

# SAN FRANCISCO - CRIME ANALYSIS

2018 version

AS THE POPULARITY OF CITY OF SAN FRANCISCO INCREASES, IT IS CRITICAL FOR THE LOCAL AUTHORITIES AND THE PUBLIC, ESPECIALLY THE NEWCOMERS, TO UNDERSTAND THE AREA AND POSSIBLE RISKS AT A QUICK GLIMPSE.

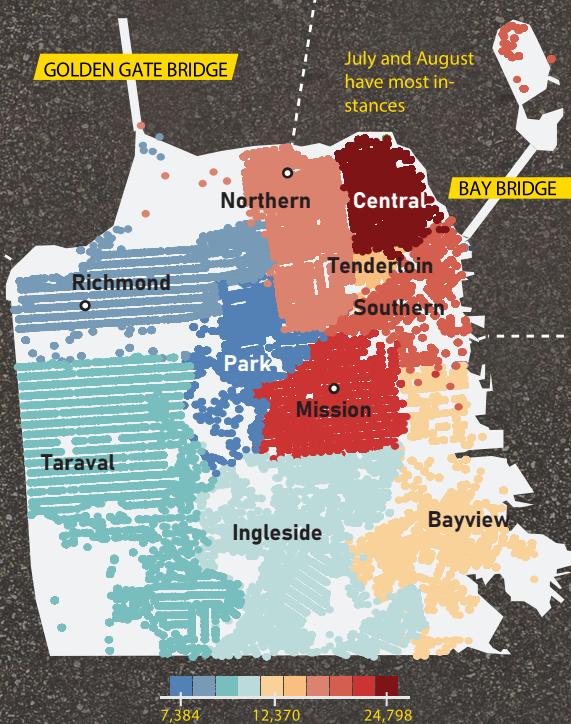
## Violent Crime Instance #2

2018-01-03 (Wed) 11:57 AM  
Weapons Offense - Deadly, Imitation or Laser Scope, Exhibiting  
Resolution: Open or Active  
Location: Golden Gate Park (Richmond)

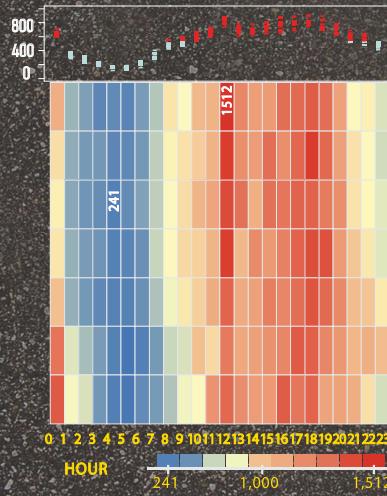
## Dataset Description

This dataset shows the crime incidents that were collected by San Francisco police department or submitted via online reporting system in 2018 in the city of San Francisco. It includes the location by neighborhoods, date/time, incident resolution status and categories of the incidents.

There were 185,706 rows and 33 columns, but only 155,483 instances that happened in 2018 and complete are included in this analysis. Most analysis are performed with aggregation by location and time.



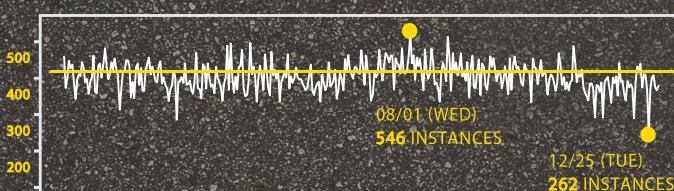
## What day of the week and hour has the most instances?



Where and which month have more instances?



## Daily Number of Instance in 2018

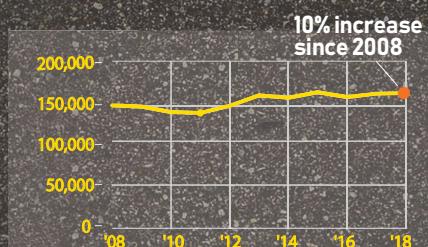


## Violent Crime Instance #1

2018-02-03 (Sat) 4:54 PM  
Robbery on street or Public Place with Knife  
Resolution: Cite or Arrest Juvenile  
Location: Hayes Valley (Northern)

## 10-year crime instance changes

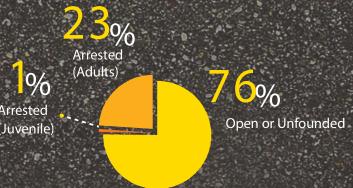
2015 has the highest number (156,526) of instances, followed by 2018 (155,498) and 2017 (154,773).



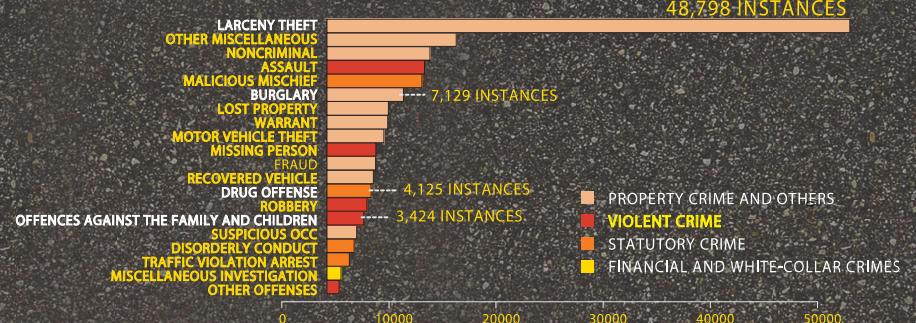
## Violent Crime Instance #3

2018-12-03 (Mon) 1:03 AM  
Homicide with gun  
Resolution: Open or Active  
Location: Mission

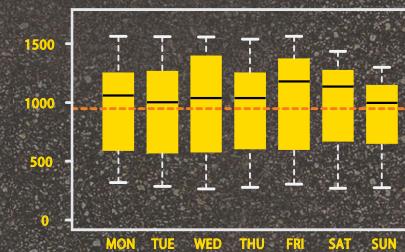
## Police Performance Evaluation



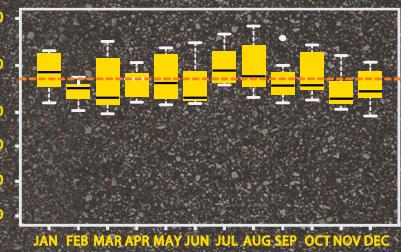
## Top 20 Crime category in 2018



## Hourly distribution by day of the week



## DayOfWeek Instance Distribution by Month



## Violent Crime Summary

Do they have higher resolution rate?



Violent crimes are defined as those offenses that involve force or threat of force.

Usually referring to offenses against the Person, involving physical contact or threat.