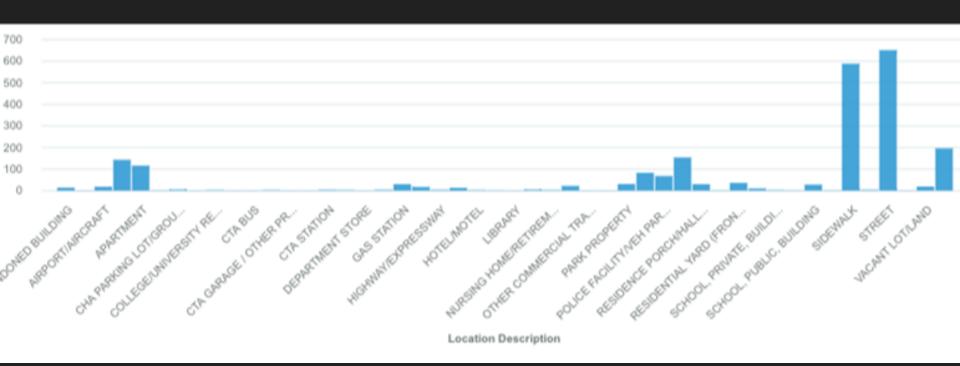
The common types of Narcotics sold in Chicago

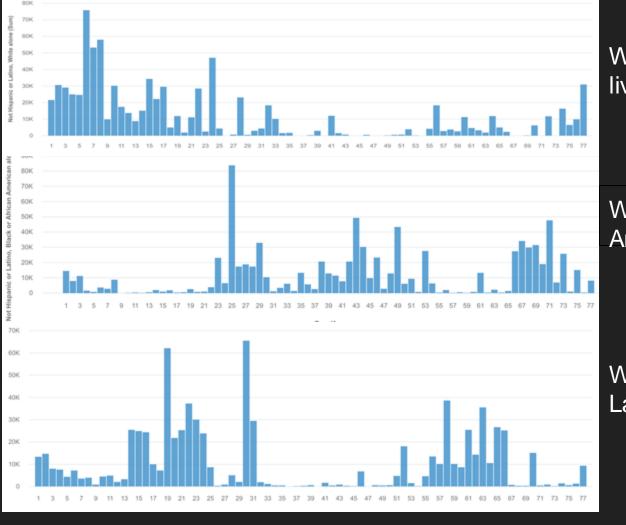


Where do most Cannabis Seizures occur



The most common locations for Drug busts to occur

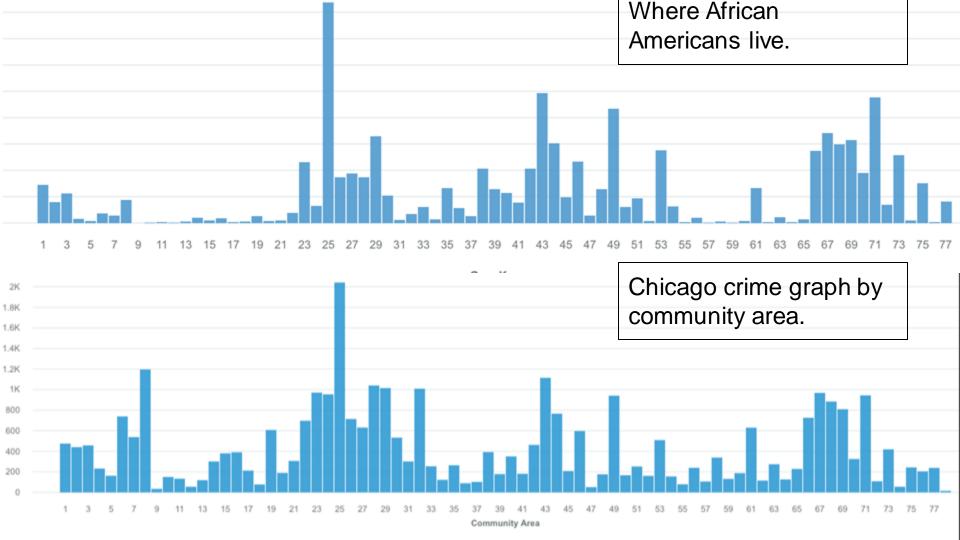


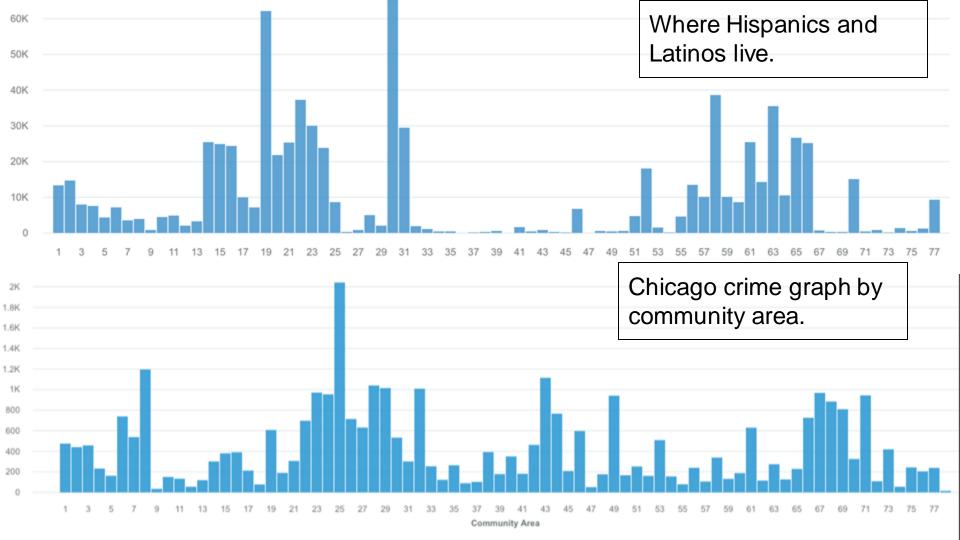


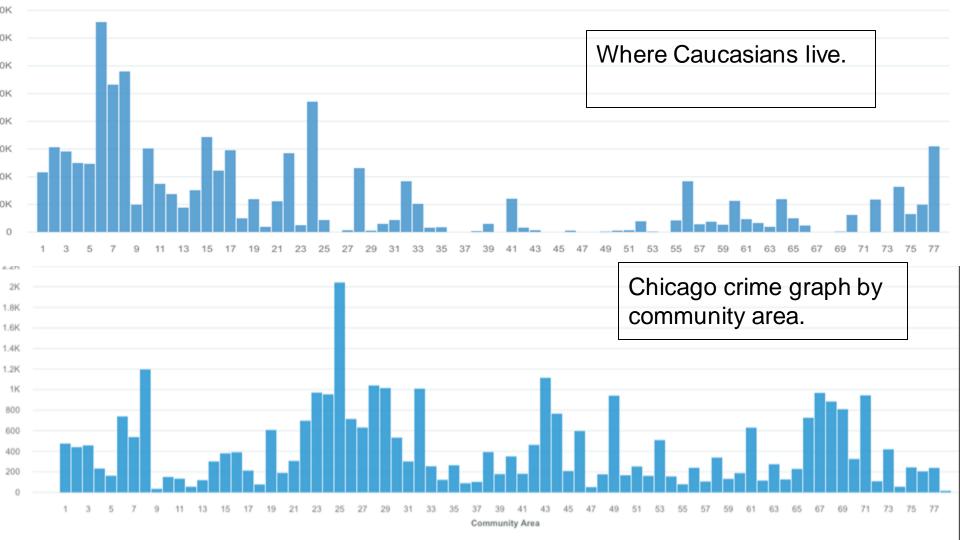
Where Caucasian's live.

Where African Americans live.

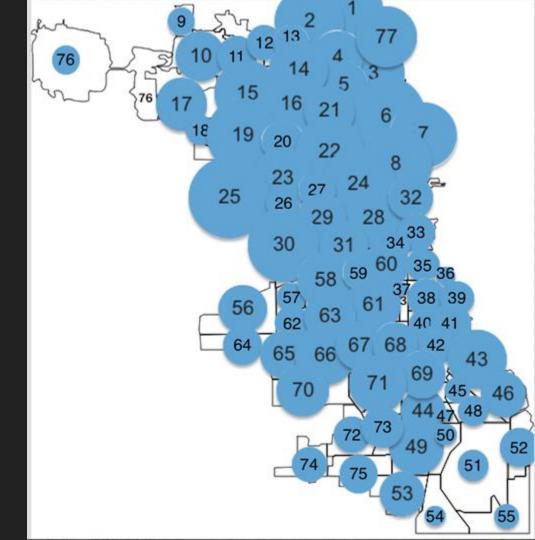
Where Hispanics and Latinos live

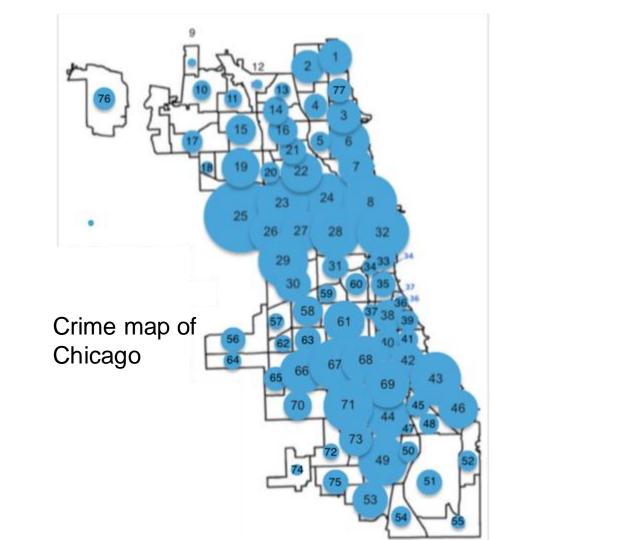


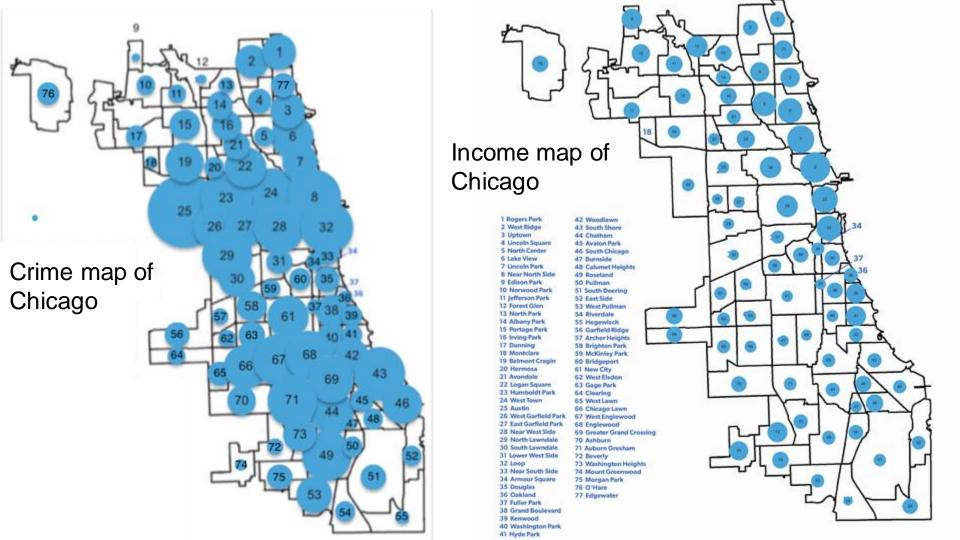


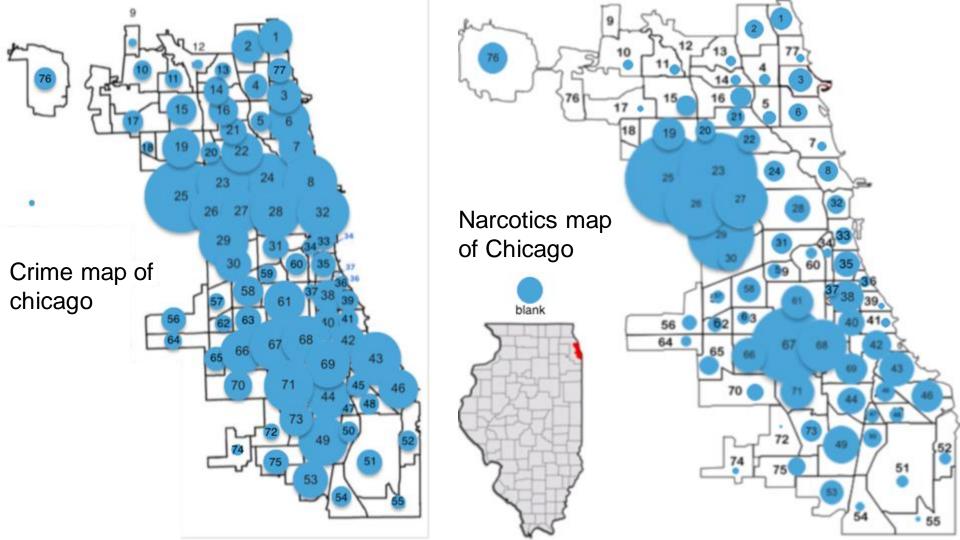


Total Population Map

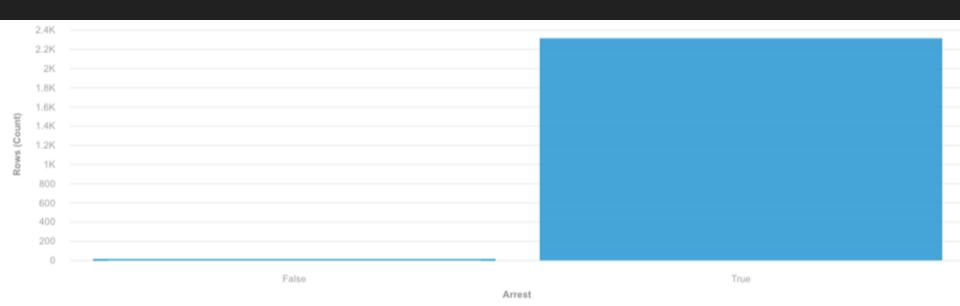








What is the probability if you get arrested if caught with narcotics in chicago?



Conclusion

People of different ethnic background may face different challenges growing up in Chicago.

My Realization

I had a perception that Chicago was a safe city but I realized through this project that I was visiting the safer parts. By using big data I was able to enhance my perception of Chicago which was clearer than my personal experience.

How to stay safe

- 1. Behave like you belong there
- 2. Safety in numbers
- 3. Don't display objects of wealth (watches, rings, etc)
- 4. Be confident
- 5. Tune in your 6th sense

Next Steps

- Time of day
- Time of year
- Gender
- More demographics
- Weather
- Education background
- Repeat offenders

Difficulties

- Finding more datasets
- Location (GPS)
- Navigating around Watson (laggy and slow)
- Creating the Crime maps

Thank you for paying attention!

Bibliography

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