CRIME AS IT RELATES TO POPULATION AND DENSITY

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Research Proposal

- Is crime more prevalent in urban areas or rural areas?
- More specifically what are the statistics for the communities in Utah County?

Hypothesis

- The more dense and large a population is the greater the crime rate.
- Rural areas have less violent crime due to the close knit community sentiment common in these areas.

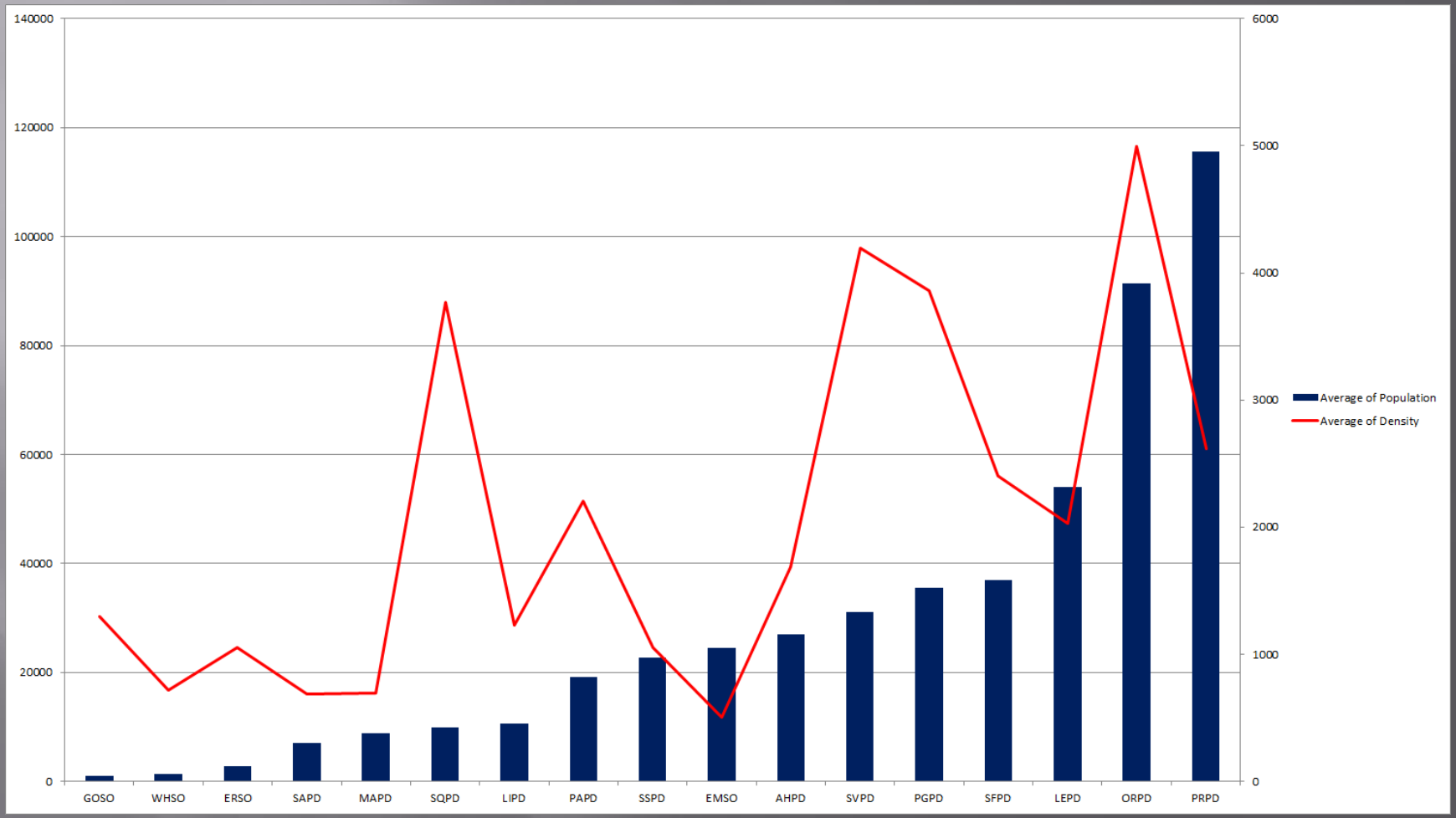
Researched Data

- Data was obtained using local agencies reporting system called Spillman
- Data included all criminal offenses reported and not just the highest offense committed
- Microsoft Excel was used to filter and sort data and to create graphs
- Graphs were used to analyze the data

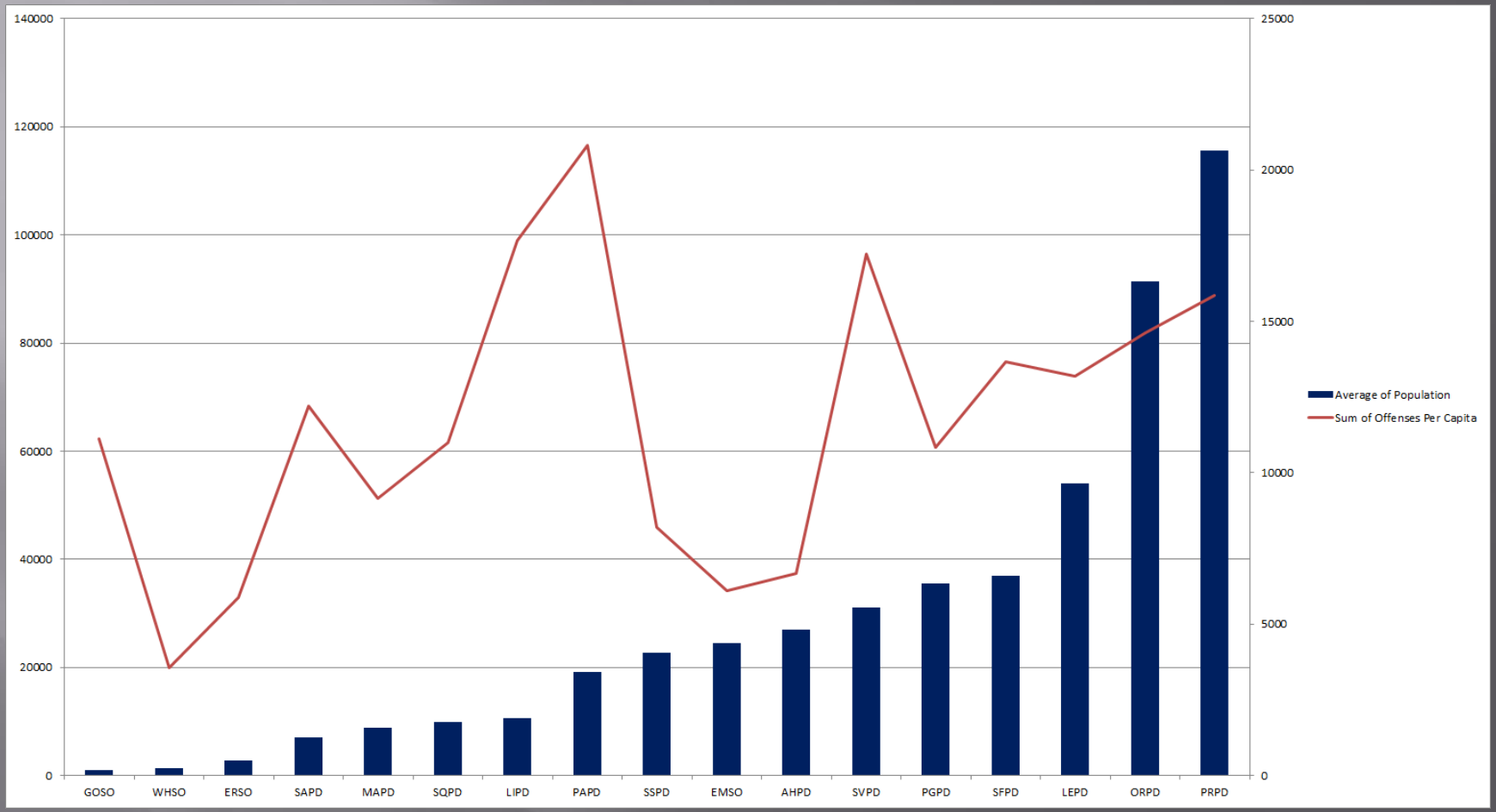
Margin of Error

- Population Density Calculations do not account for un-inhabited areas within the cities studied
- Reporting inconsistencies among the agencies
- The reported call vs. the actual call
- Some areas were not studied

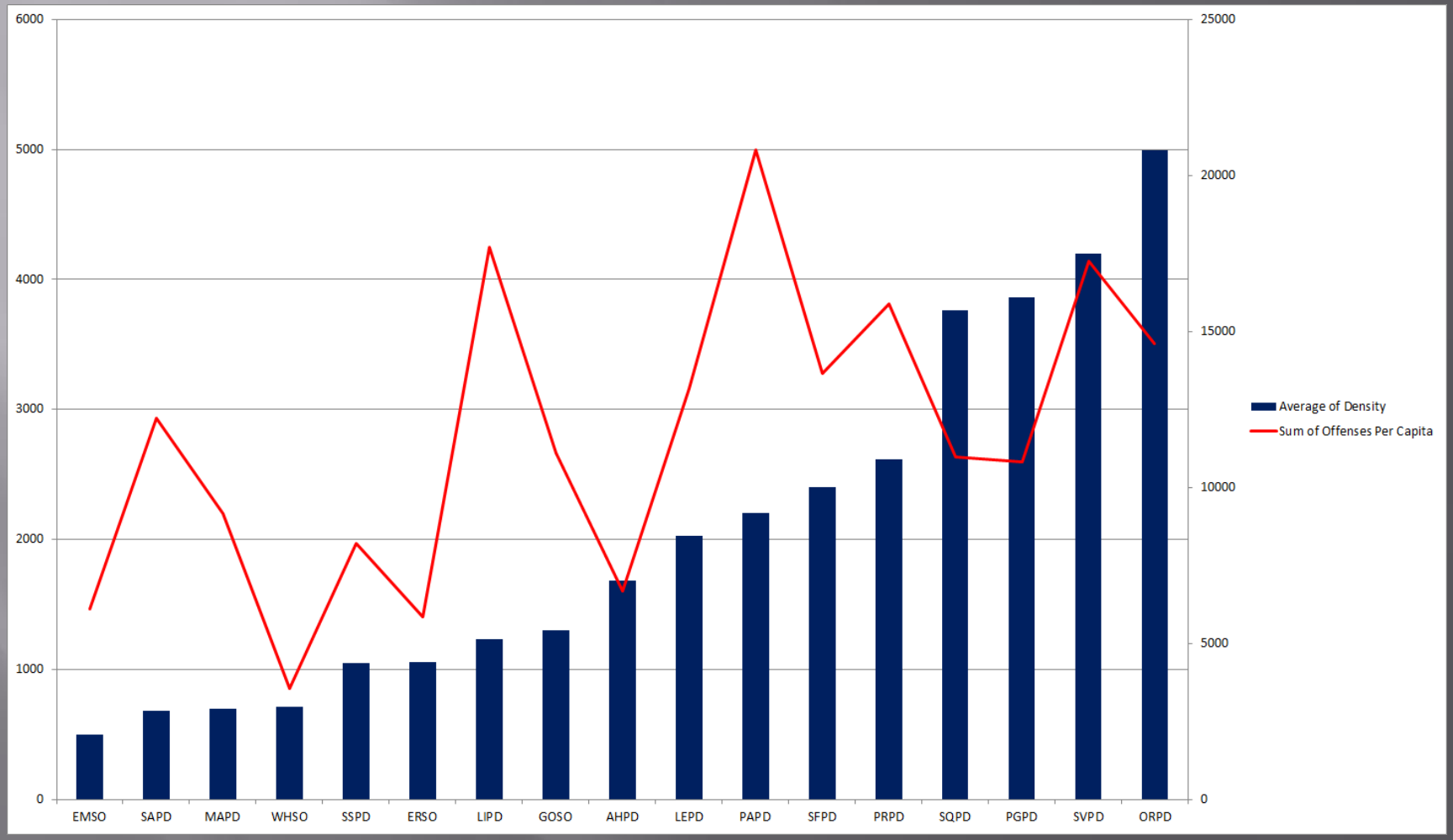
Population and Density



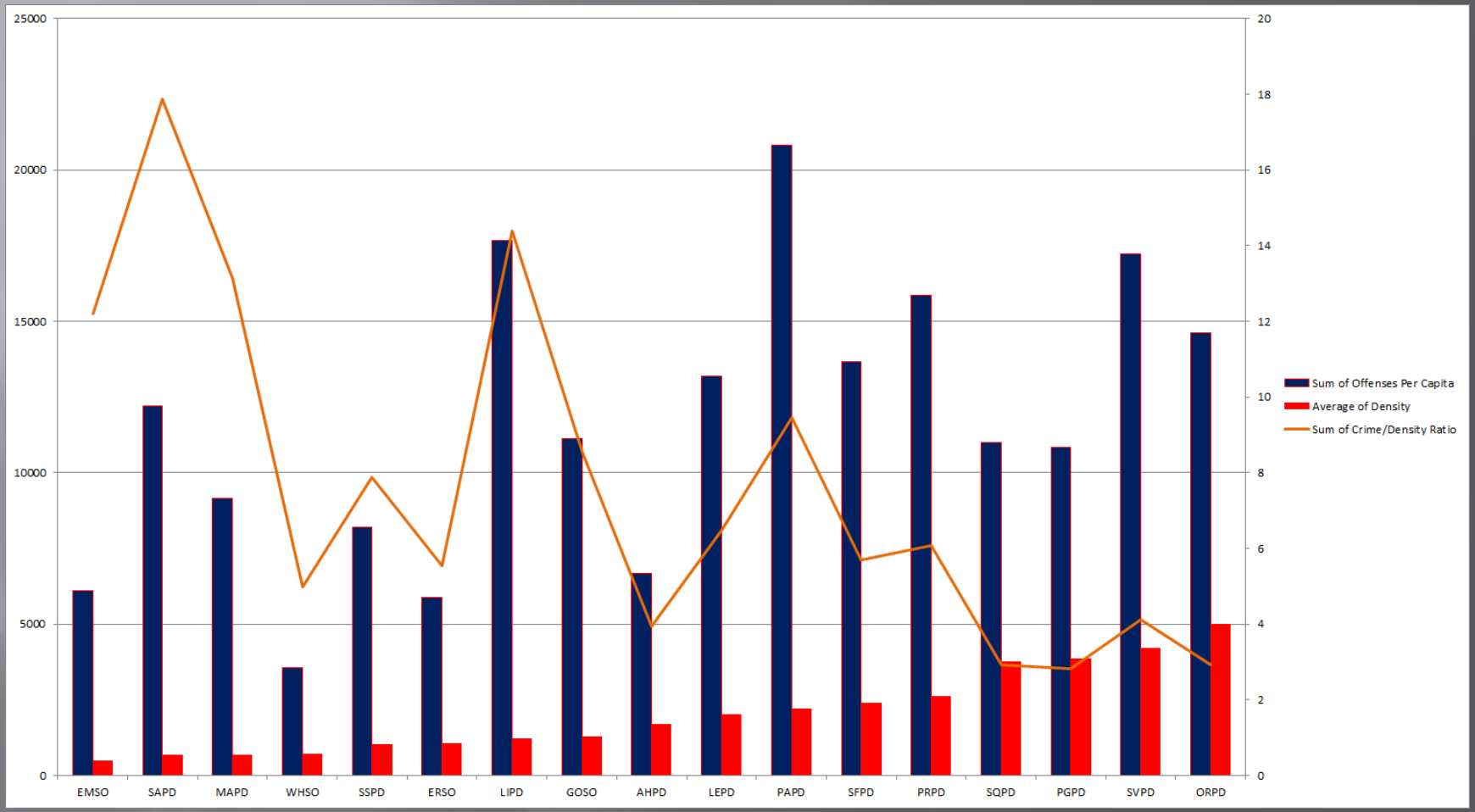
Crime and Population



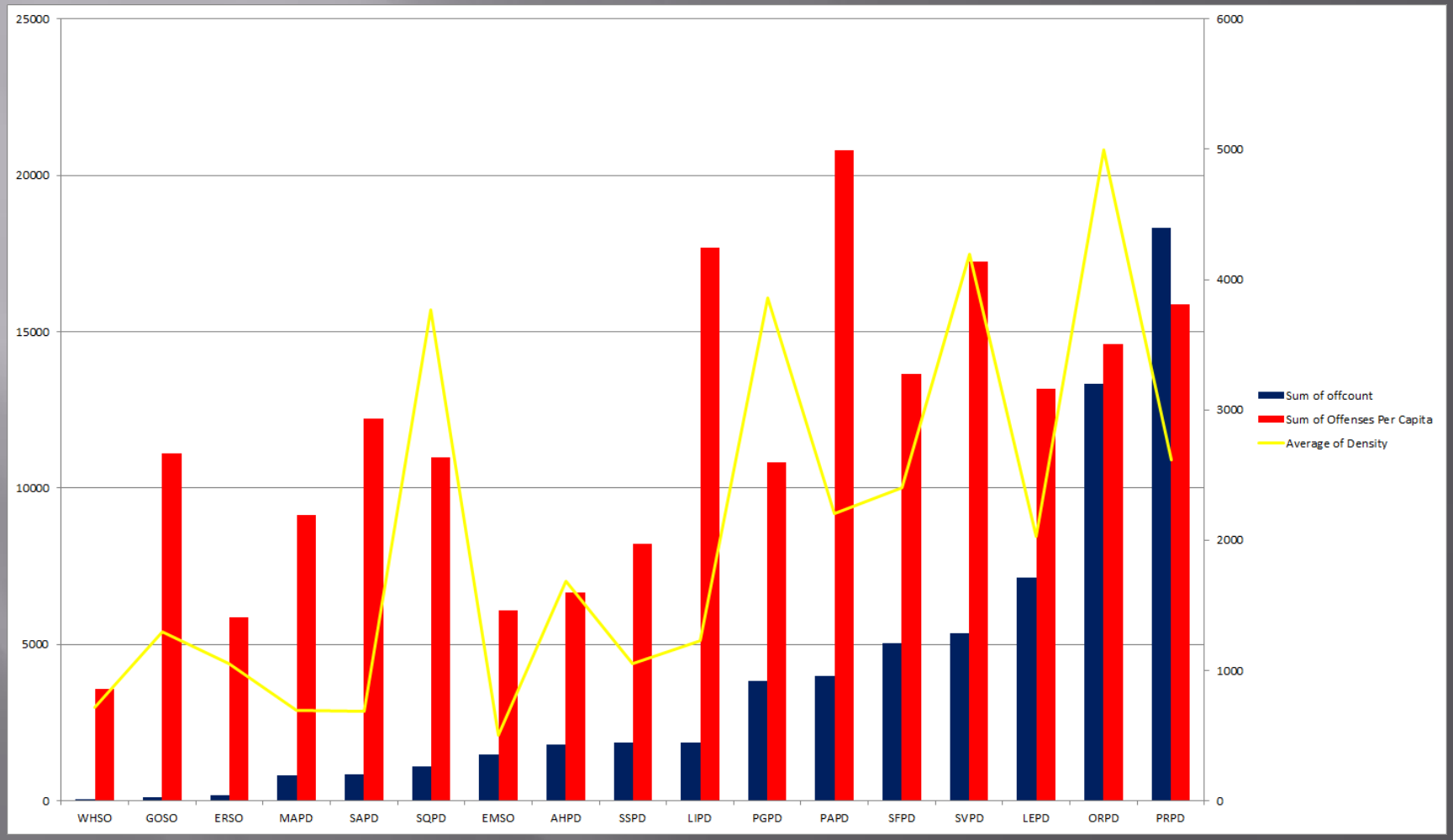
Crime and Density



Crimes Per Capita and Density (with ratio)

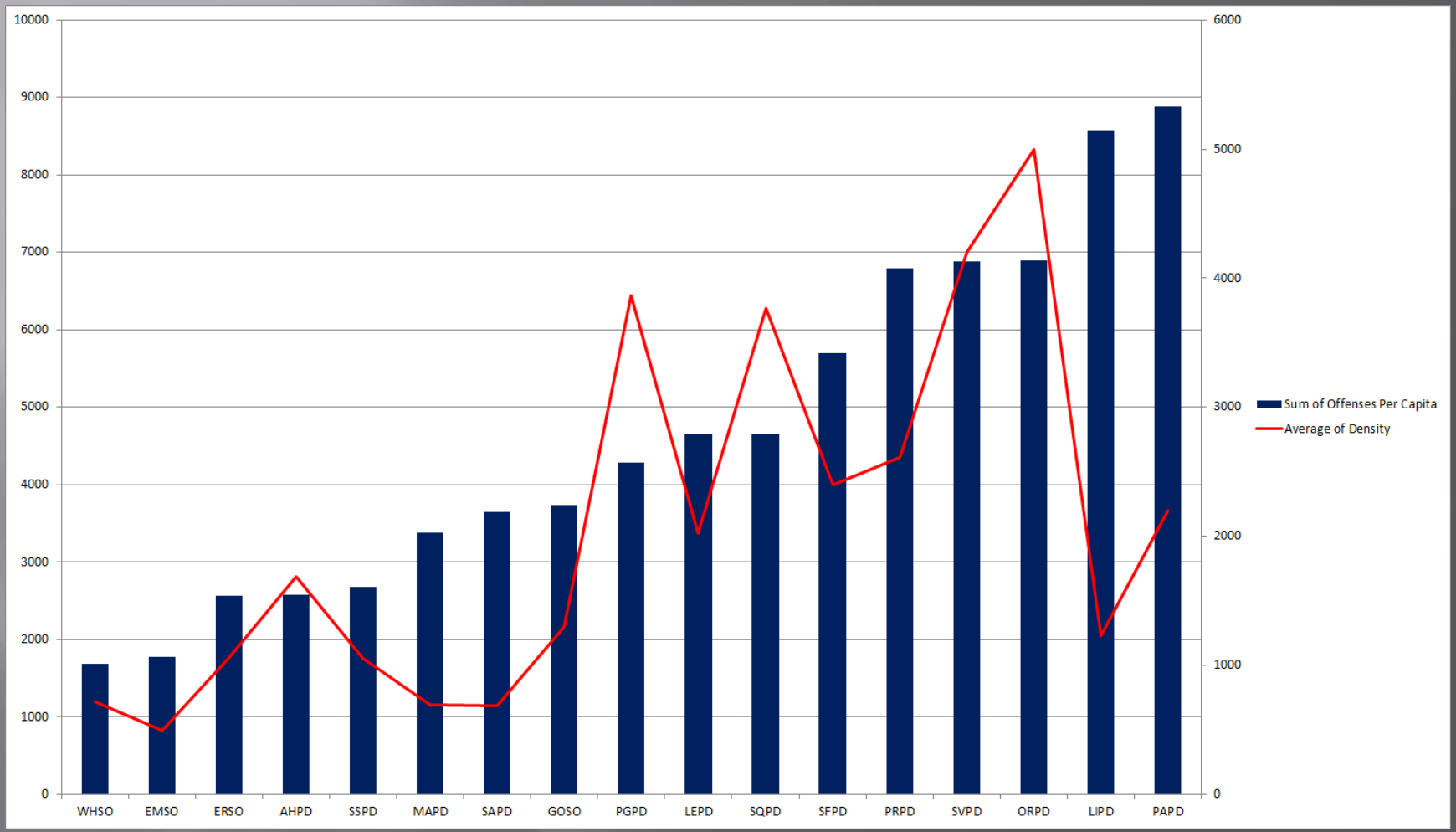


Total Offenses and Per Capita Offenses with Density

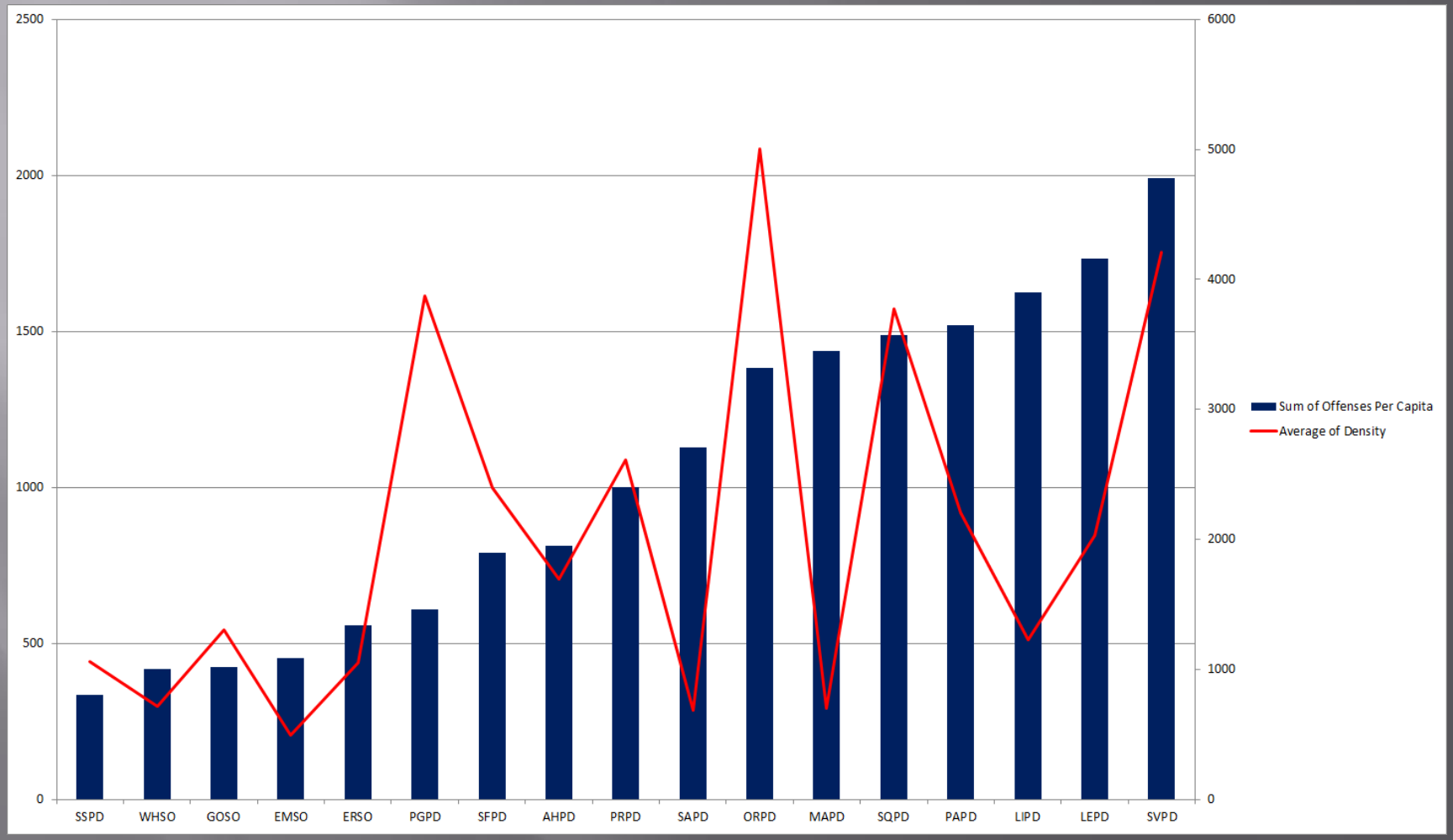


Theft Related Crimes and Population Density

(Burglary, Theft, and Vehicle Theft)

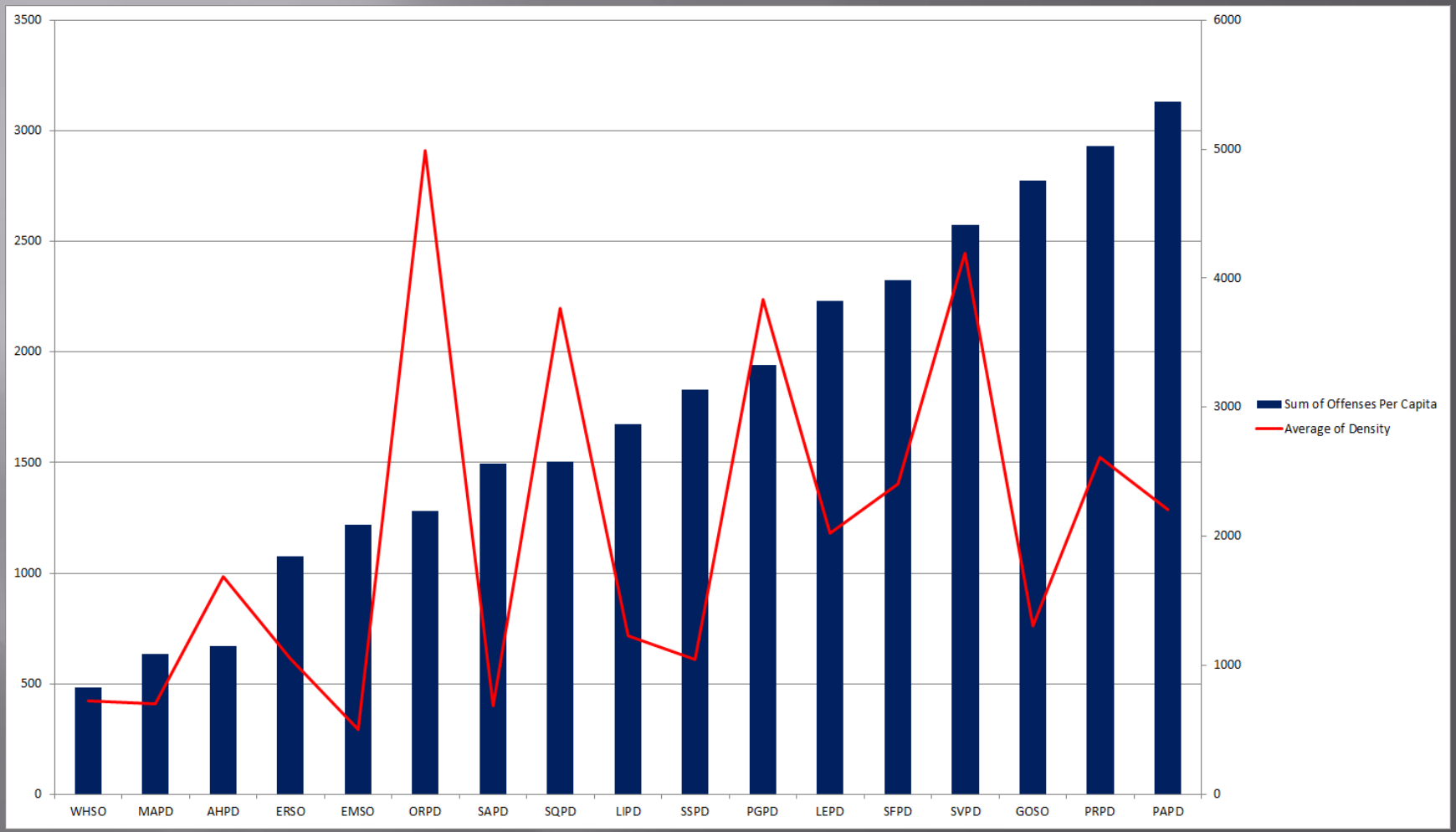


White Collar Crimes



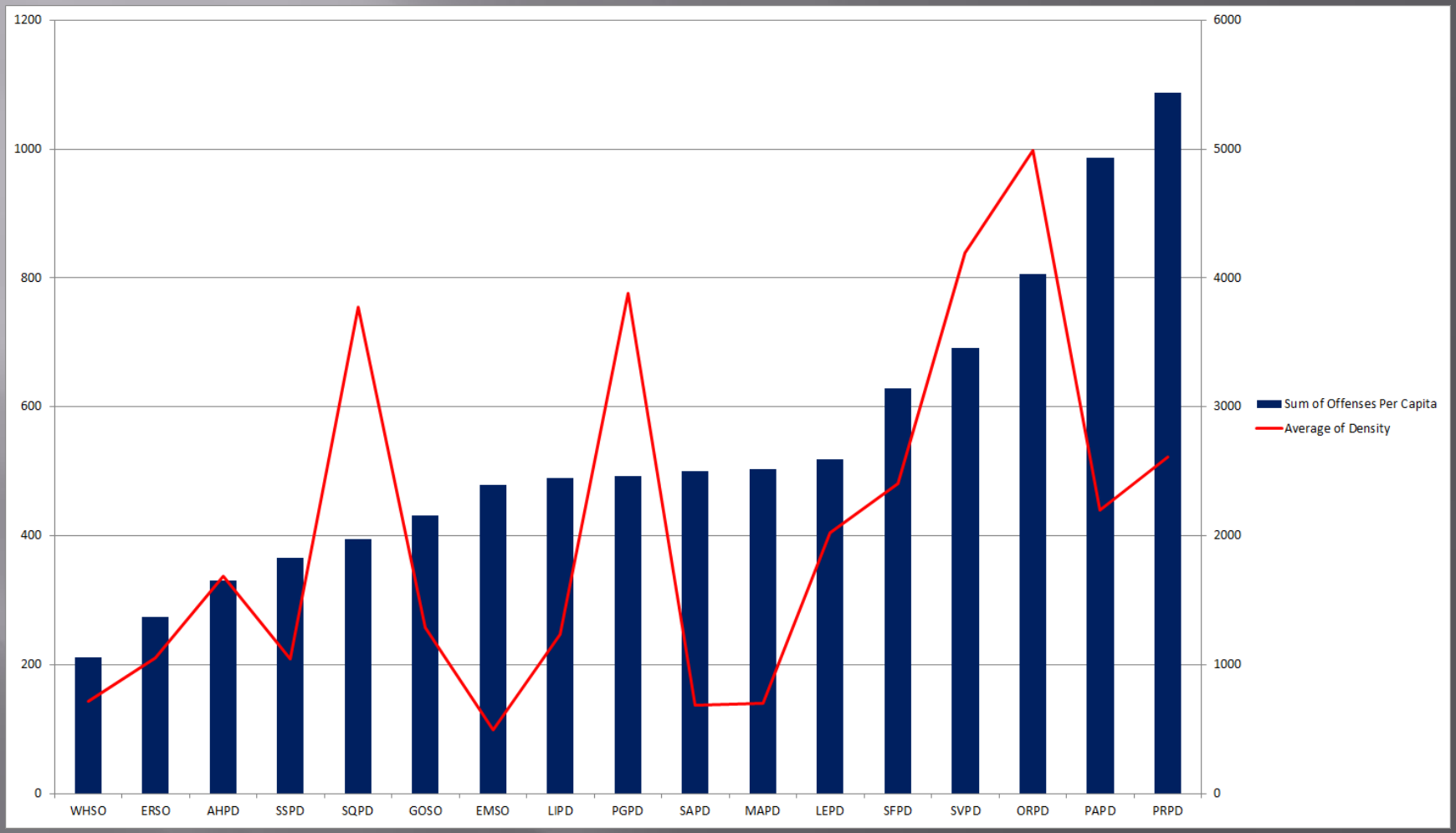
Violent Crimes & Population Density

(Assault, Domestic Violence, Homicide, and Robbery)

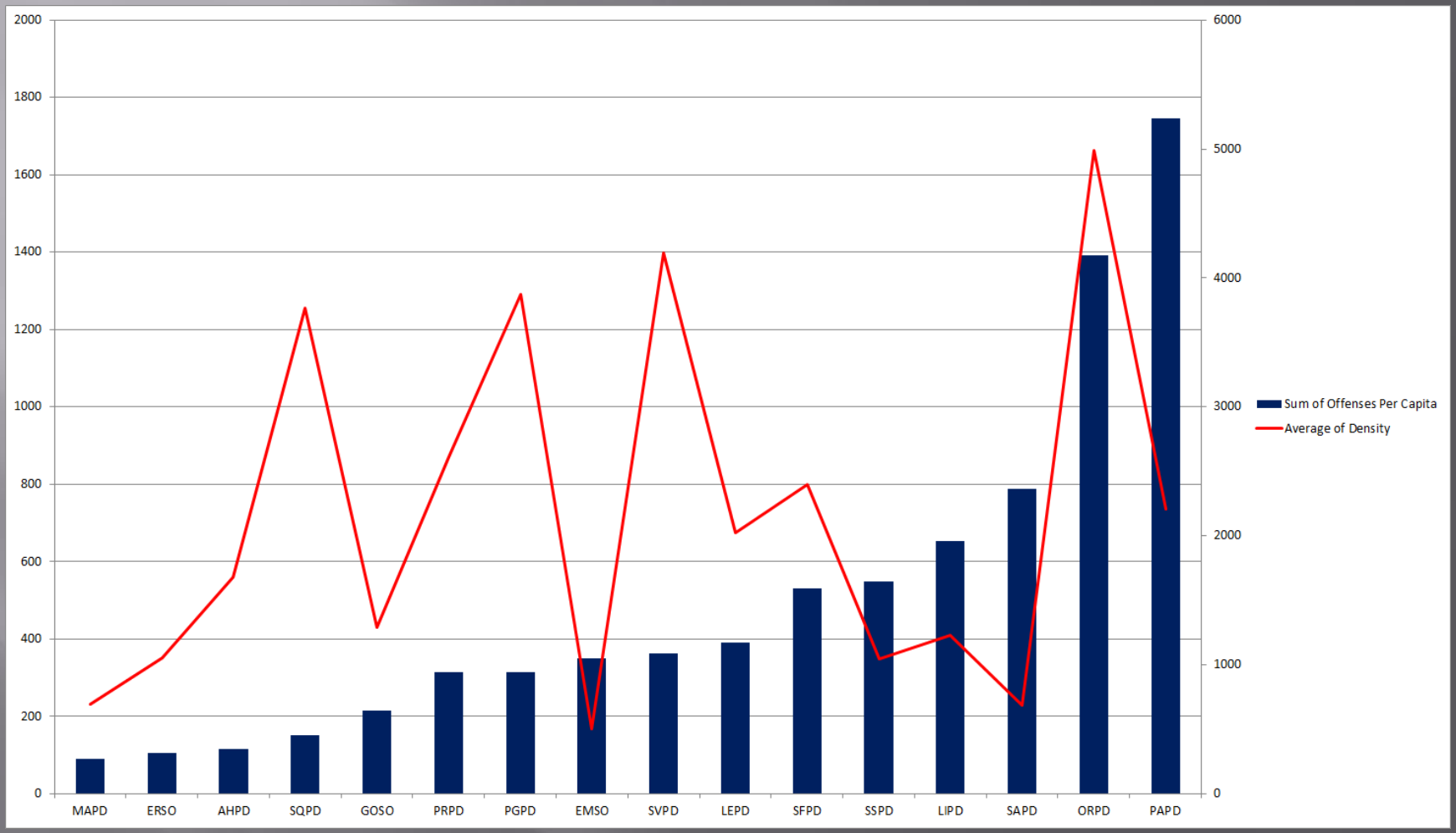


Sex Crimes and Density

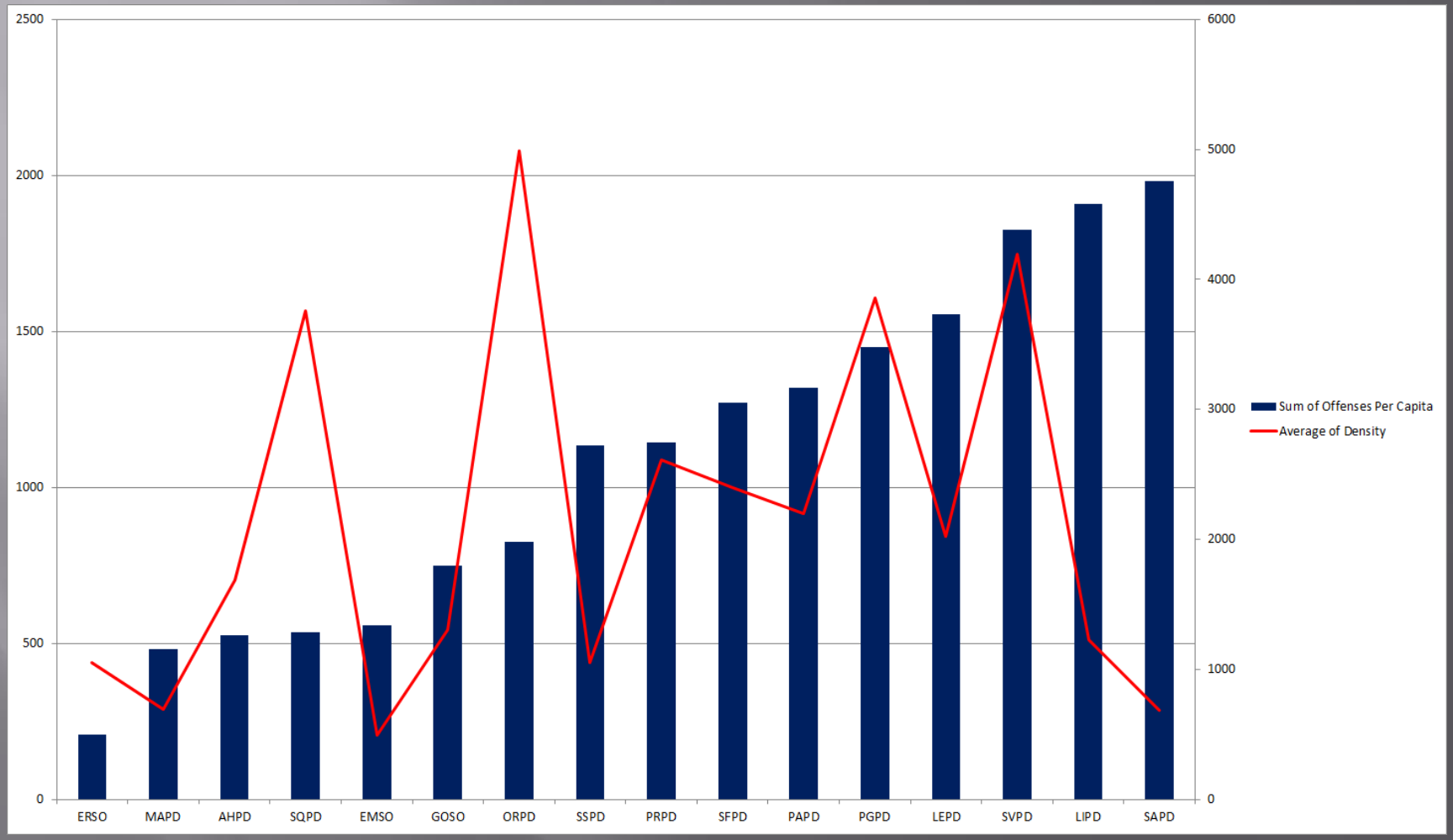
(All sexual related offenses)



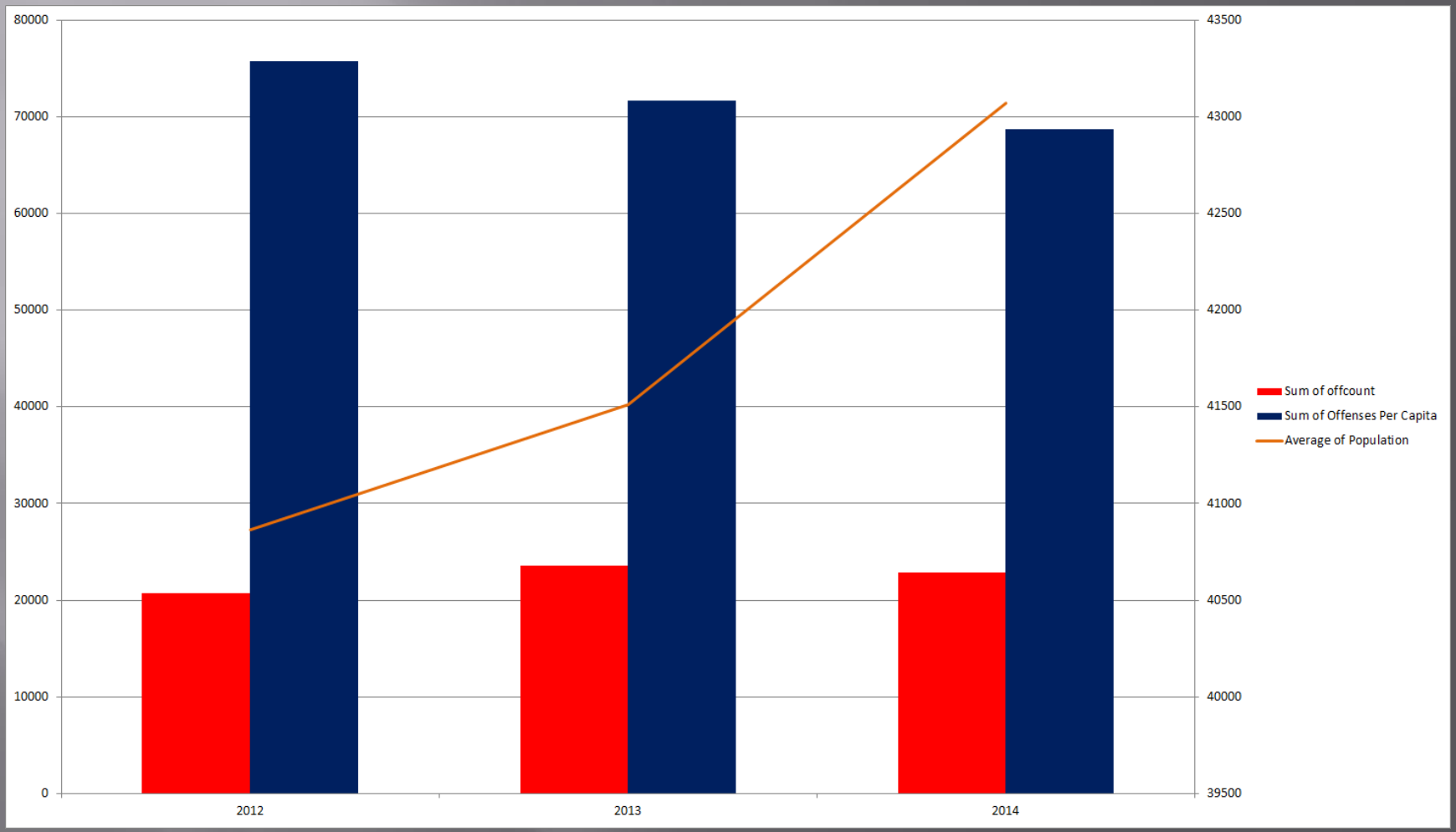
Child and Elderly Abuse



Drug Offenses



Offenses and Population by Year



Conclusion

- While population density does trend with crime rates it does not directly correlate to them
- More information would be needed to conclude why some areas with low density have high crime rates while some areas with high density have lower crime rates
- Information could include: income levels, family dynamics, housing, policing methods, etc.