

L.A. Confidential

Criminal data in Los Angeles: How to keep safe

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Keep away from crime

Crime is actually very close to us

- Crime is way more complicated than we've thought

We need to count on ourselves to keep safe

- Where is crime

Carelessness is the main reason we get involved in crime:

- What kind of crime is more likely to happen
- When is the crime more likely to happen
- What sign means danger
- Who is easier to face crime-victims

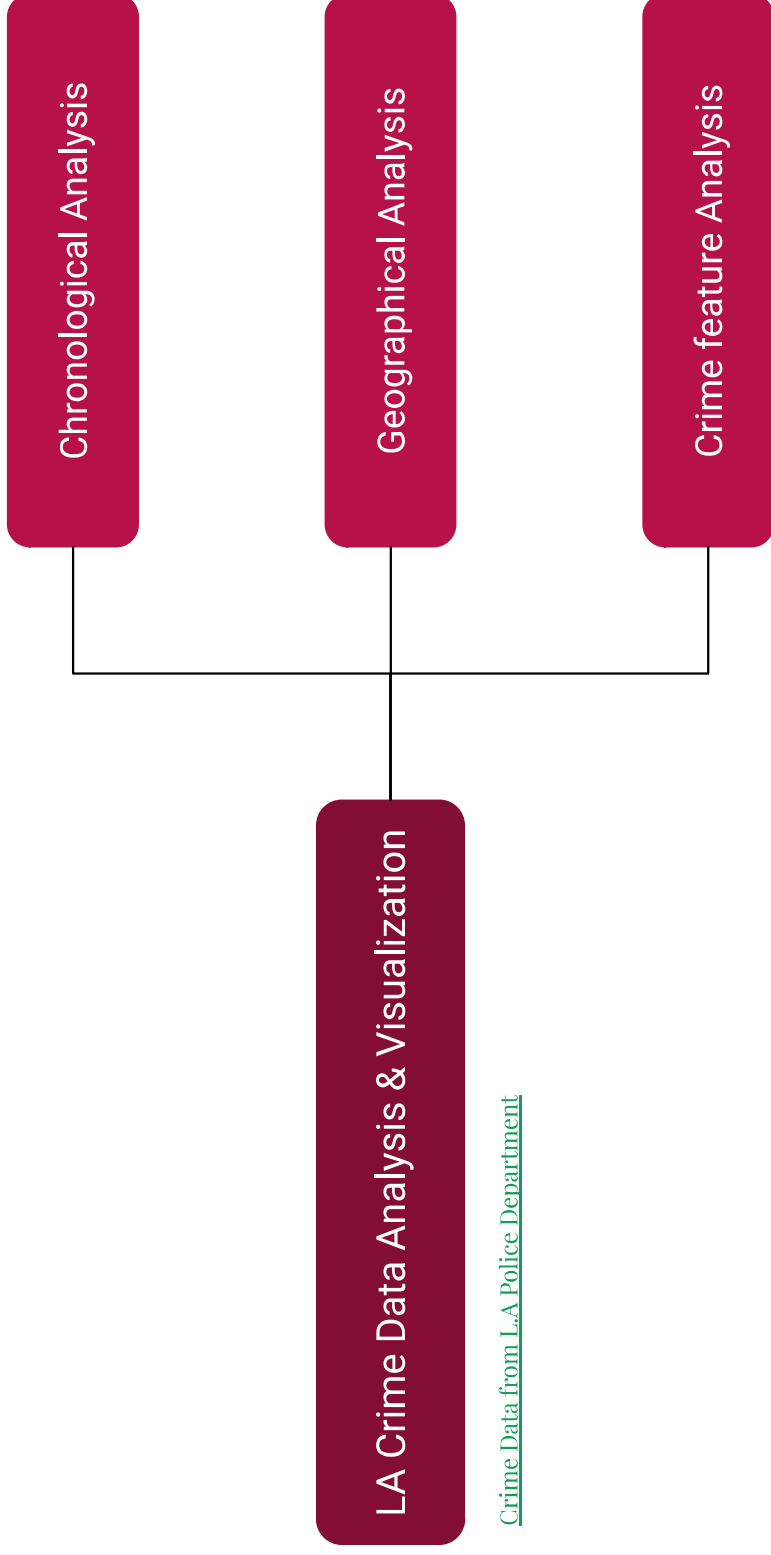
LA Crime Data Analysis & Visualization

[Crime Data from L.A Police Department](#)

Chronological Analysis

Geographical Analysis

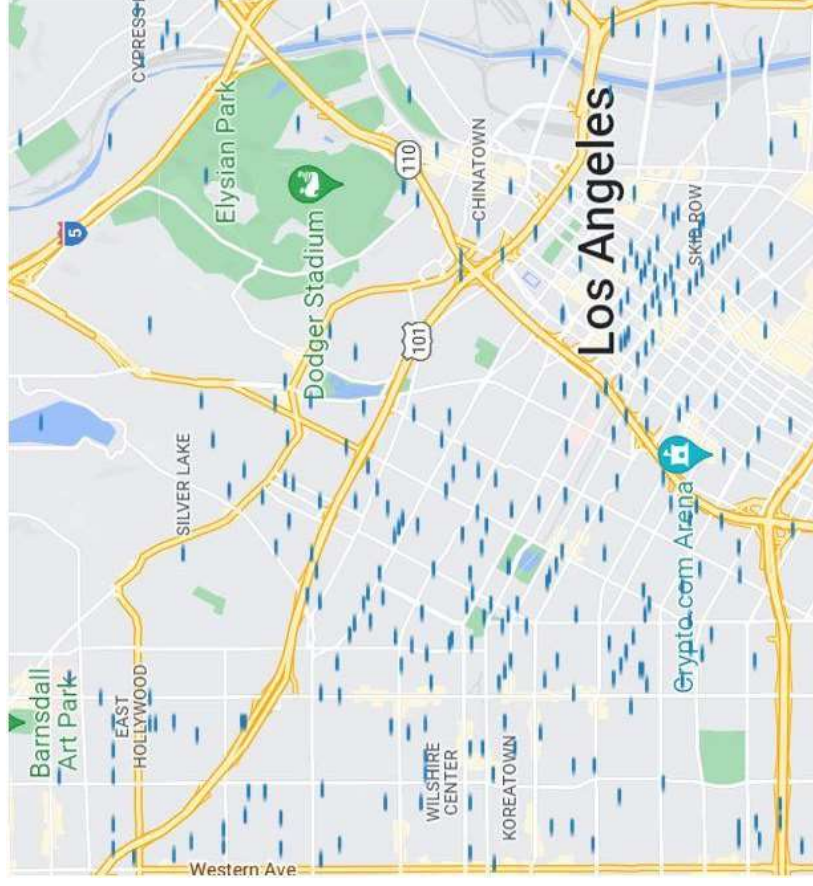
Crime feature Analysis



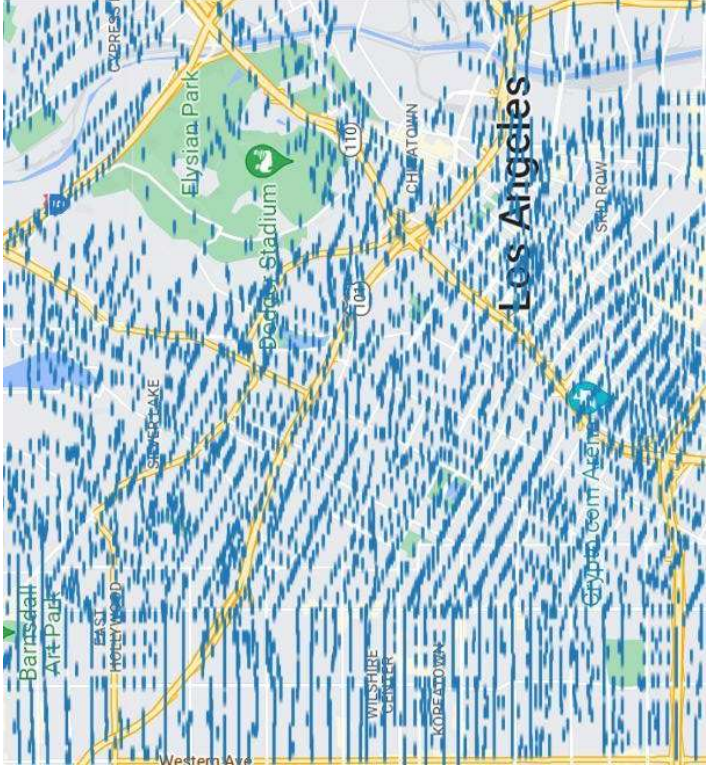
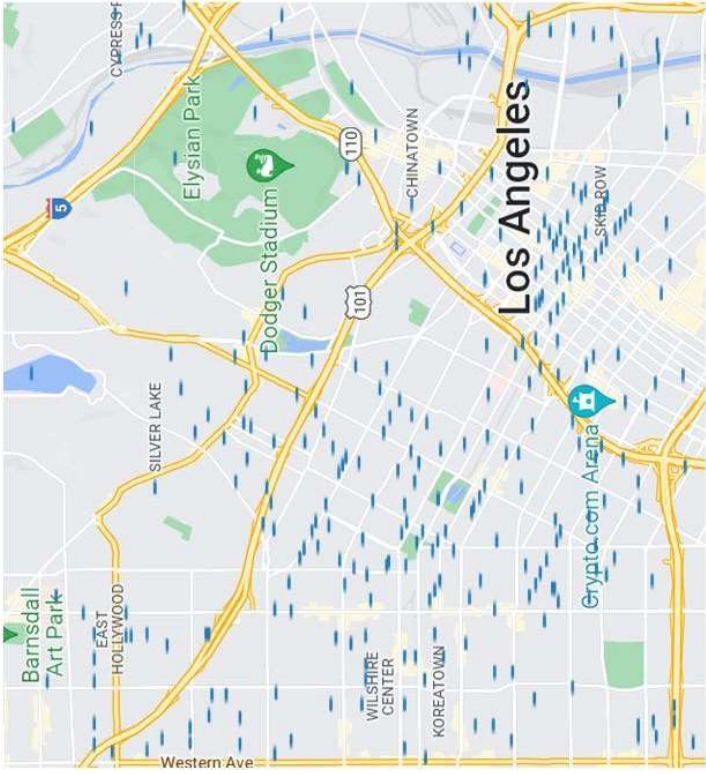
Crime is actually very close to us

Data are sometimes tricky

Distribution of personal theft



Crime is actually very close to us



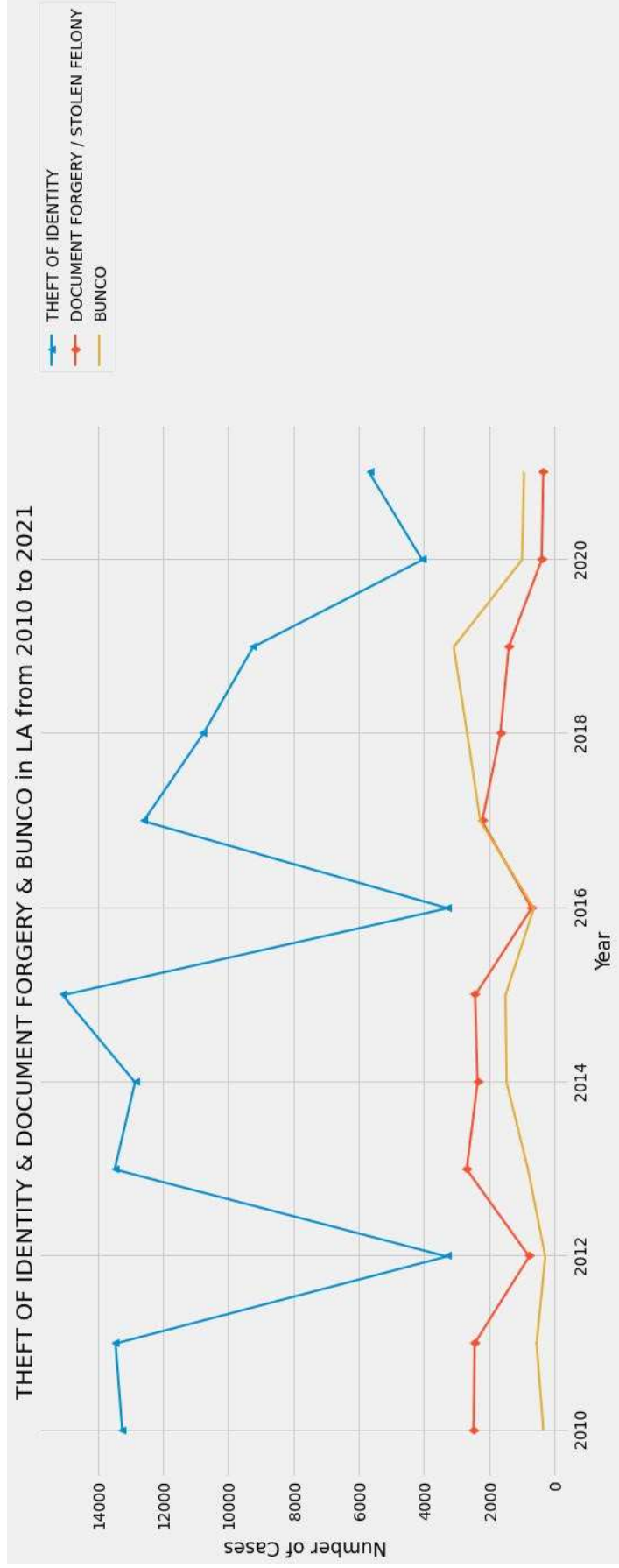
Personal theft VS BTFV(burglary or theft from motor vehicle)

Why can't we get protection from the law ?

Crime is way more complicated than we've thought

Crime is way more complicated than we've thought

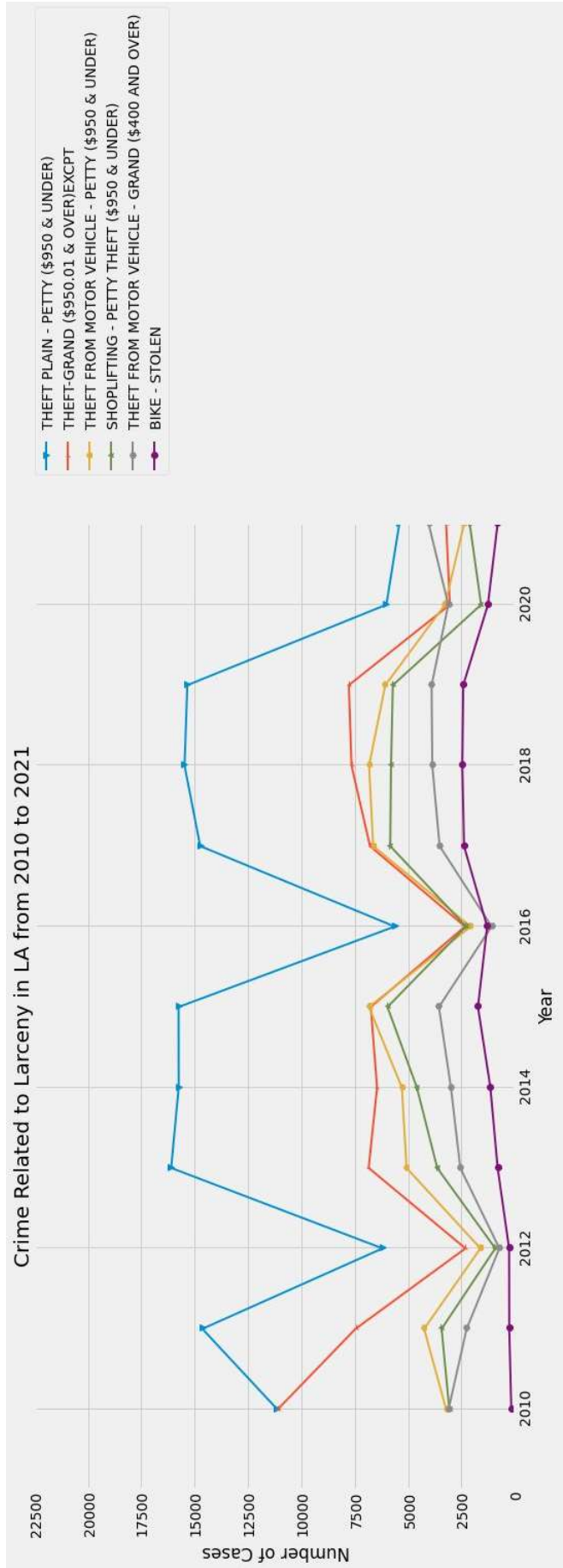
Crime is way more complicated. In 2020, when most crime rate decreased because of the coronavirus, ther rate of identity theft still increased.



Crime is way more complicated than we've thought

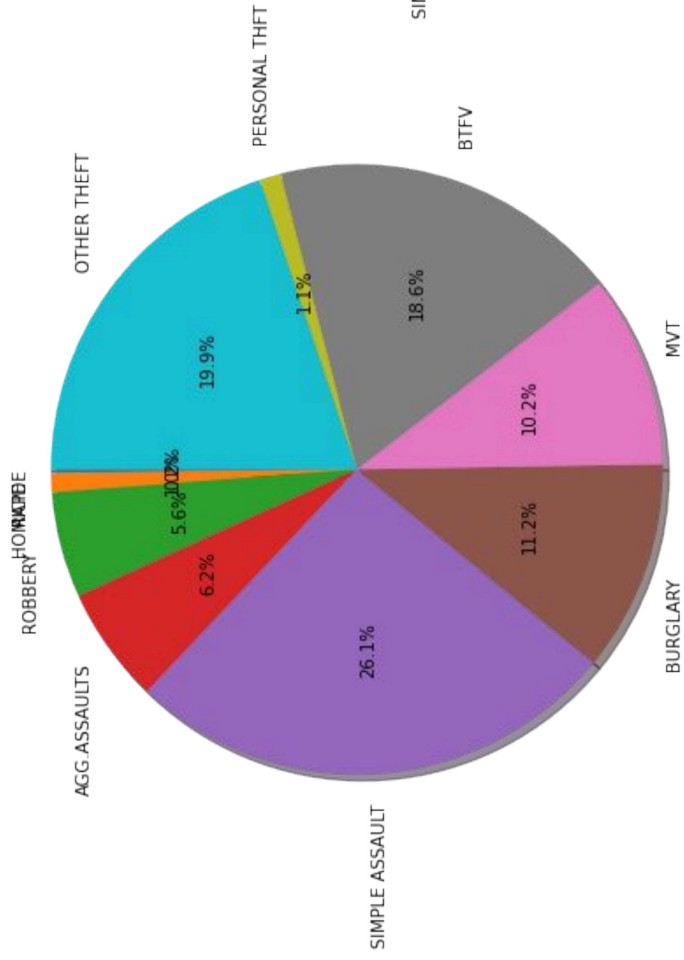
Sometimes law does not.

2010 VS 2014 : it does not always works.

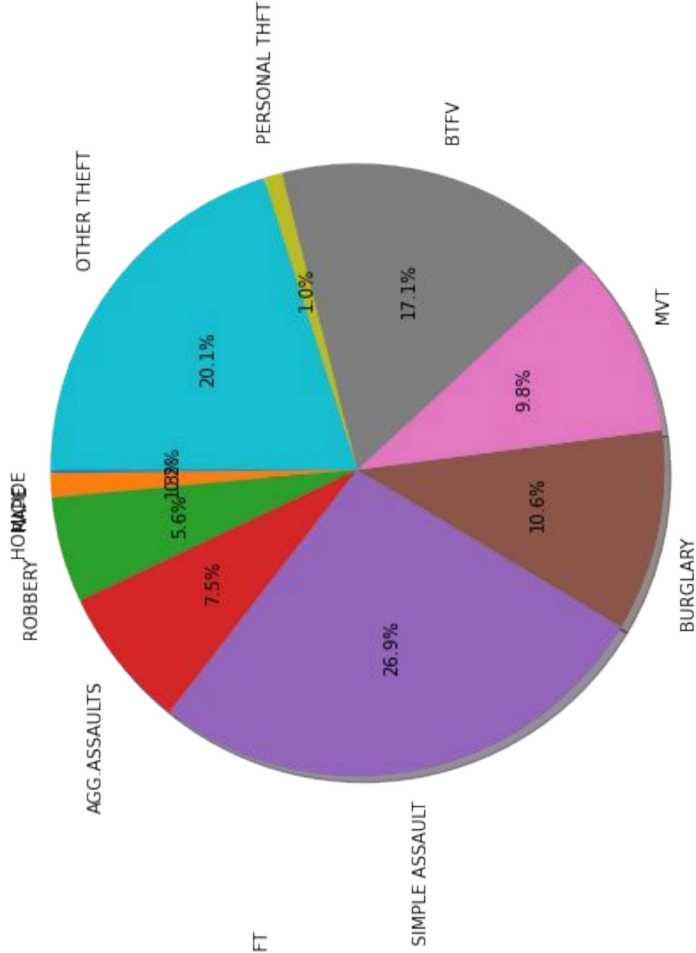


Crime is way more complicated than we've thought

distribution for the crime in 2013

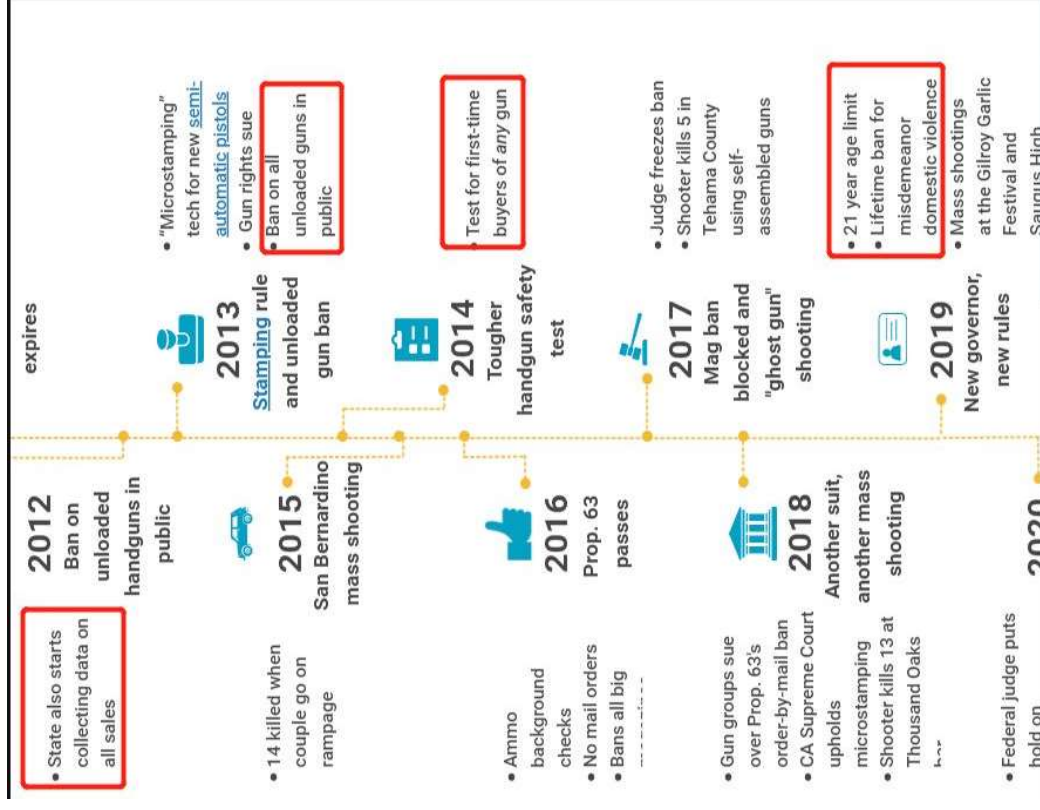


distribution for the crime in 2014



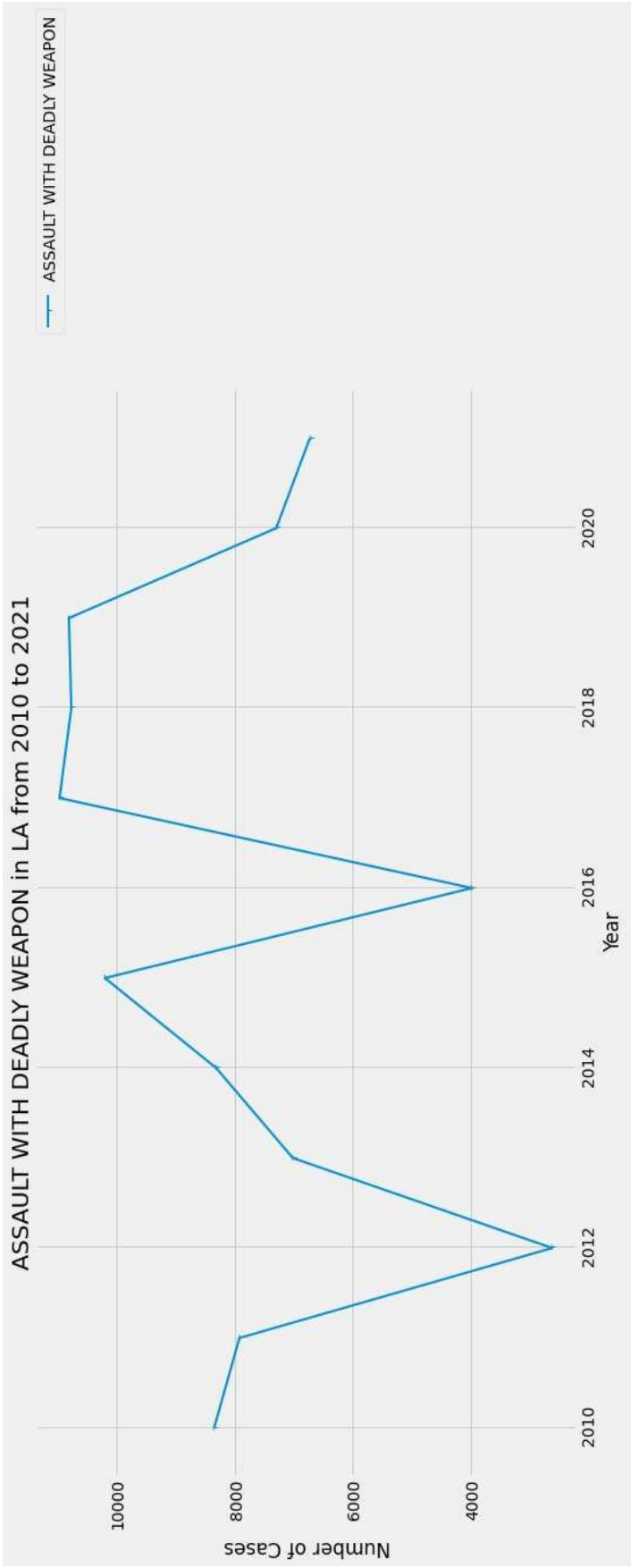
Crime is way more complicated

It takes times even if it works



Crime is way more complicated than we've thought

Even after the restrictions on guns, the rate of assault with deadly weapon continues to increase, only the growth was curbed. It still needs to take a long time.



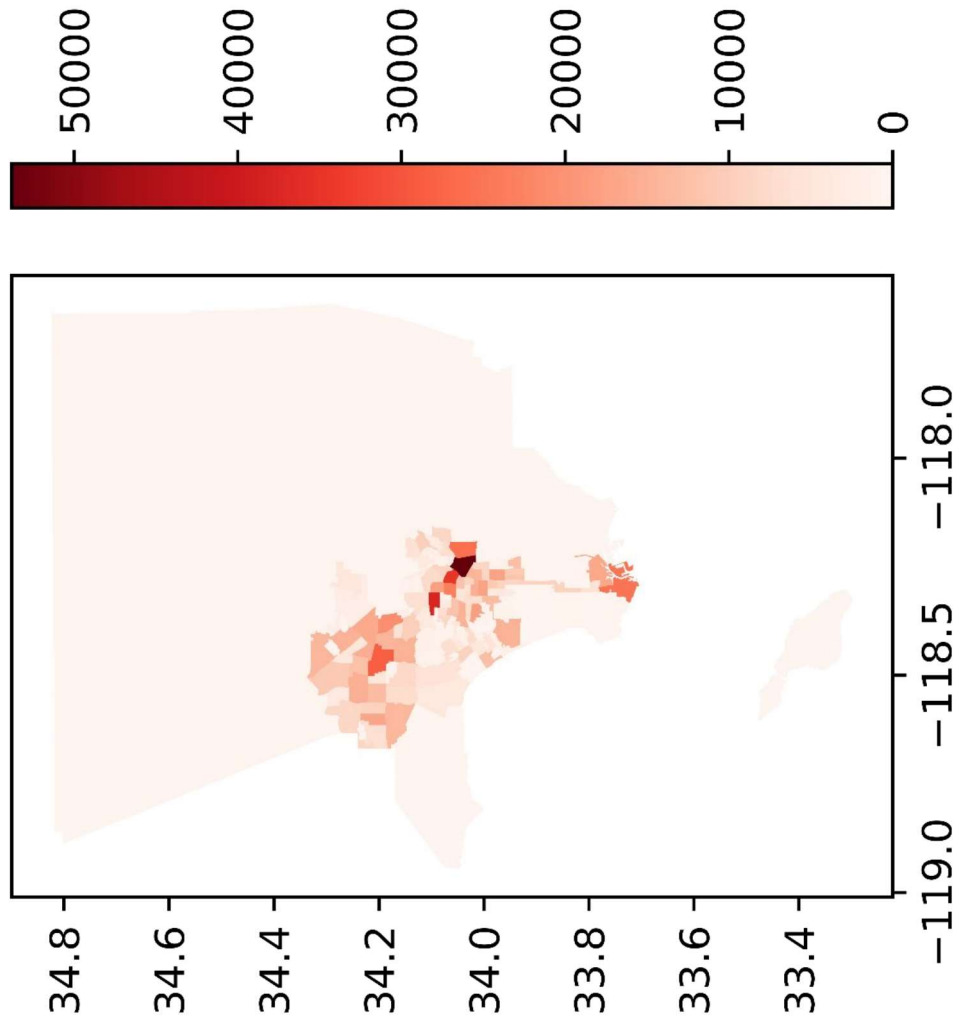
What can we do ?

count on ourselves to keep safe

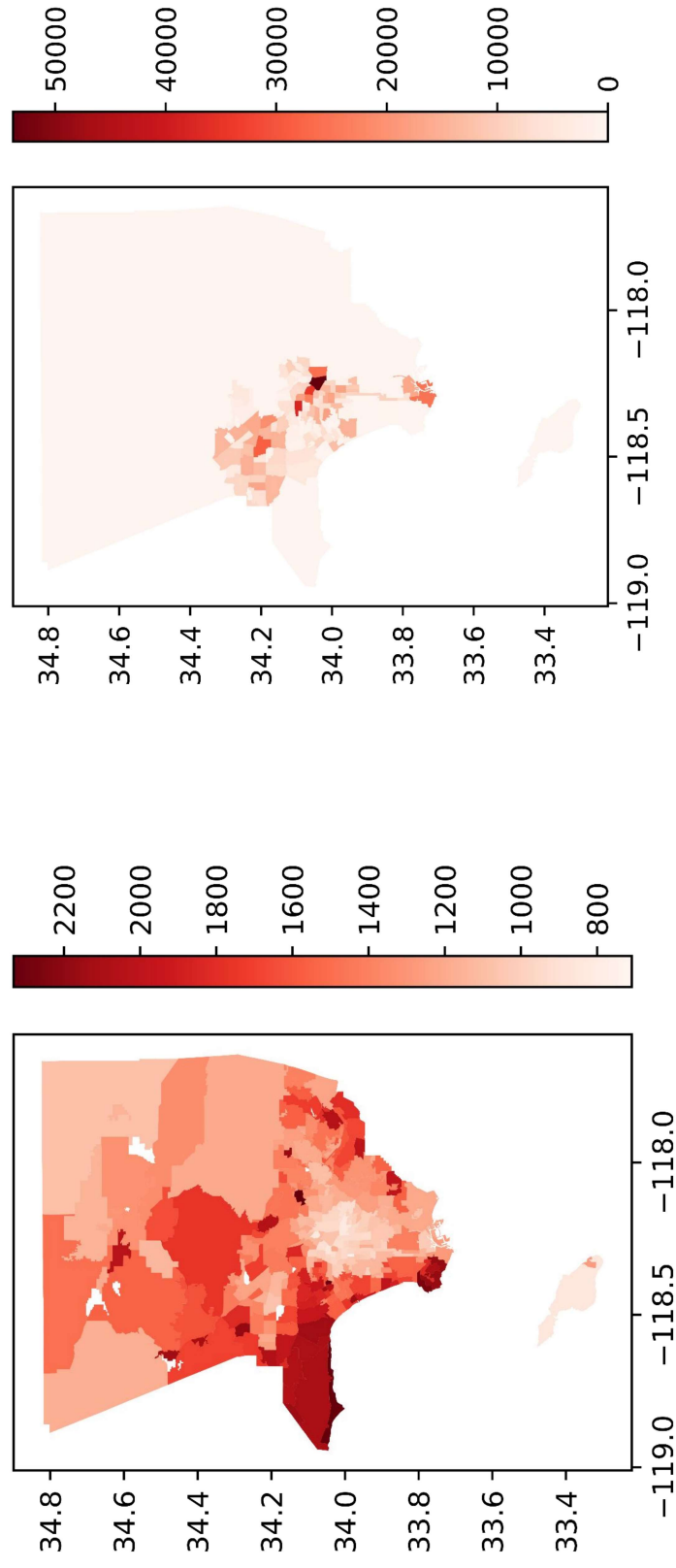
Where is crime ?

Where is crime

You do not want to go to the
downtown



Where is crime



LA neighborhoods rent price (left) and crime count (right)

Try to live in house with high rent if you can afford.

Bad news: rent cost lots of
money

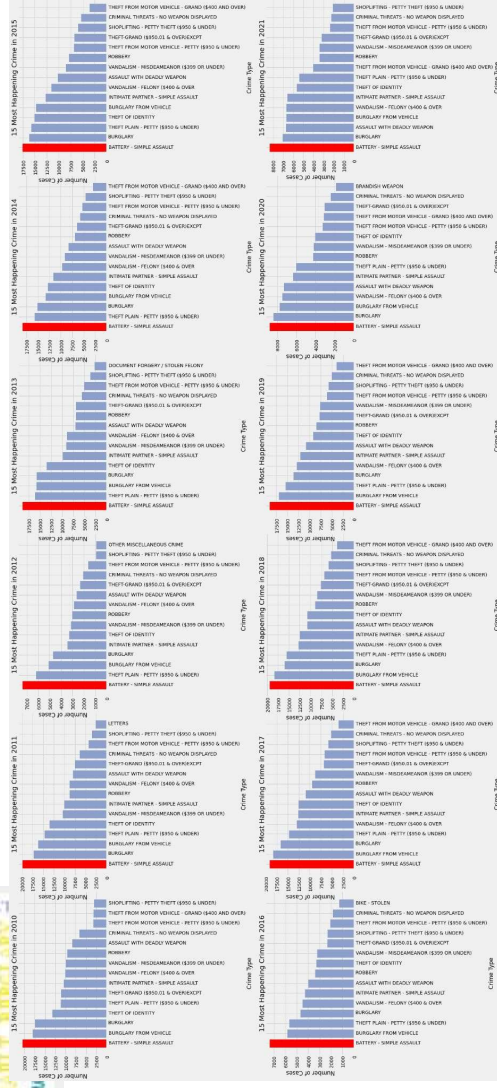
Good news:

We can escape from most crimes if
more careful

1. What kind of crime is more likely to happen ?

What kind of crime is more likely to happen

The records from the police. To our surprise, most frequent crimes are assault and battery, from which we have high opportunity to escape.

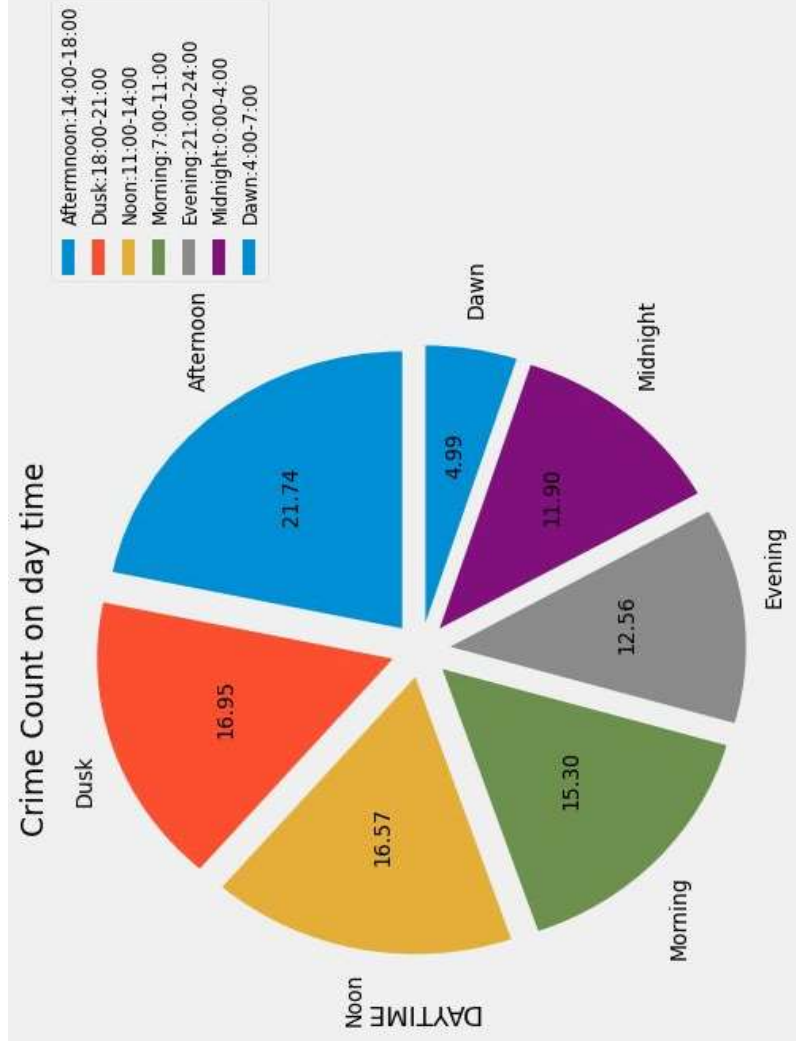


**2. When is the crime more likely to
happen**

When is the crime more likely to happen

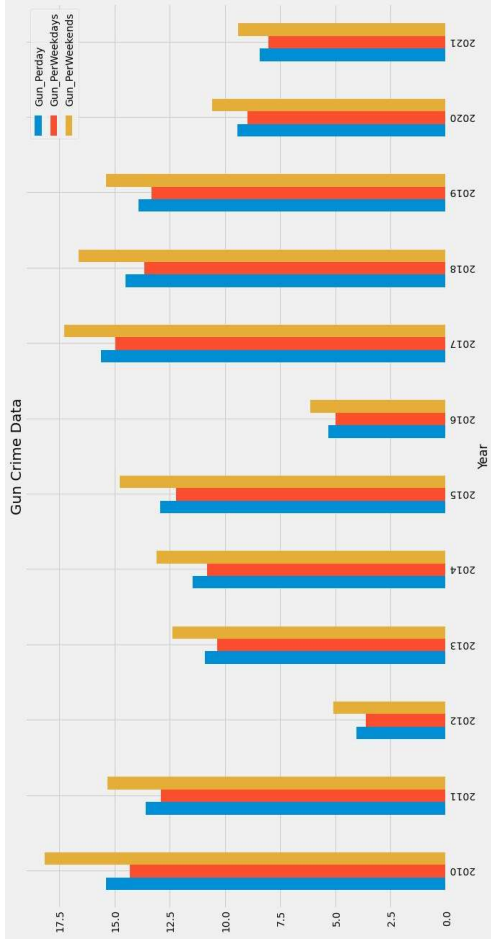
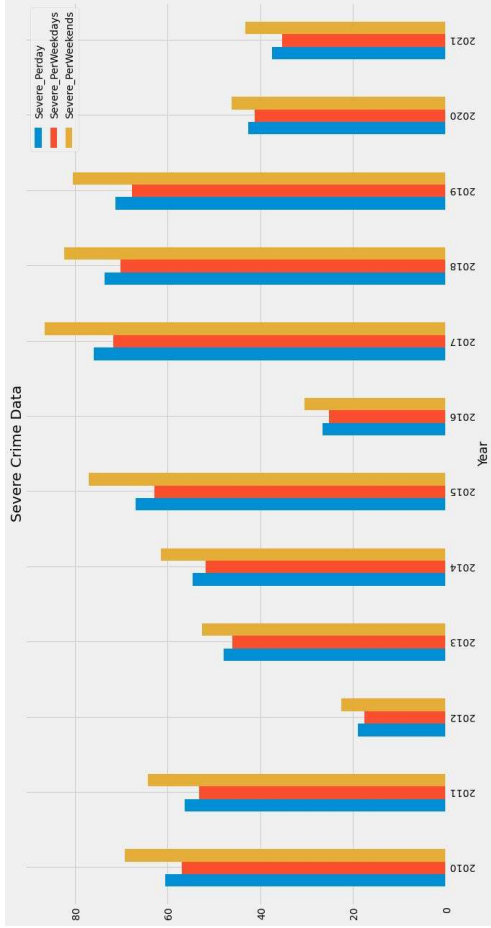
contrary to intuition

Crime is more likely to happen in the daytime. Usually, we carelessly consider it as safe time but actually it is when we are more likely to get involved in crime.



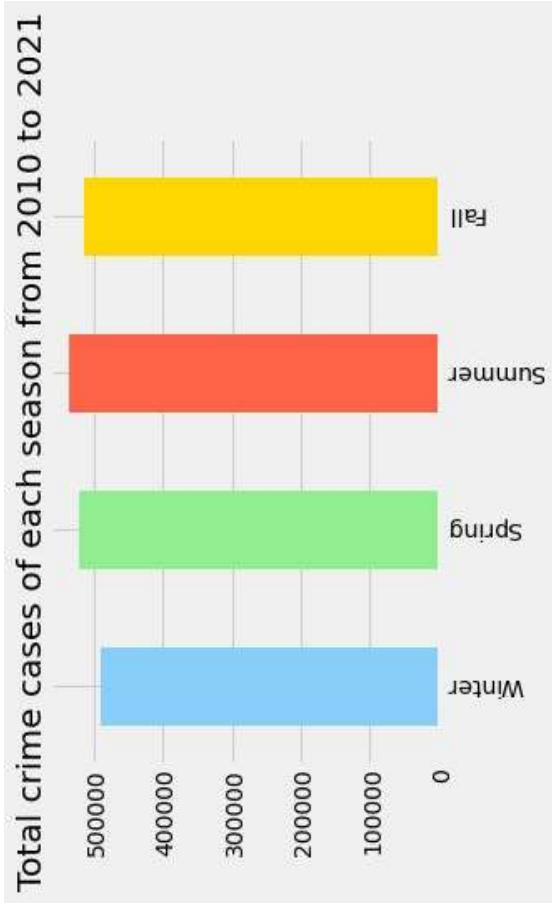
(71 % crime happen in daytime, including morning noon, dusk, afternoon)

When is the crime more likely to happen

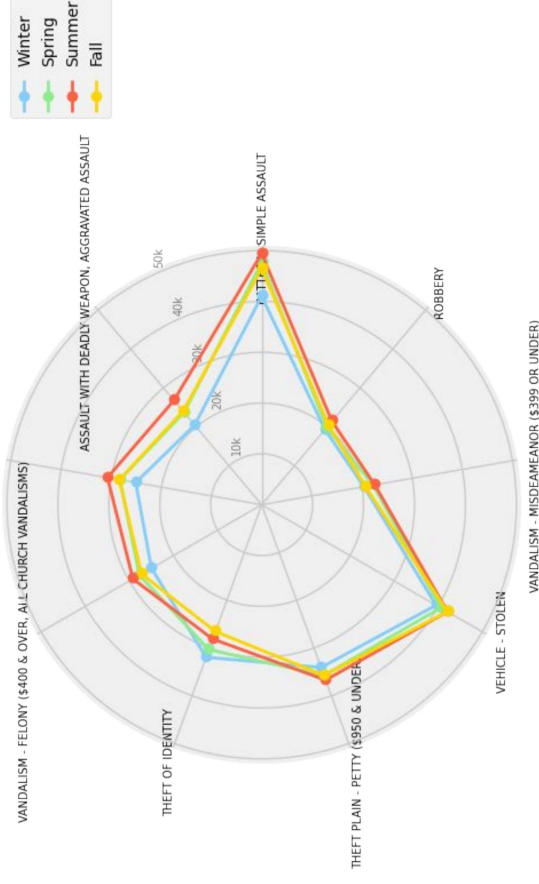


in the weekend when we are enjoying our leisure time and become less cautious, we are more likely to become victims.

When is the crime more likely to happen



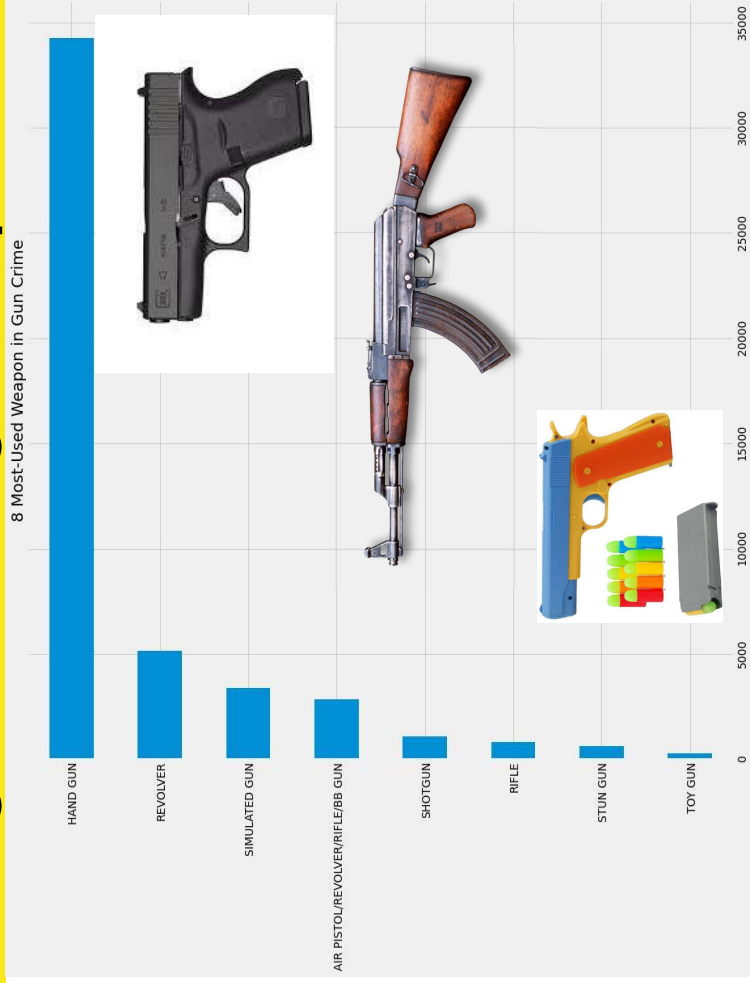
9 crime types have most seasonal difference from 2010 to 2021



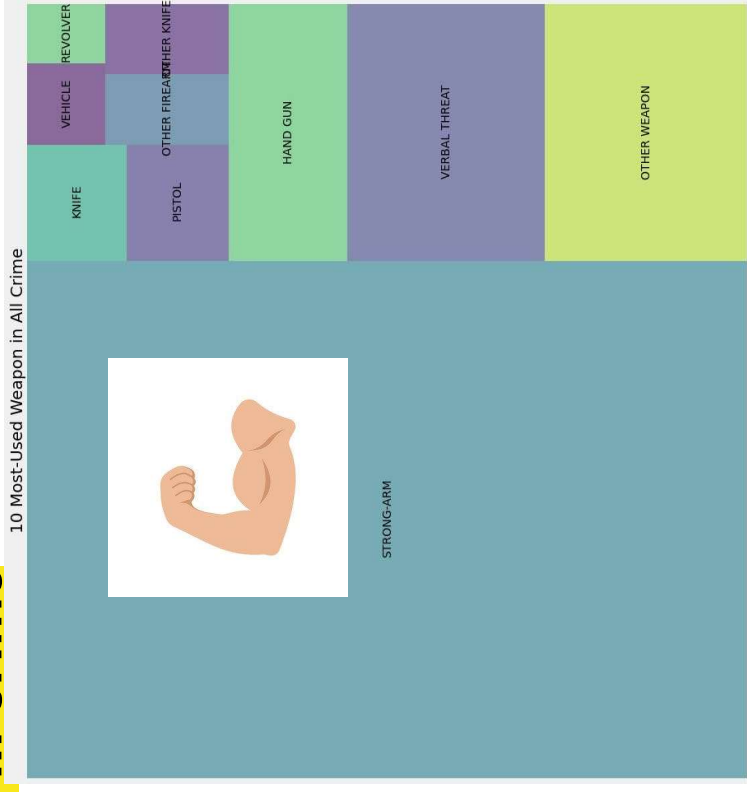
Moreover, when we are enjoying the longer leisure time than weekends, like Summer vacations, we are definitely more likely to get involved in crime.

3.What sign means danger

What sign means danger—weapons used in crime

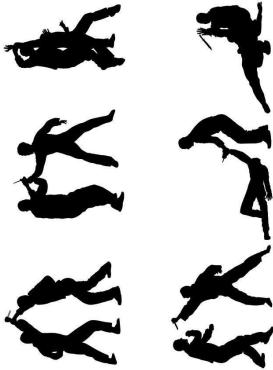


Actually, daily ignored weapons are more likely to get involved in crime. Heavy gun like AK-47 are more threatening than hand guns, but the later are more likely to get involved in crime. It is the same with strong arms versus guns.



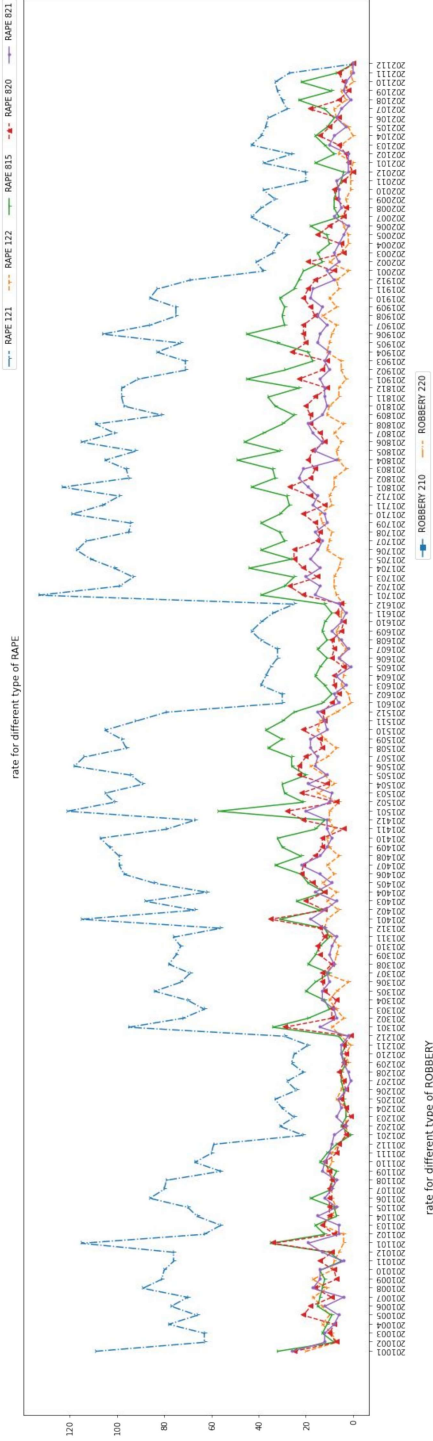
What sign means danger—success rate

Do not underestimate the those signs. They rarely failed ! Don't try to confront on your own.

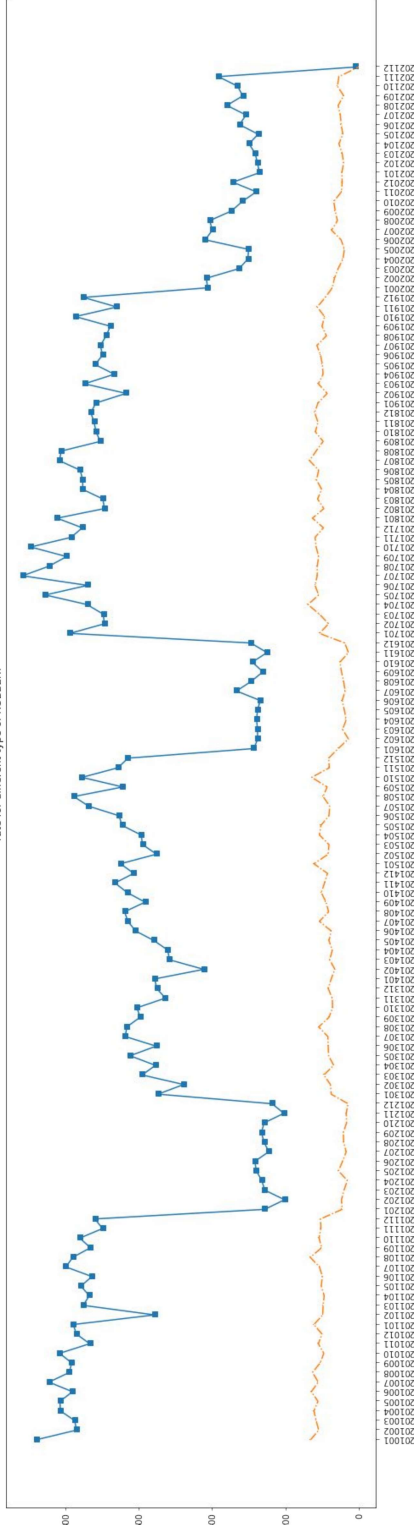


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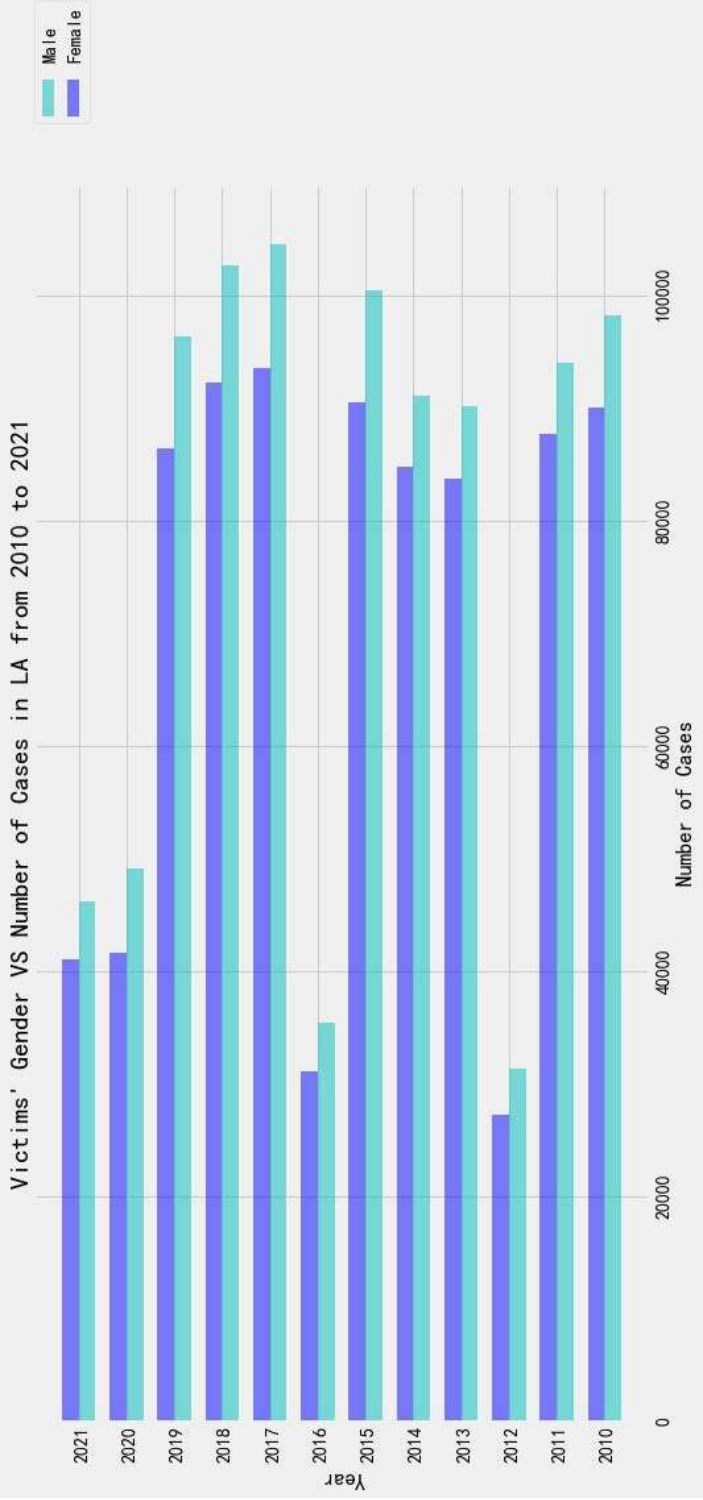
Rape 121—success
Rape 122—failure



Robbery 210—success; Robbery 220—failure

4. Who is more likely to become the victim

Who is more likely to become the victim

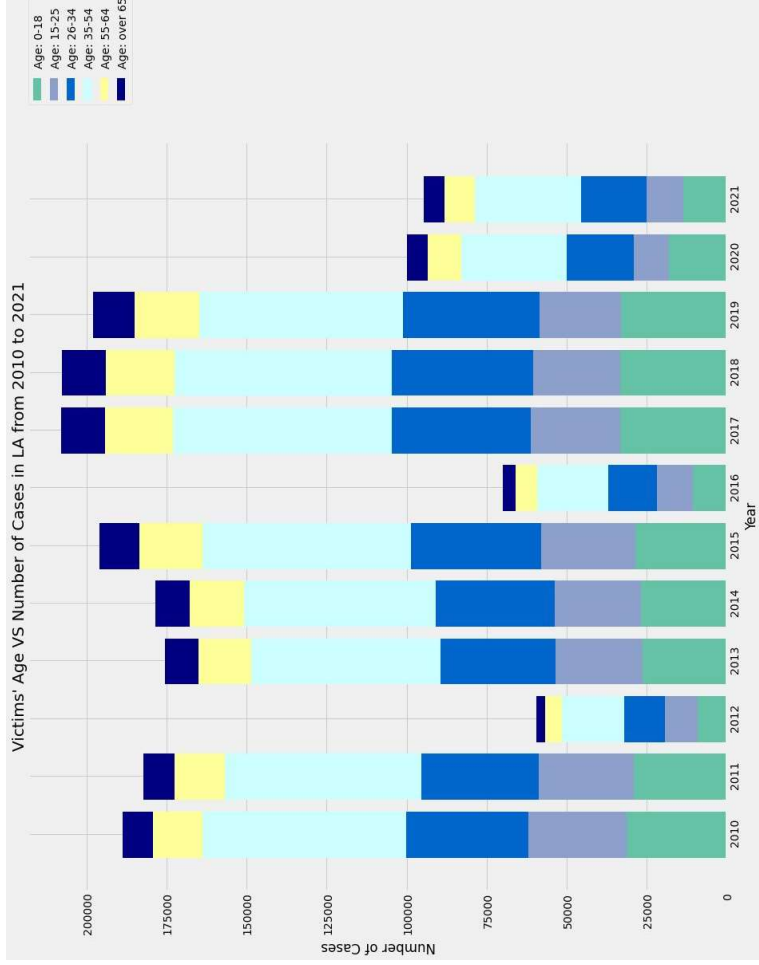
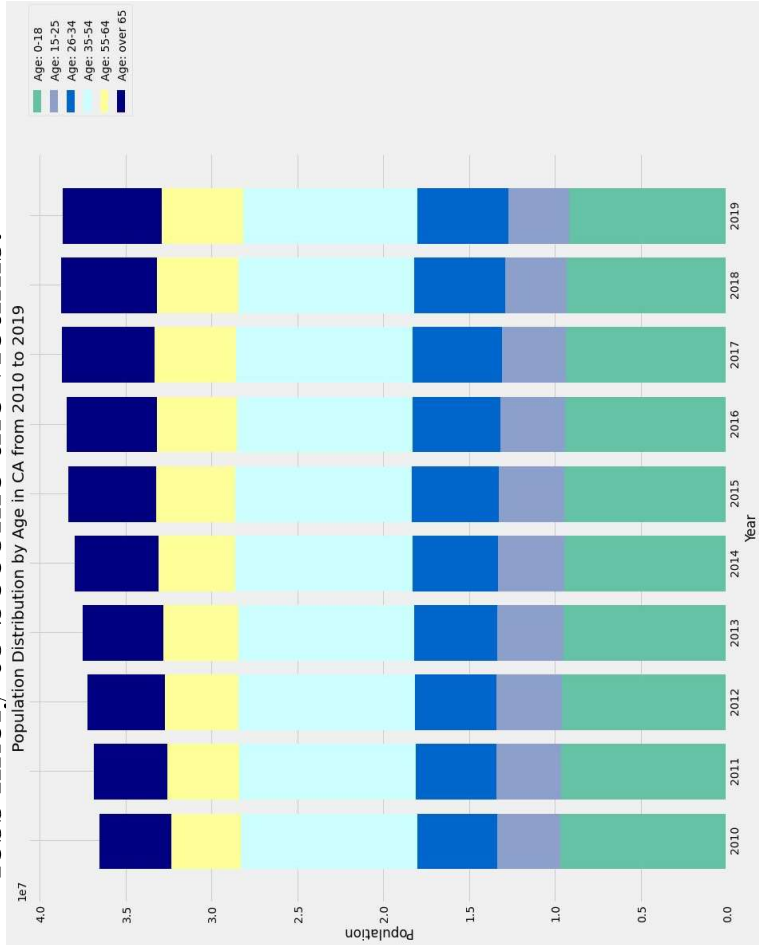


Usually, Male has stronger physical strength while female has stronger self-defense consciousness.

From the data, consciousness is obviously more important.

Who is more likely to become the victim

Again, the old are more vulnerable than the young, but with higher cautions they are less likely to become the victims.



Conclusion

- Most crimes happen we are careless. Usually it is more likely to happen to those with less cautions and happen when people are less cautious.
- In return, it is also the key to escape from crime—be cautious, do not underestimate the potential crime.

Thank you