

The background of the slide features a black and white aerial photograph of a city skyline at night. The skyline is filled with numerous skyscrapers of varying heights, their windows glowing with light. In the lower right quadrant, a large, circular stadium or arena is visible, its roof reflecting the surrounding lights. The overall atmosphere is one of a bustling, modern metropolis.

LOS ANGELES COUNTY HOMELESSNESS

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Lantian (Laura) Qin

Keying (Claire) Que

Ruoxian Jia

Yue Shi

AGENDA

01

Data Description

Visualization & Analytics

02

03

Next Steps

Backup Slides

04

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01

PART

0 |

Data Description

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DATASET DESCRIPTION

Homeless Count

HC2016_Total_Counts_by_Census_Tract_LA_CoC_07132016
Homeless-count-2017-results-by-census-tract

311 Calls

311_calls_w_CTs20171102134828

Crime

crime_w_CTs20171102134814

Shelter

shelters_w_CTs20171102103122

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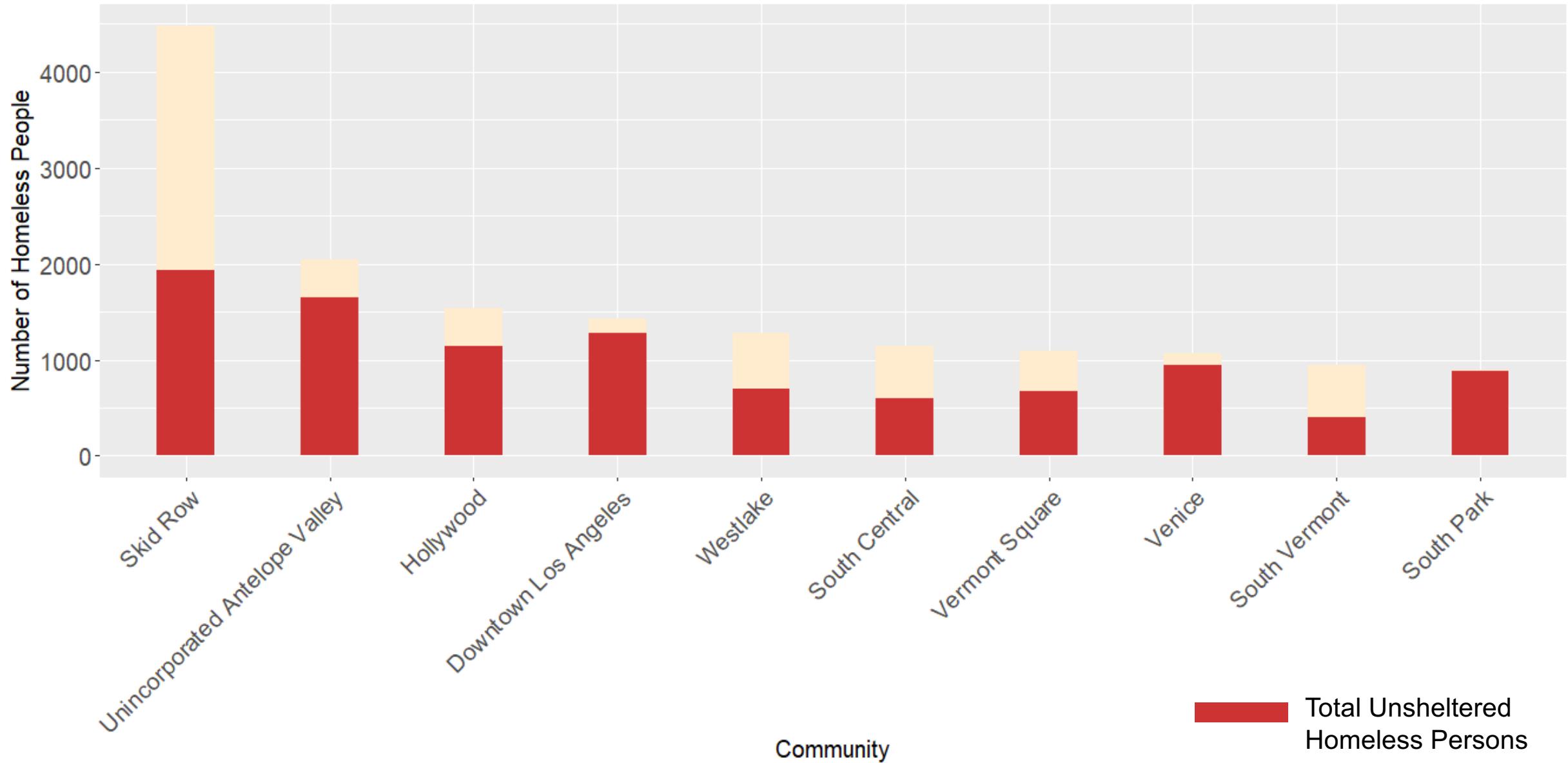
Visualization & Analytics

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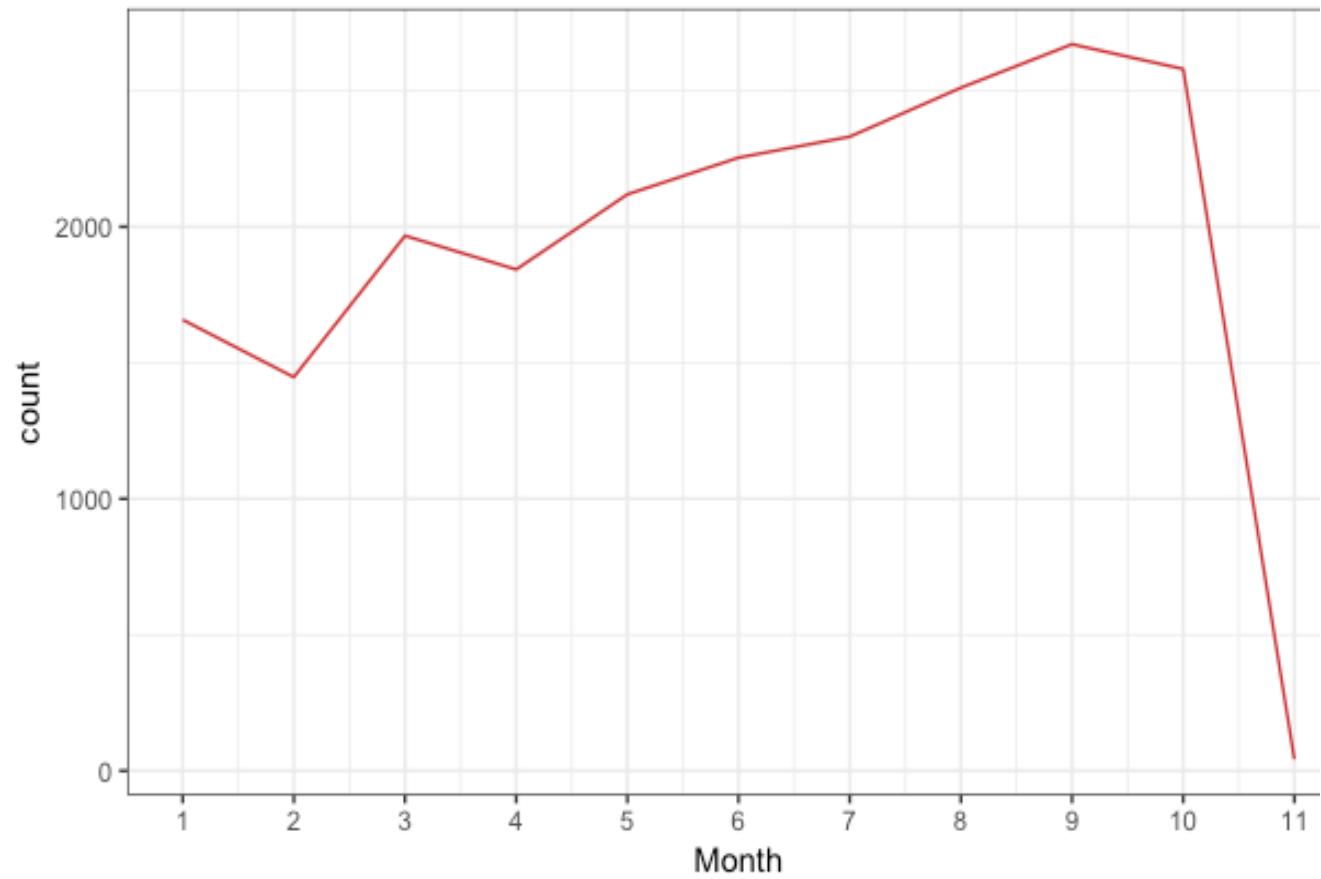
Homeless Count

Top 10 Communities with Highest Homeless Count

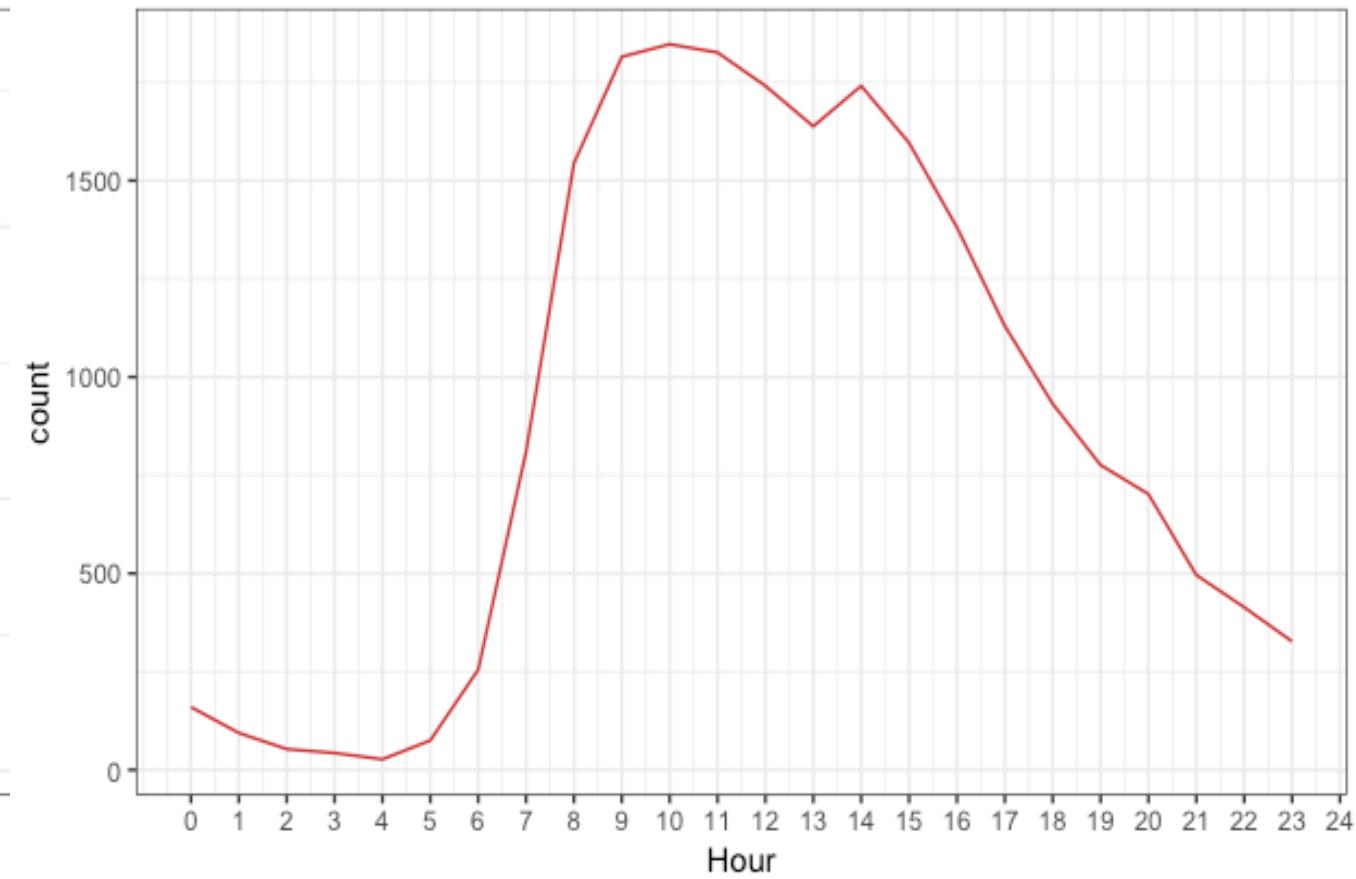


311 Calls

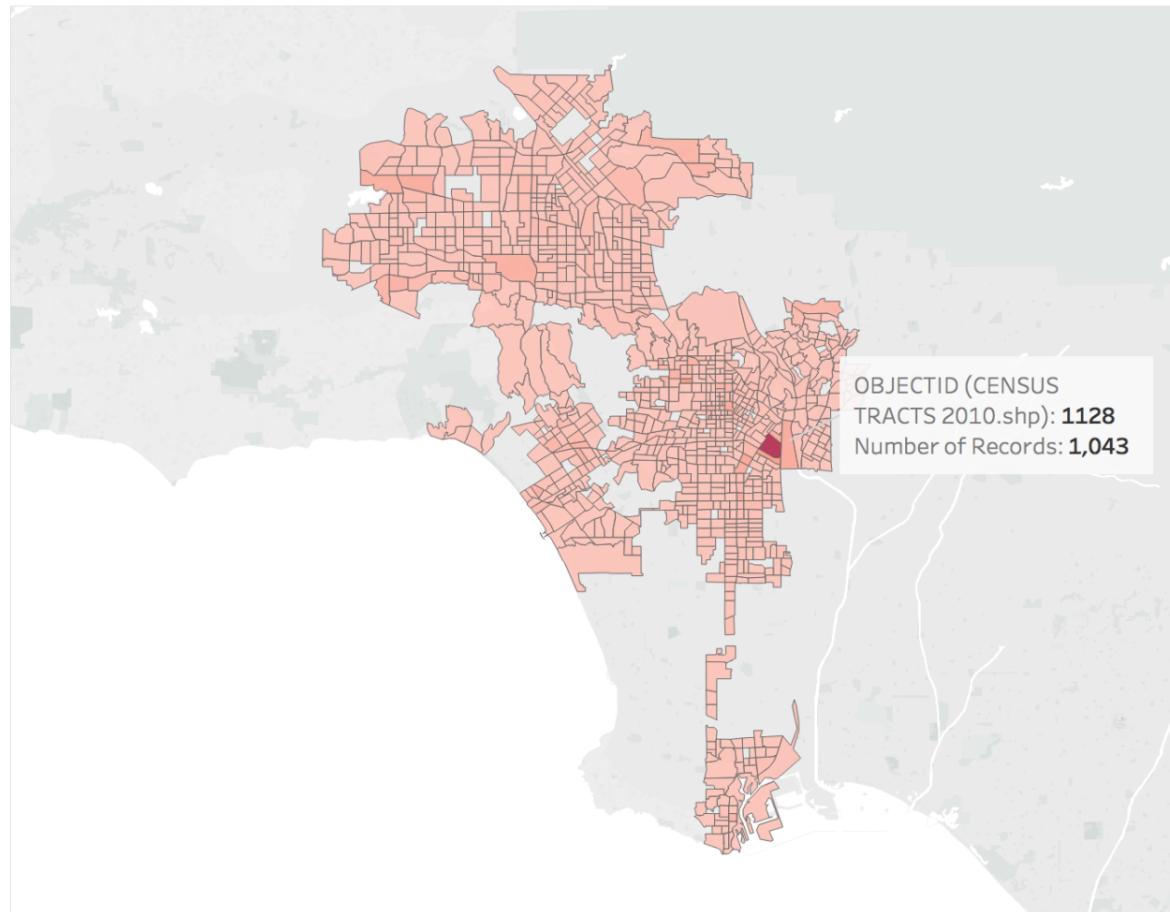
Number of Calls per Month



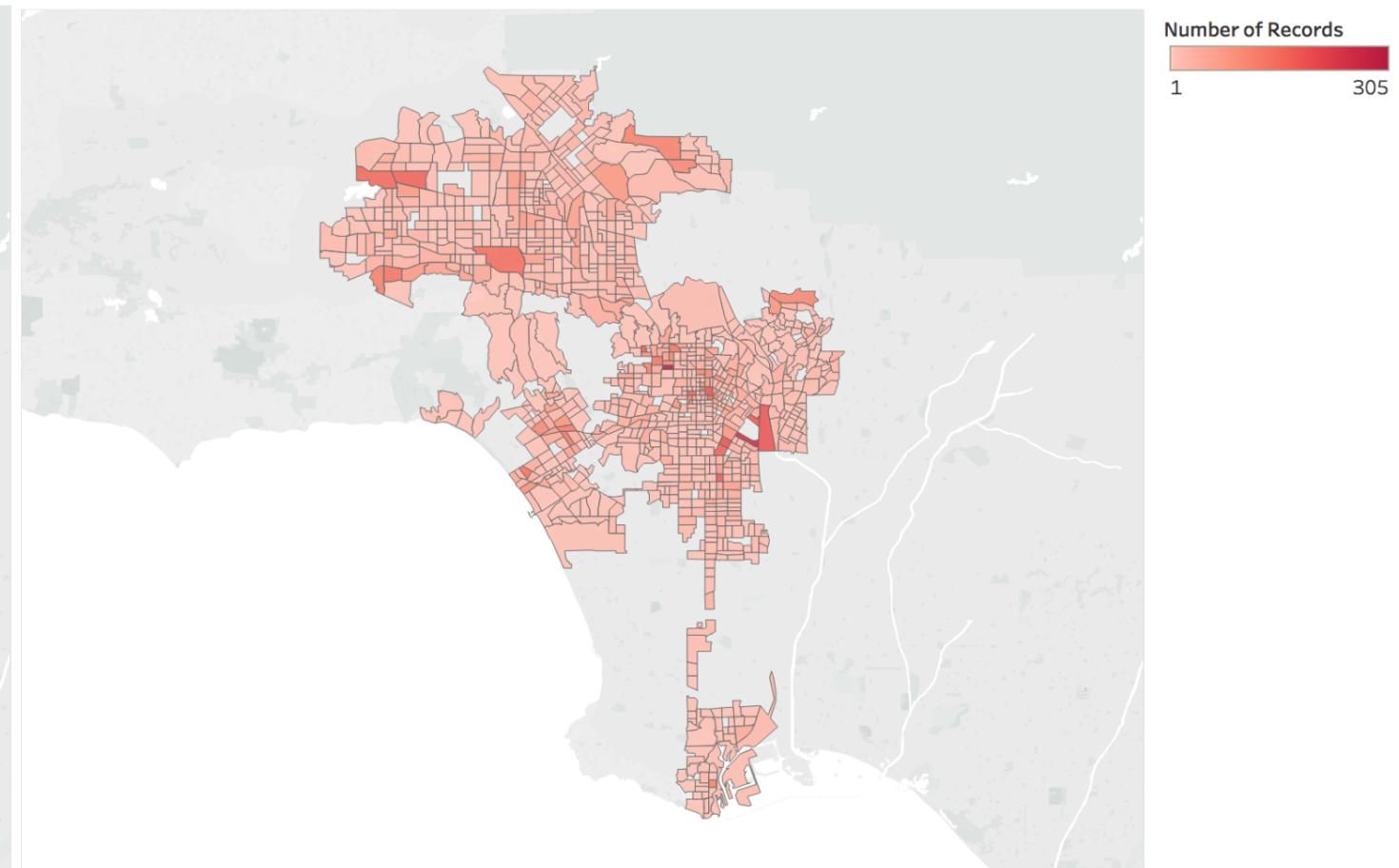
Number of Calls per Hour

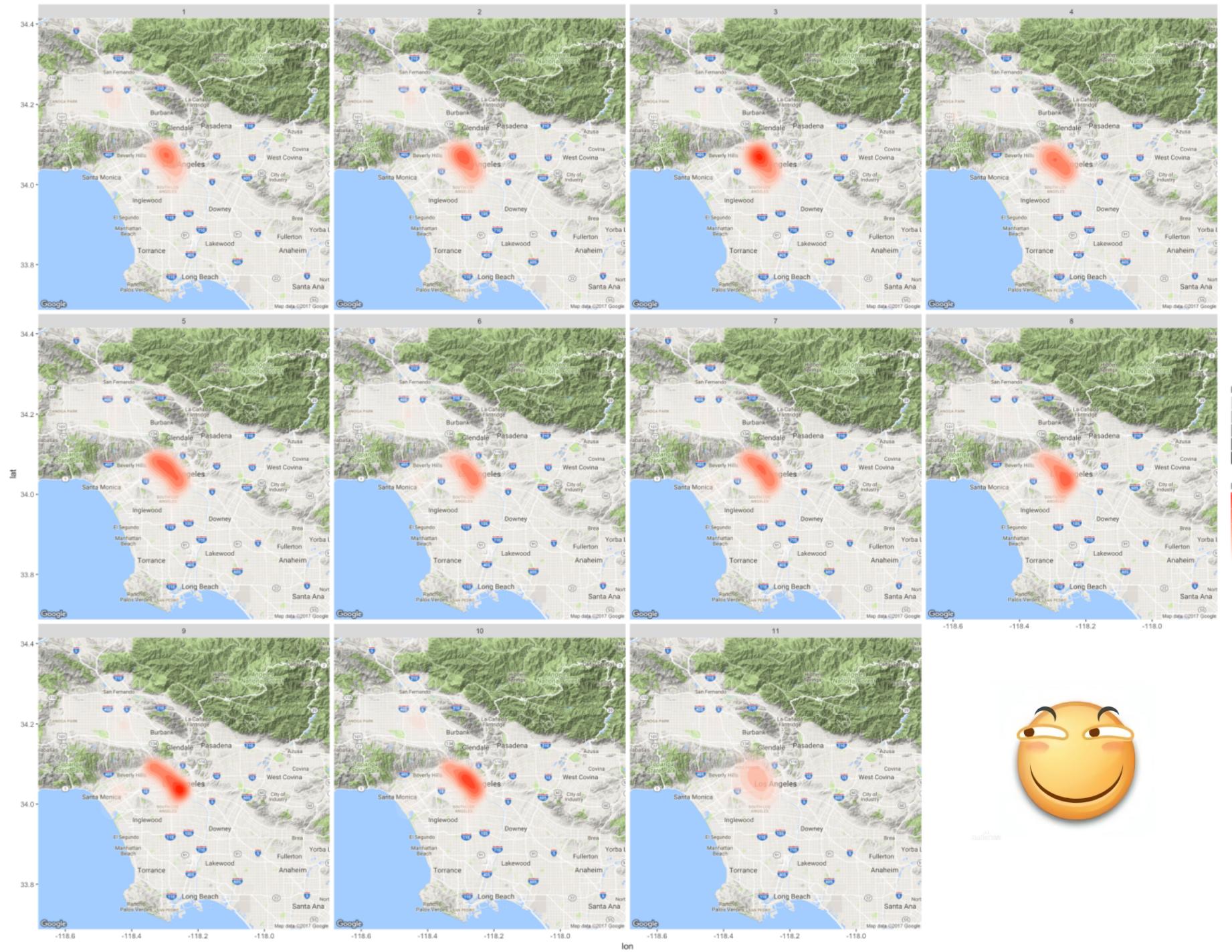


Homelessness per Neighborhood

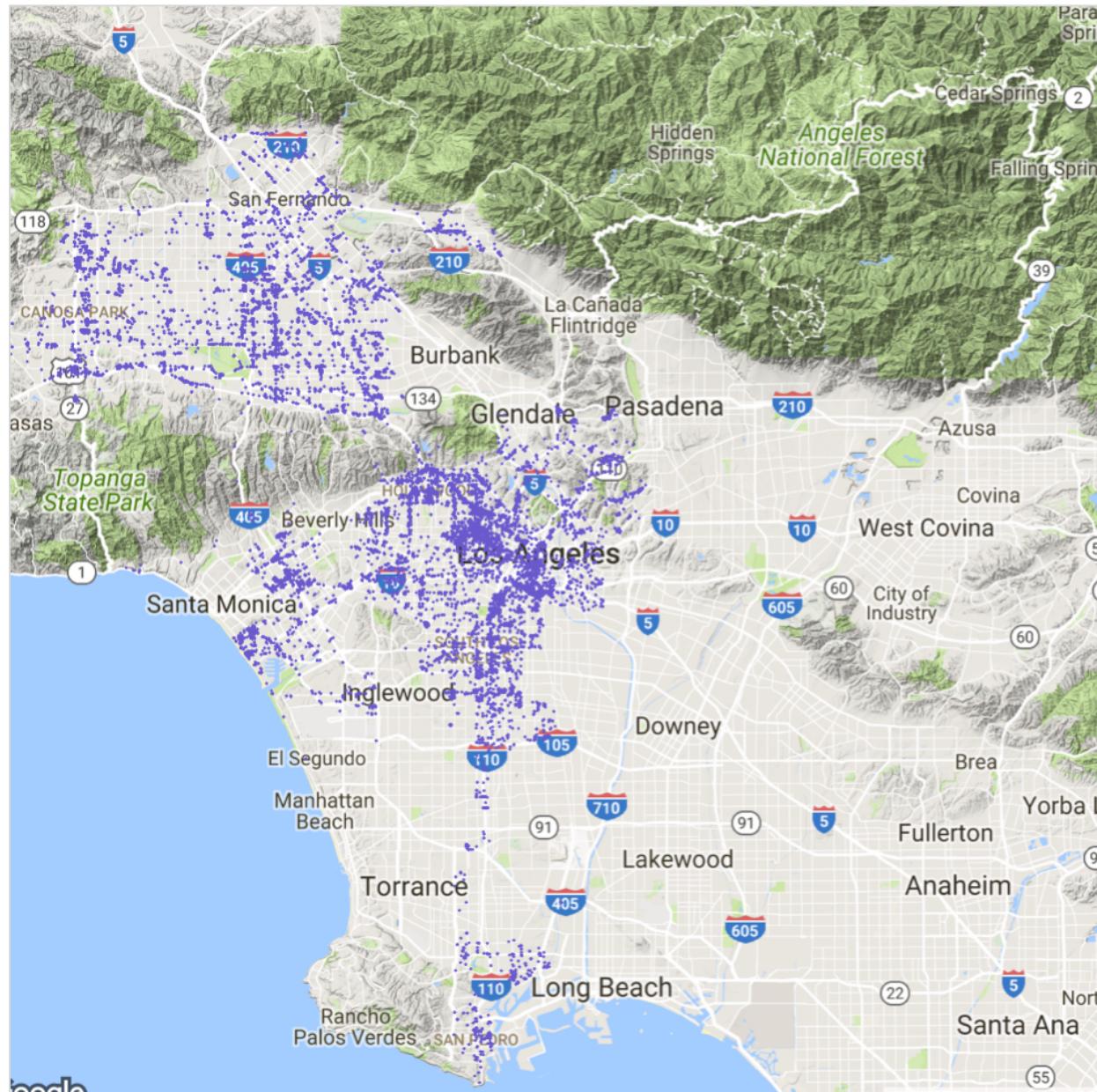


Homelessness in Each Neighborhood (w/o 1128)

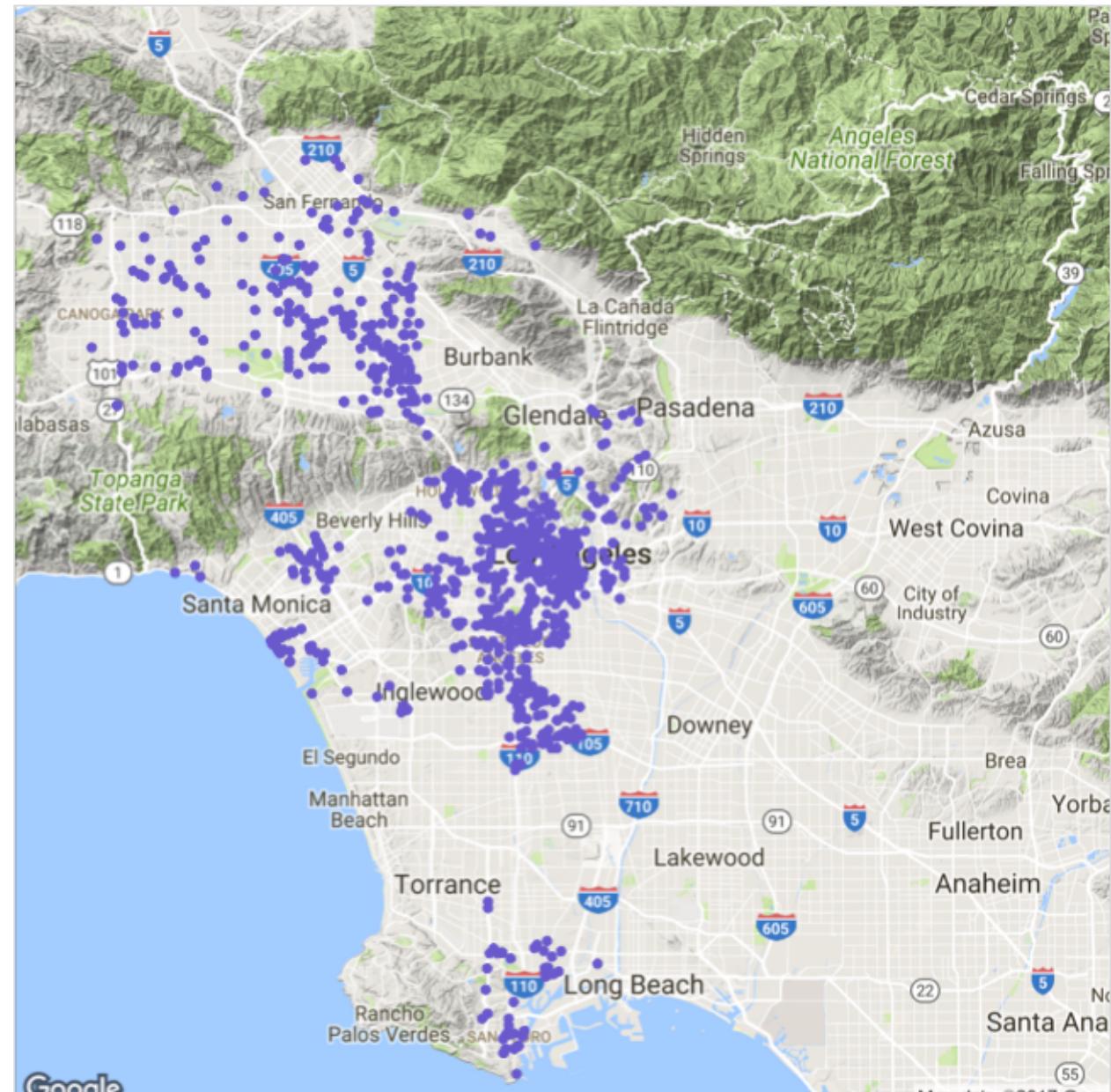




311 Calls Distribution

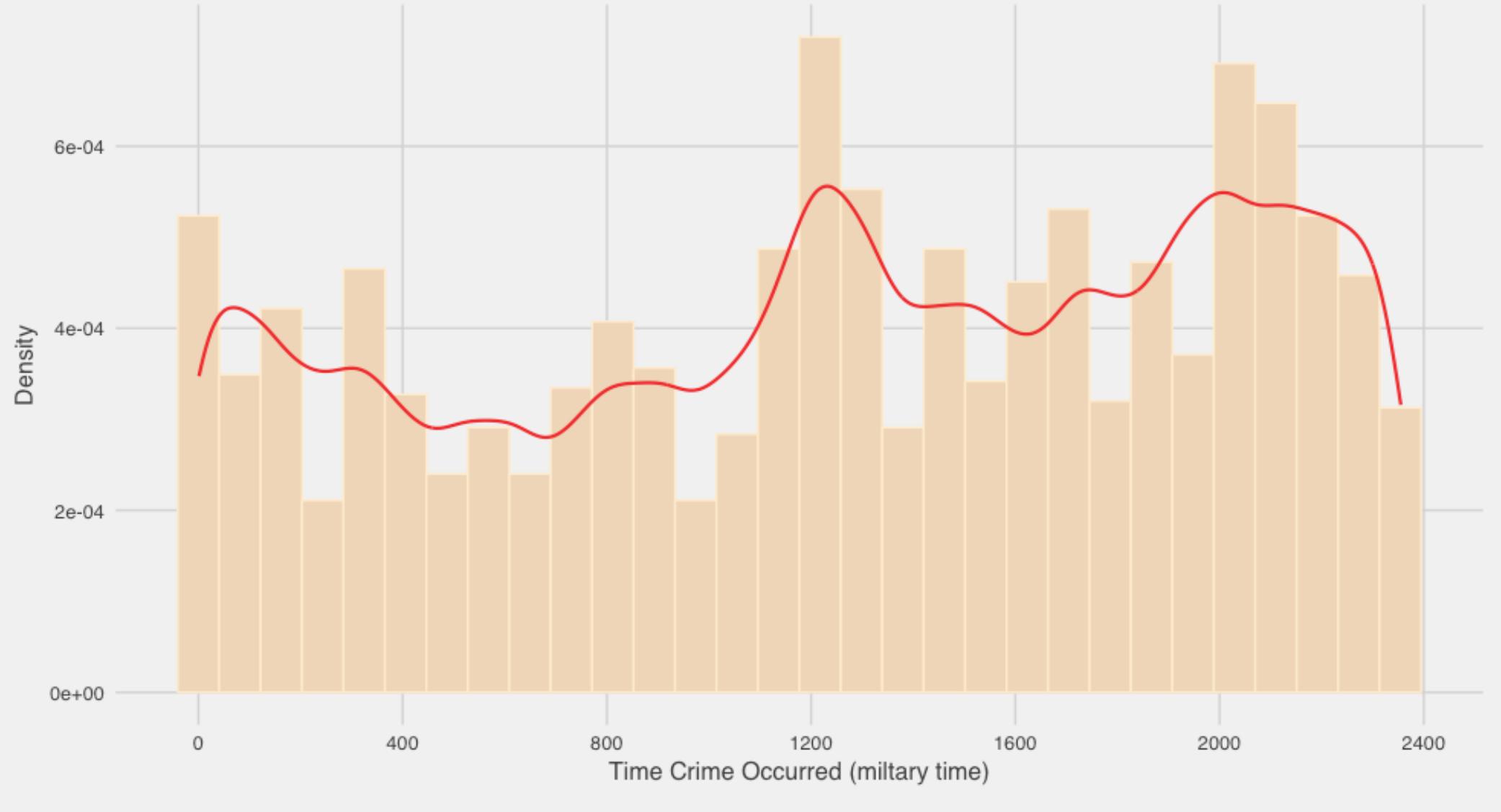


Crime Distribution

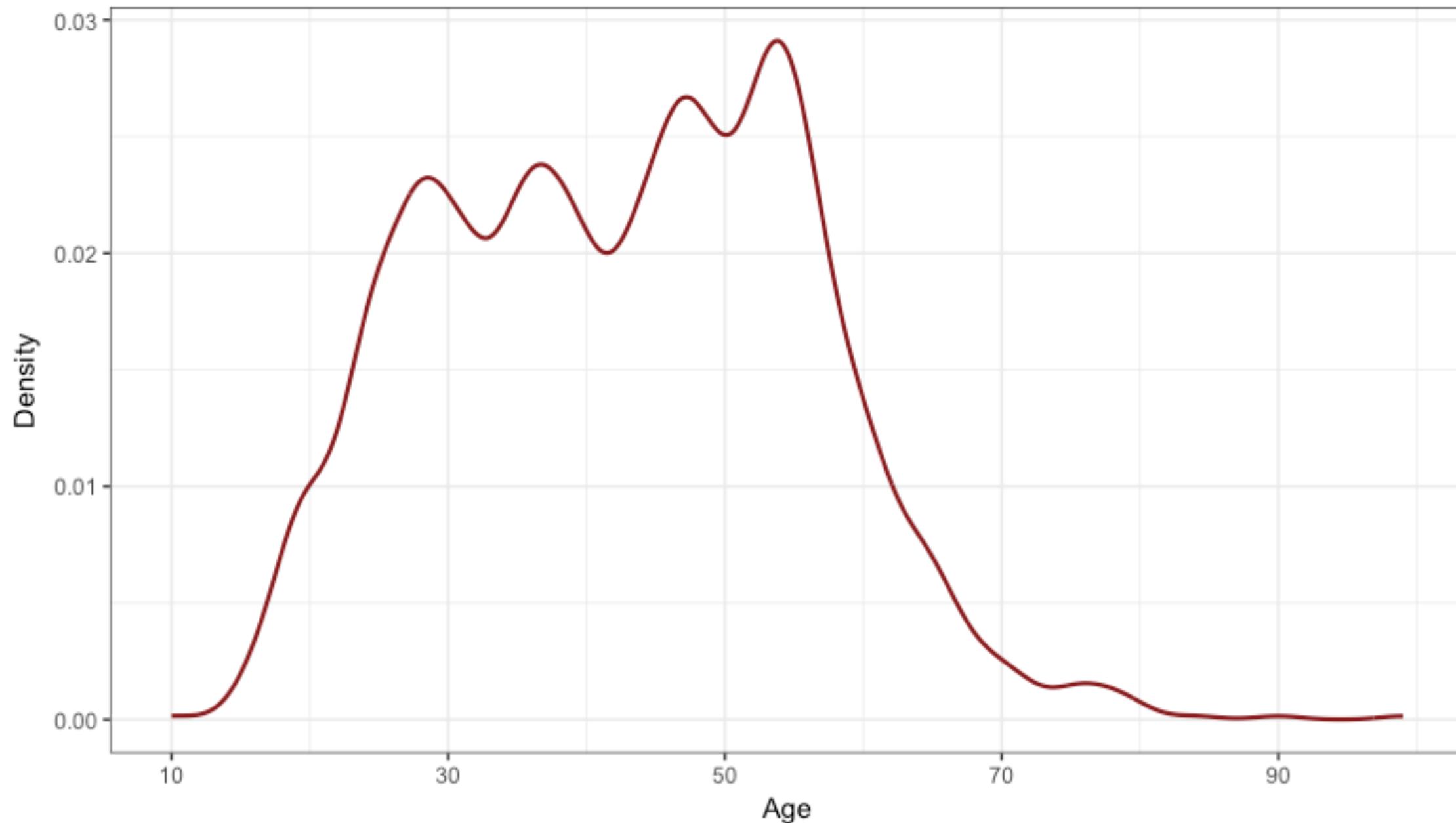


Crime

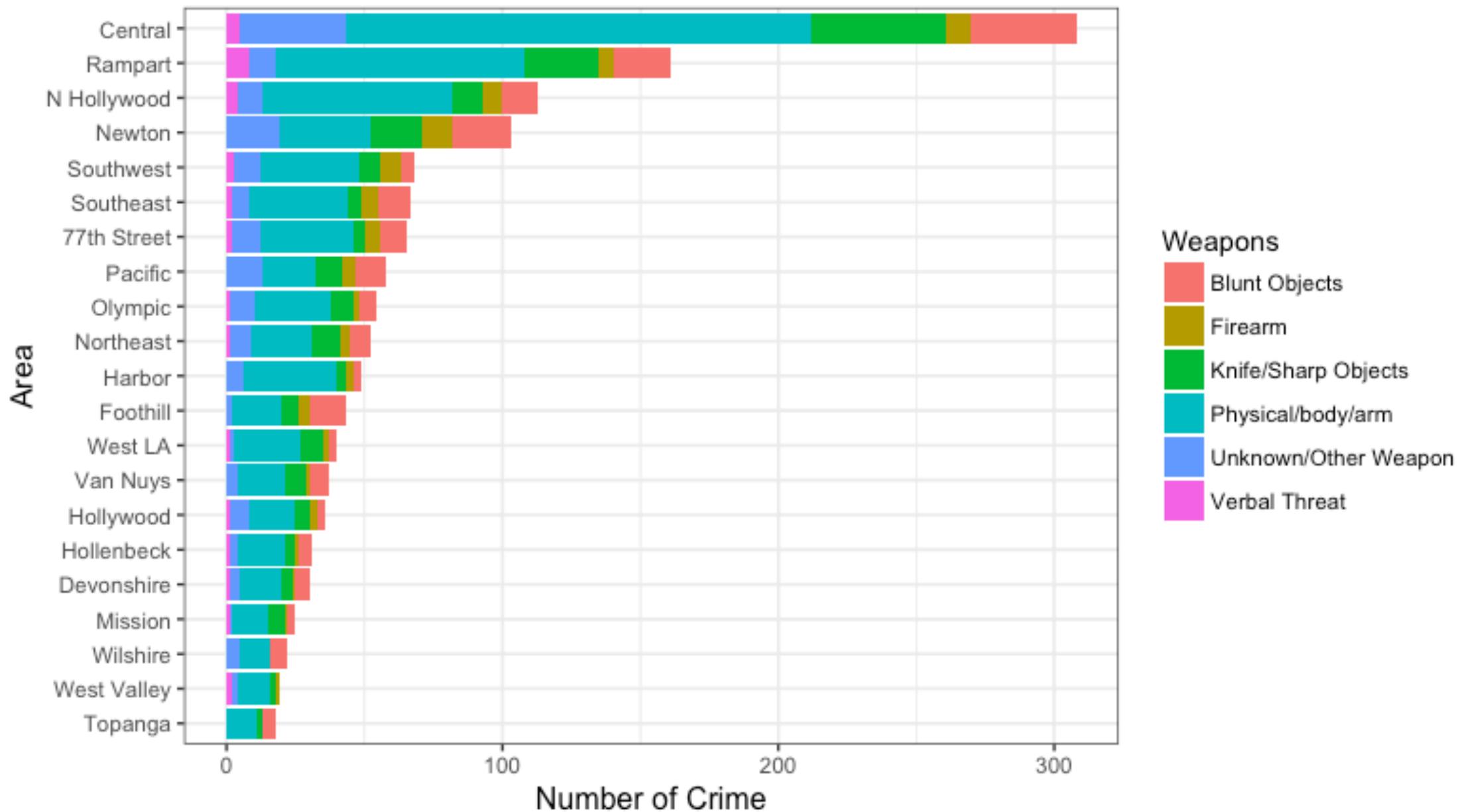
Crime happens most frequently around noon and midnight



Crime Victim Age Distribution

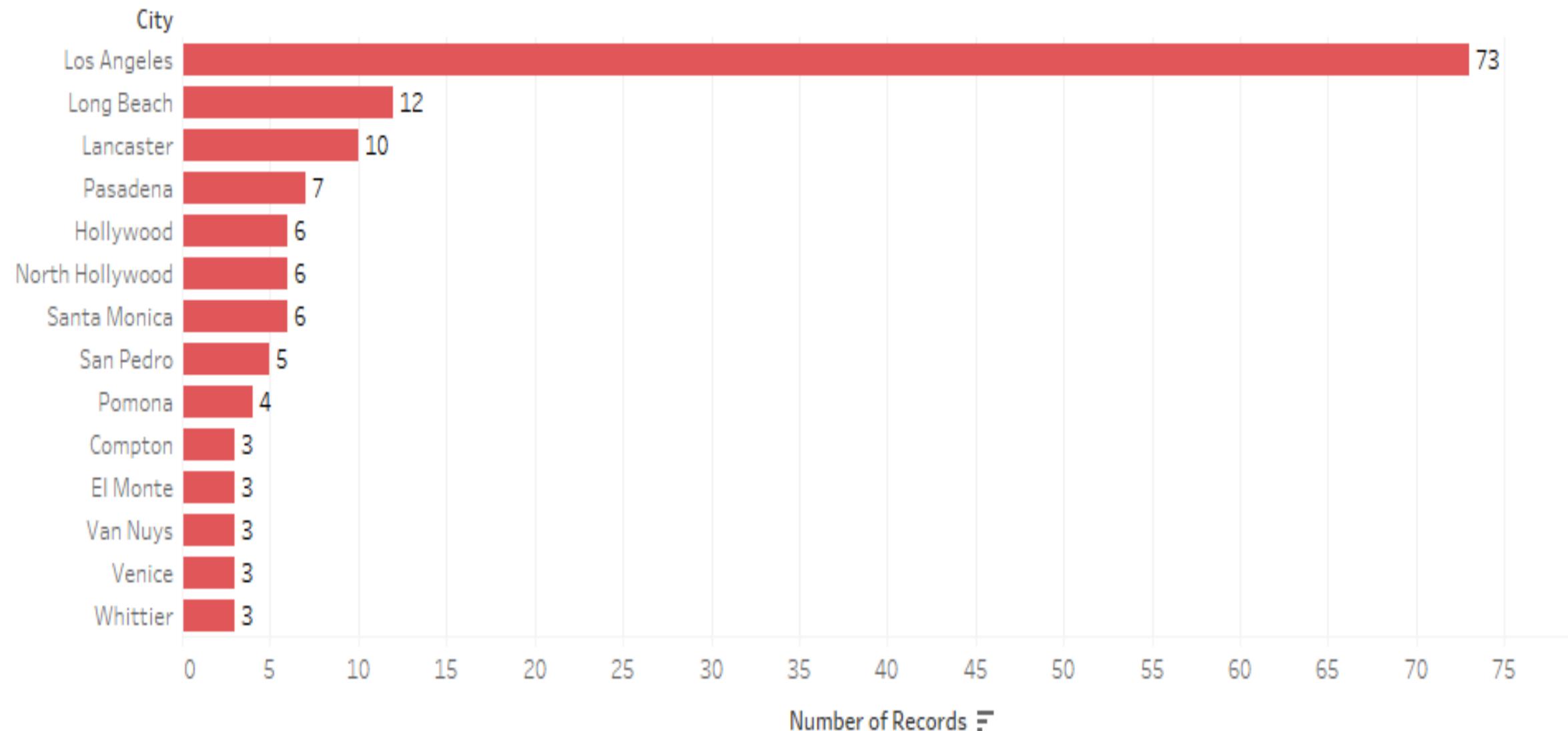


Crime area distribution and weapon used



Shelter

Numbers of shelter



Interactive Maps



Crime Map:

<https://do1vdyrr0ops5.cloudfront.net/>

Shelters & 311 Calls:

<https://d3mgnzxzou17sd.cloudfront.net/>

Shelters & Crimes:

<https://d27hdhu25jjcdo.cloudfront.net/>

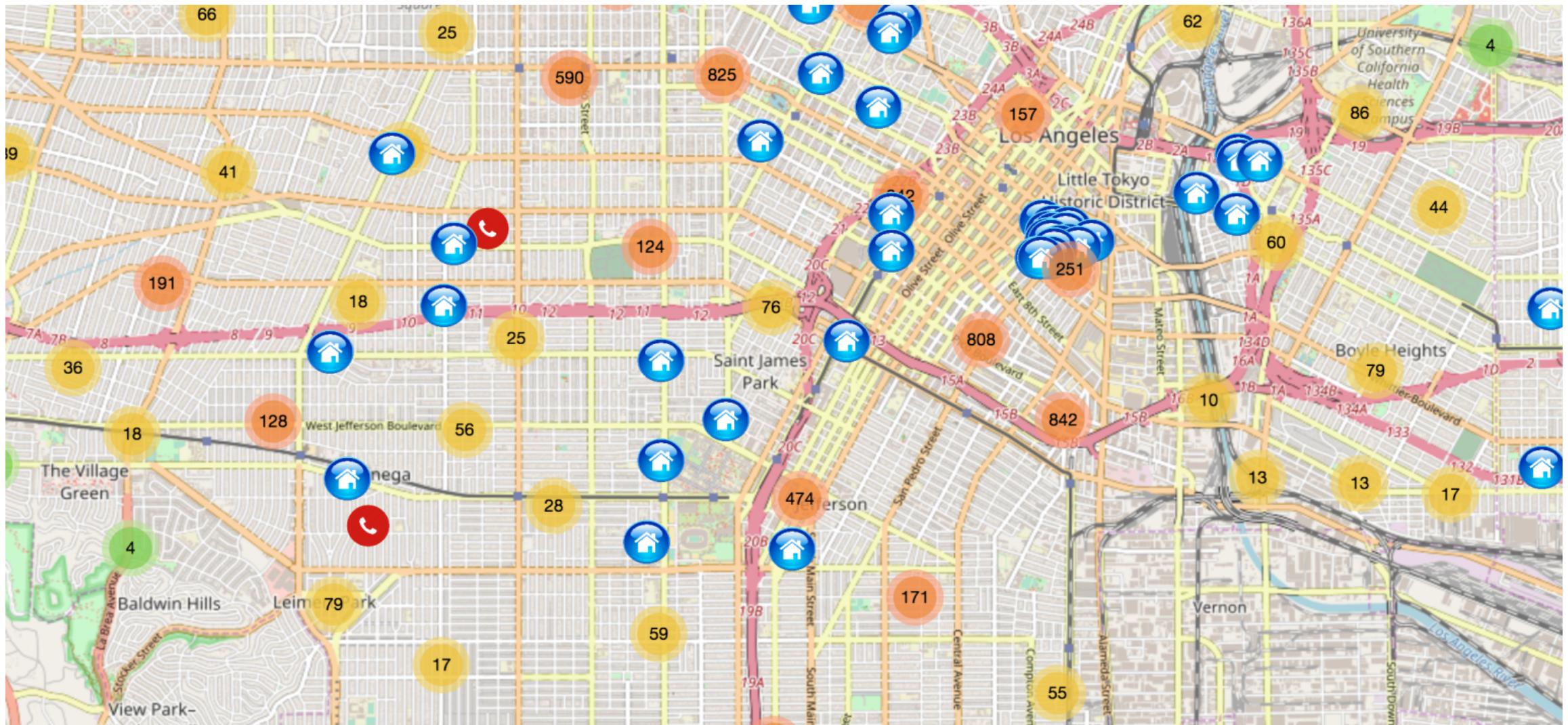
Shelters & Homeless Count:

<https://d1o01xshgaeel4.cloudfront.net/>

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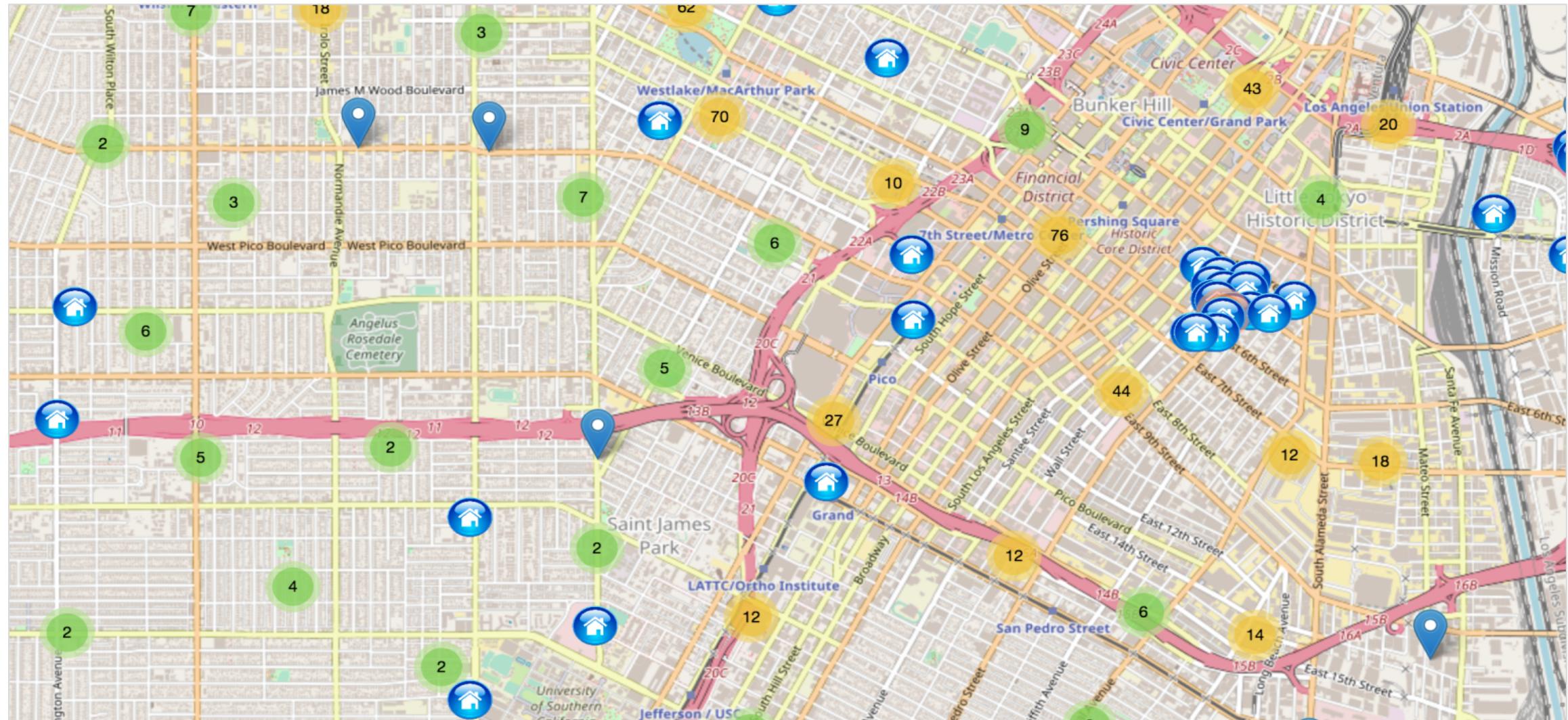
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Shelters & 311 Calls



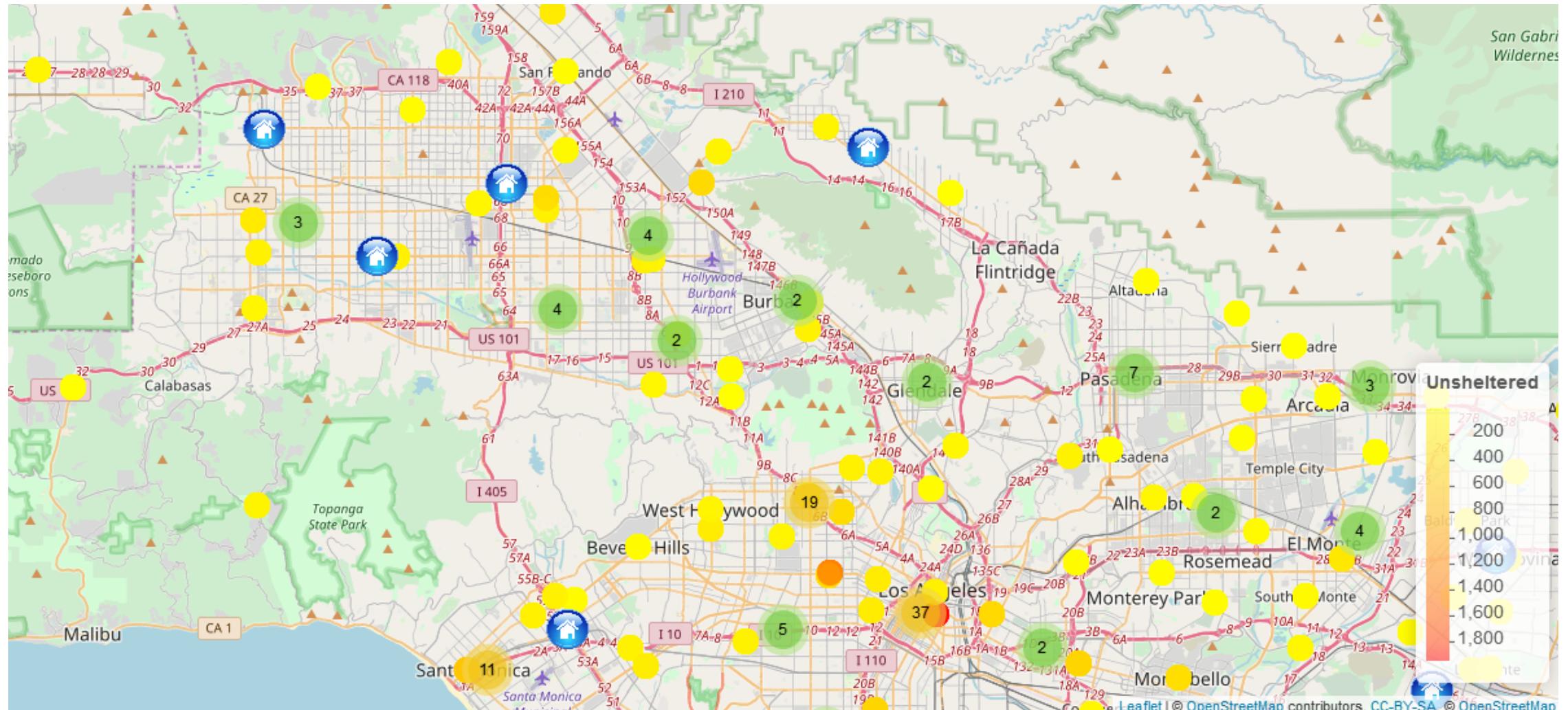
<https://d3mgnzxzou17sd.cloudfront.net/>

Shelters & Crimes



<https://d27hdhu25jjcdo.cloudfront.net/>

Shelters & Homeless Count



<https://d1o01xshgael4.cloudfront.net/>

03

PART

03

Direction & Next Steps

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Next Steps



Direction

Acknowledge the demographics of the homeless, distinguish the different types of homeless individuals to effectively cater to the unique needs of each group rather than a one-size-fits-all approach.

Next steps

- Make interactive dashboard
- join four datasets and plot them to find out the relationship and to explore the reasons behind
- Compare homeless counts in 2016 and 2017 to discover the changing trend
- Examine the overall shape of the graphed data, detect the outlier spot and analyze
- Give recommendation

The background of the image is a black and white aerial photograph of a dense urban skyline at night. The city is filled with numerous skyscrapers of varying heights, their windows glowing with light. In the foreground, a large, modern building with a flat roof and a grid-like pattern is visible. To the right, a prominent skyscraper with a curved, illuminated facade stands out. The overall atmosphere is one of a bustling, modern metropolis.

THANK YOU

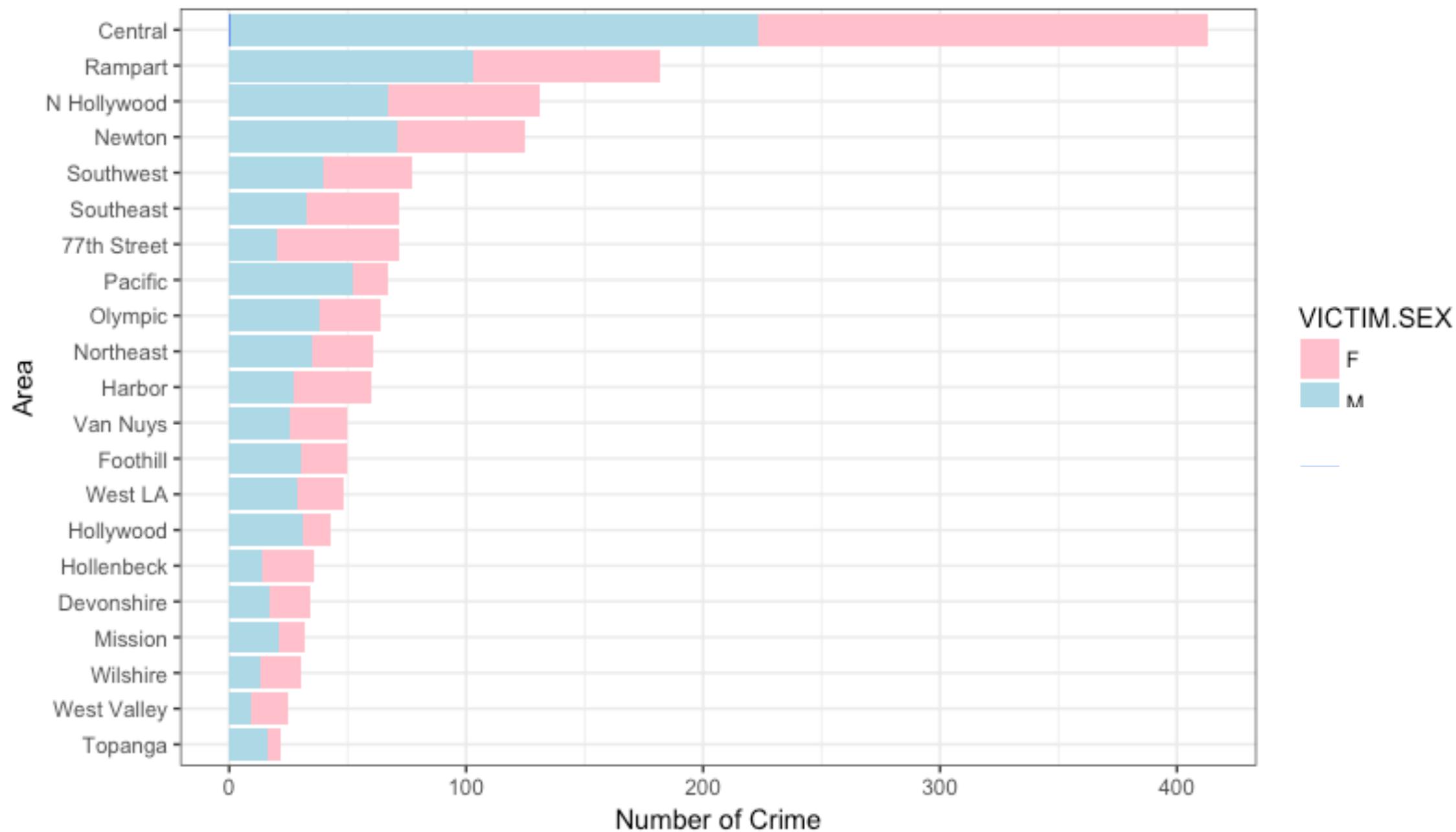
Part Four

Backup Slides

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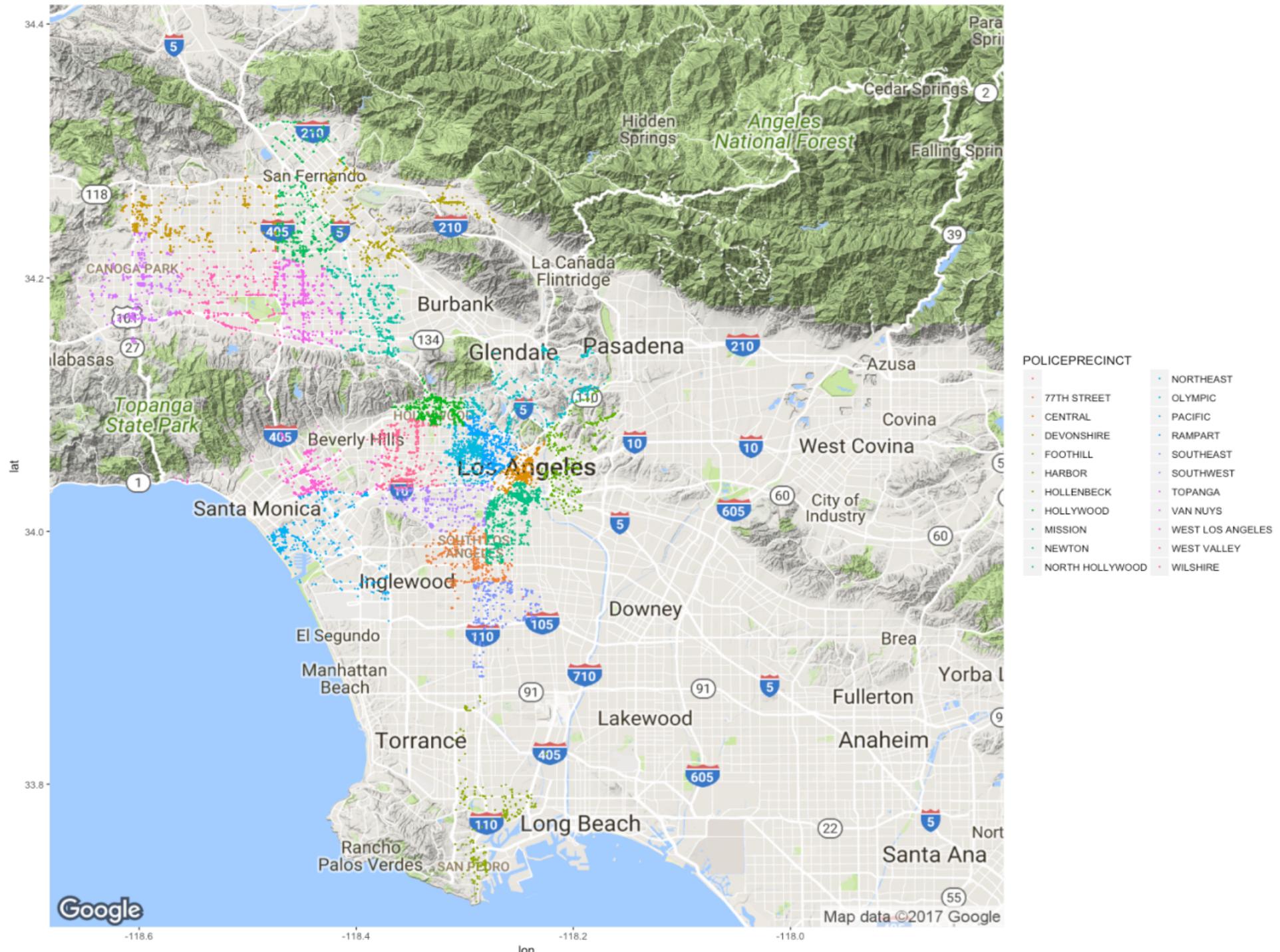
Crime area and victim gender

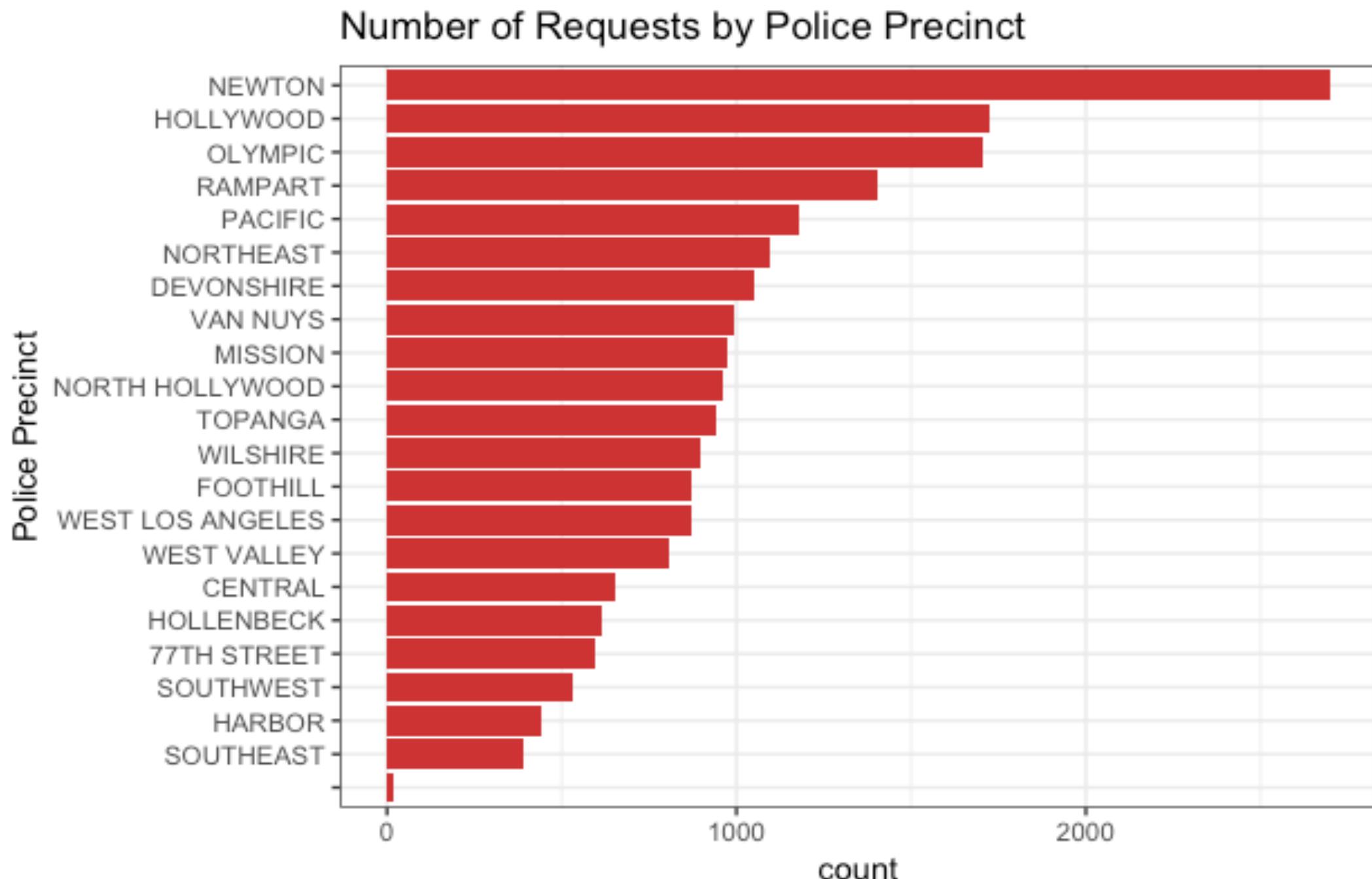


Numbers of Crime Based On Crime Type

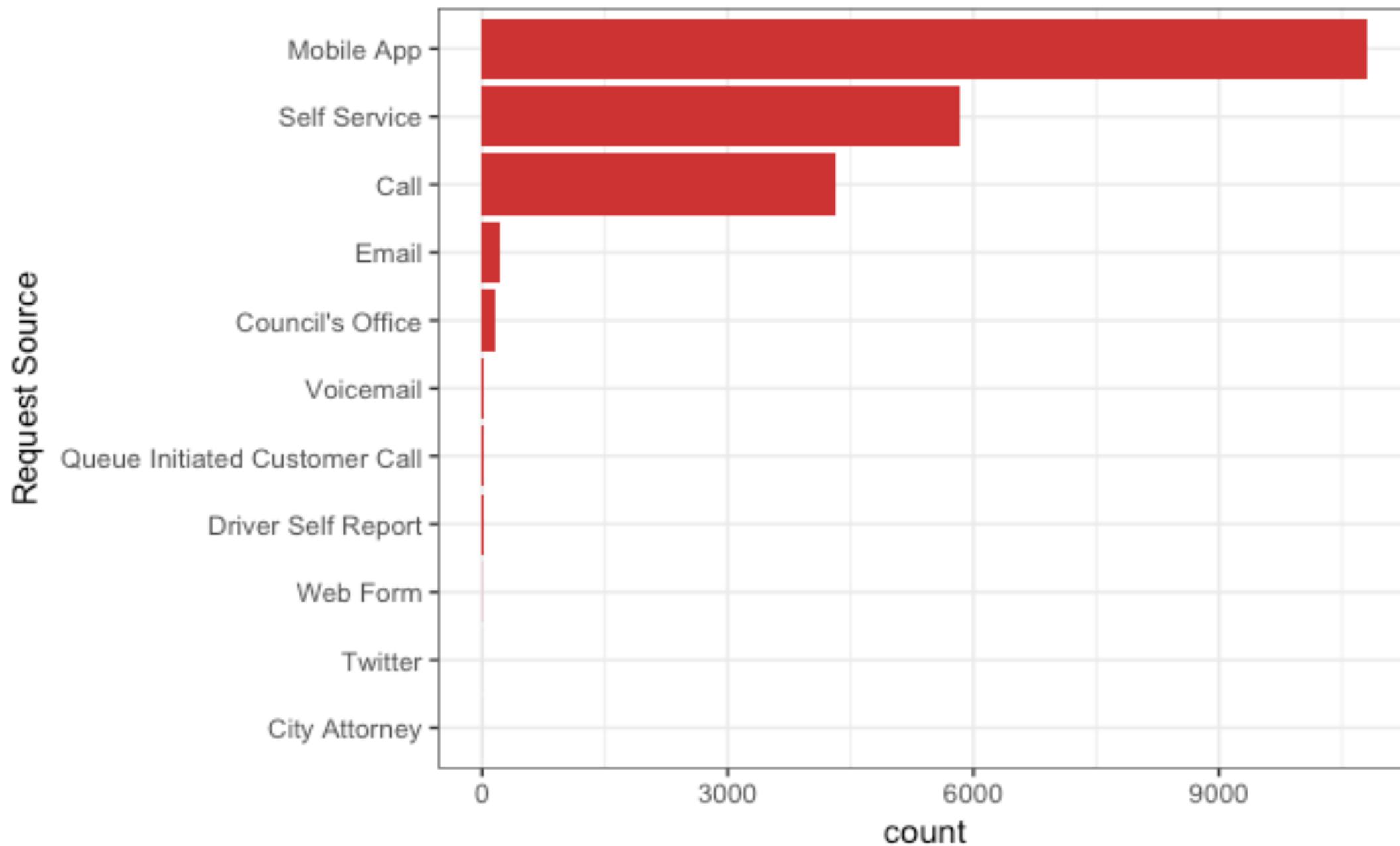
ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT Number:712	INTIMATE PARTNER - SIMPLE ASSAULT Number:318	ROBBERY Number:281	THEFT PLAIN - PETTY (\$950 & UNDER) Number:236
BATTERY - SIMPLE ASSAULT Number:450	INTIMATE PARTNER - AGGRAVATED ASSAULT RAPE, FORCIBLE	BRANDISH WEAPON CRIMINAL THREATS -	

311 Calls by Police Precinct

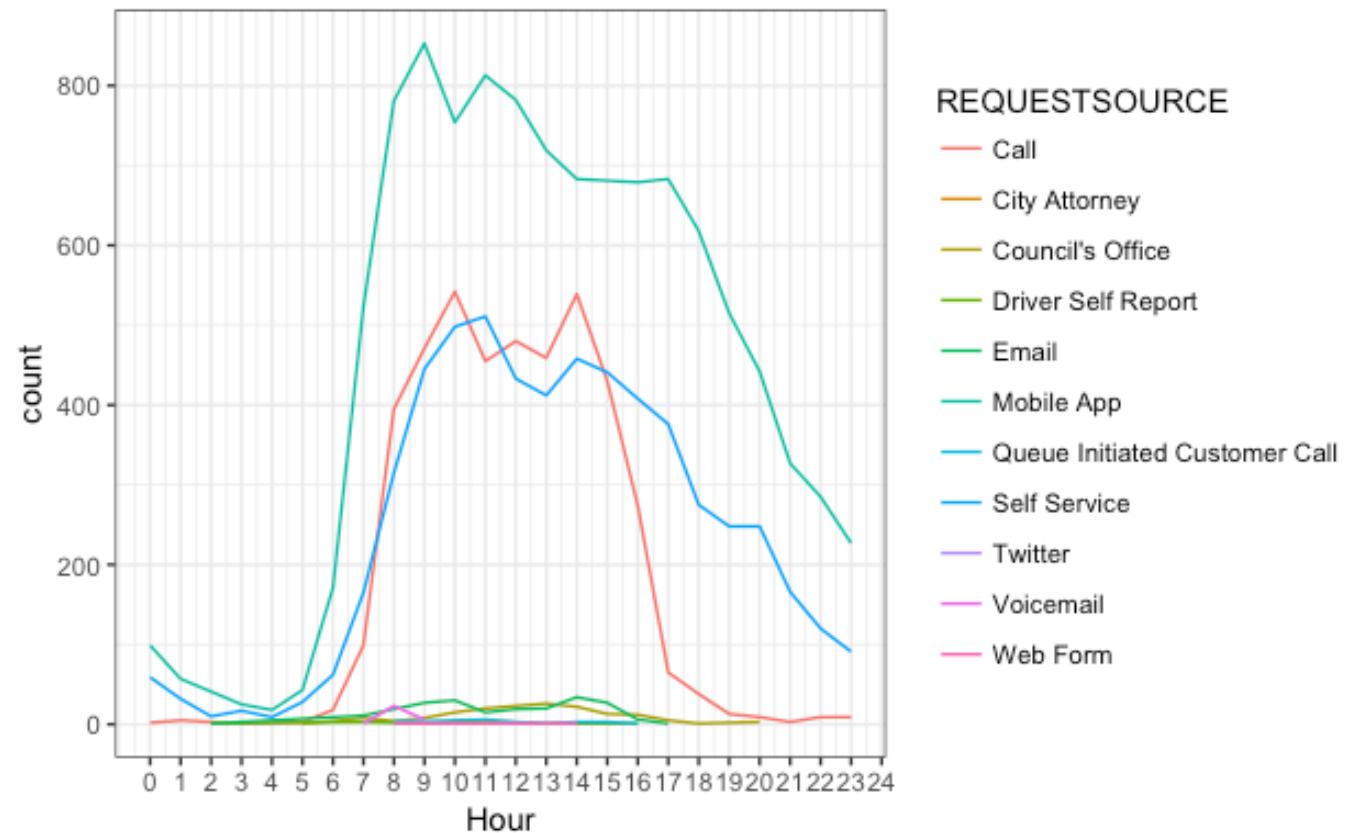




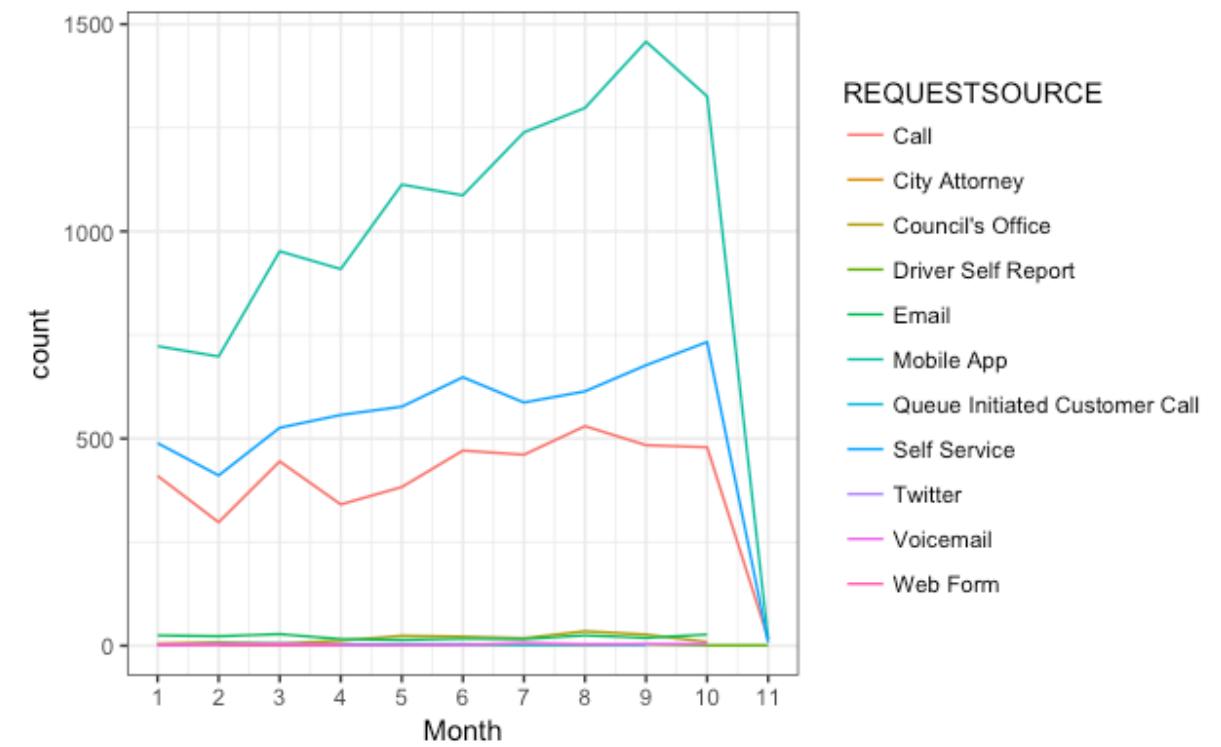
Number of Requests by Requests Source



Number of Calls per Hour by Request Source



Number of Calls per Month by Request Source



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