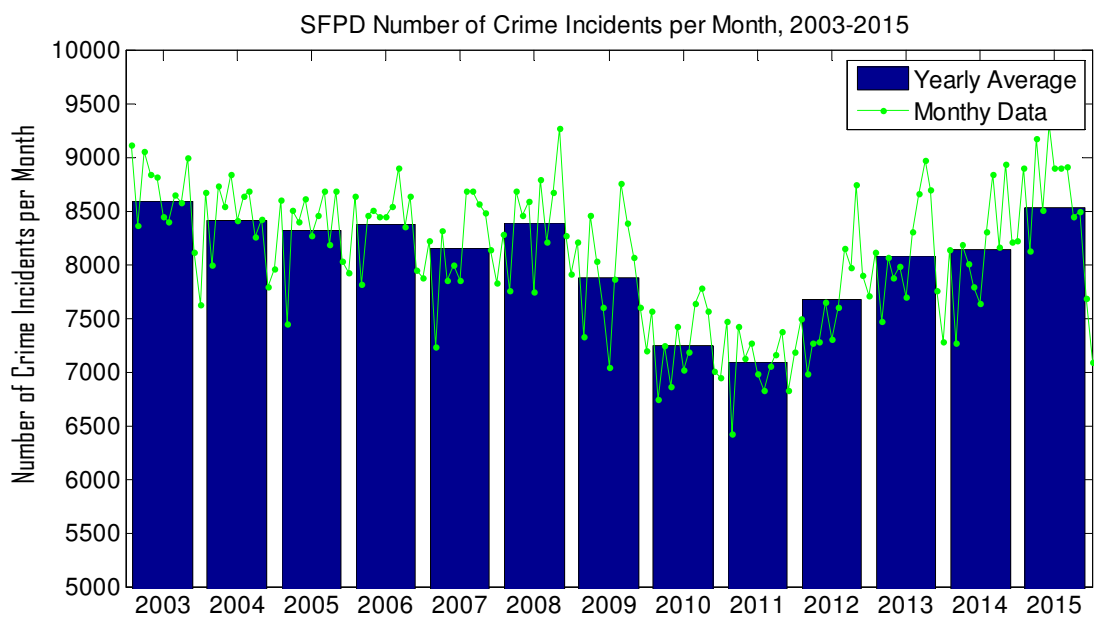


San Francisco Crime Has Increased for Four Consecutive Years (2012 – present)

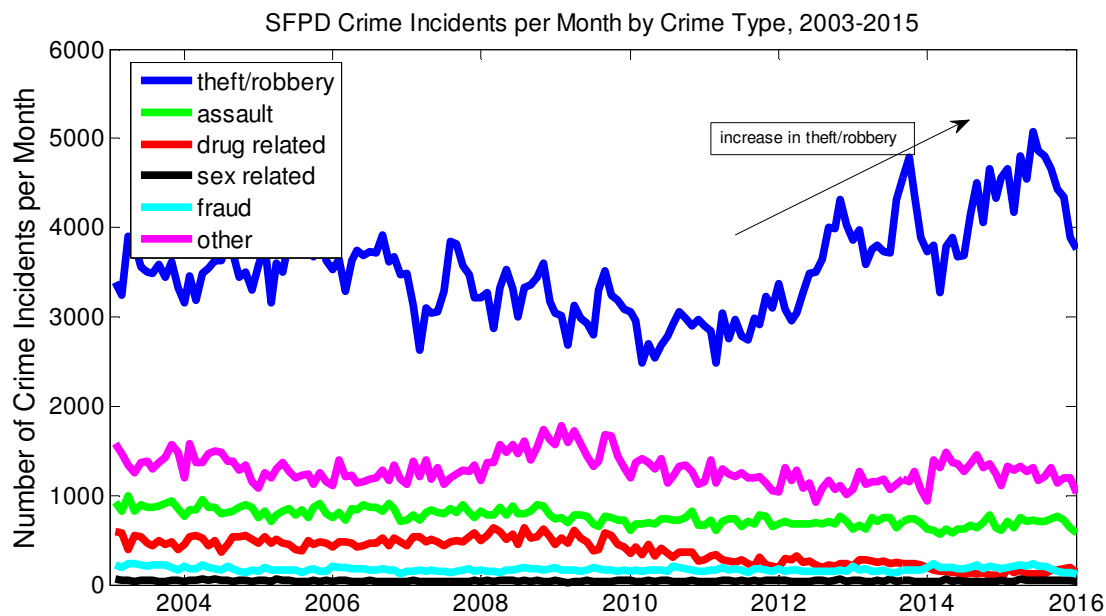


This figure shows the average number of crime incidents per month as computed from individual incident reports archived in the San Francisco data portal (<https://data.sfgov.org/Public-Safety/SFPD-Incidents-from-1-January-2003/tmnf-yvry>). The average for each year, shown by the blue bars, increases relative to the prior year beginning in 2012 and continues to increase each year through 2015. Individual monthly averages are superimposed in green to indicate the intra-year variability of the data.

The .csv data downloaded from the portal were read in MATLAB using

```
data=textscan(fid,'%f %q %q %q %q %q %q %q %q %f %f %q %f','delimiter',  
,',' ); %"q" handles text enclosed in quotes....
```

Incidents categorized as 'NON-CRIMINAL', 'MISSING PERSON', 'SUICIDE', and 'RUNAWAY' were exclude from the averages, as were duplicative entries (i.e. multiple entries with the same incident number were counted as a single incident).



It’s clear from this figure that the increase in crime beginning in year 2012 is largely a result of more frequent theft and robbery incidents, which increased from a low of roughly 3000 incidents/month in

2011 to over 4000 incidents/month for most of 2015 (see the blue plot above). The figure shows that the other crime categories examined did not exhibit an increase, and it's interesting to note that the drug related incidents (red plot) decrease in number during the same period (2012 through 2015) that the theft/robbery incidents are increasing.

The crime categories were determined by searching the "Category" data field for keywords: 'theft', 'robbery', and 'burglary' for the theft/robbery plot; and these keywords for the others – 'assault'; 'drug'; 'sex'; 'fraud'; 'other'.