



LA CITY HOMELESS PROJECT

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If we were
decision
makers in the
LA
homelessness
intervention
program...

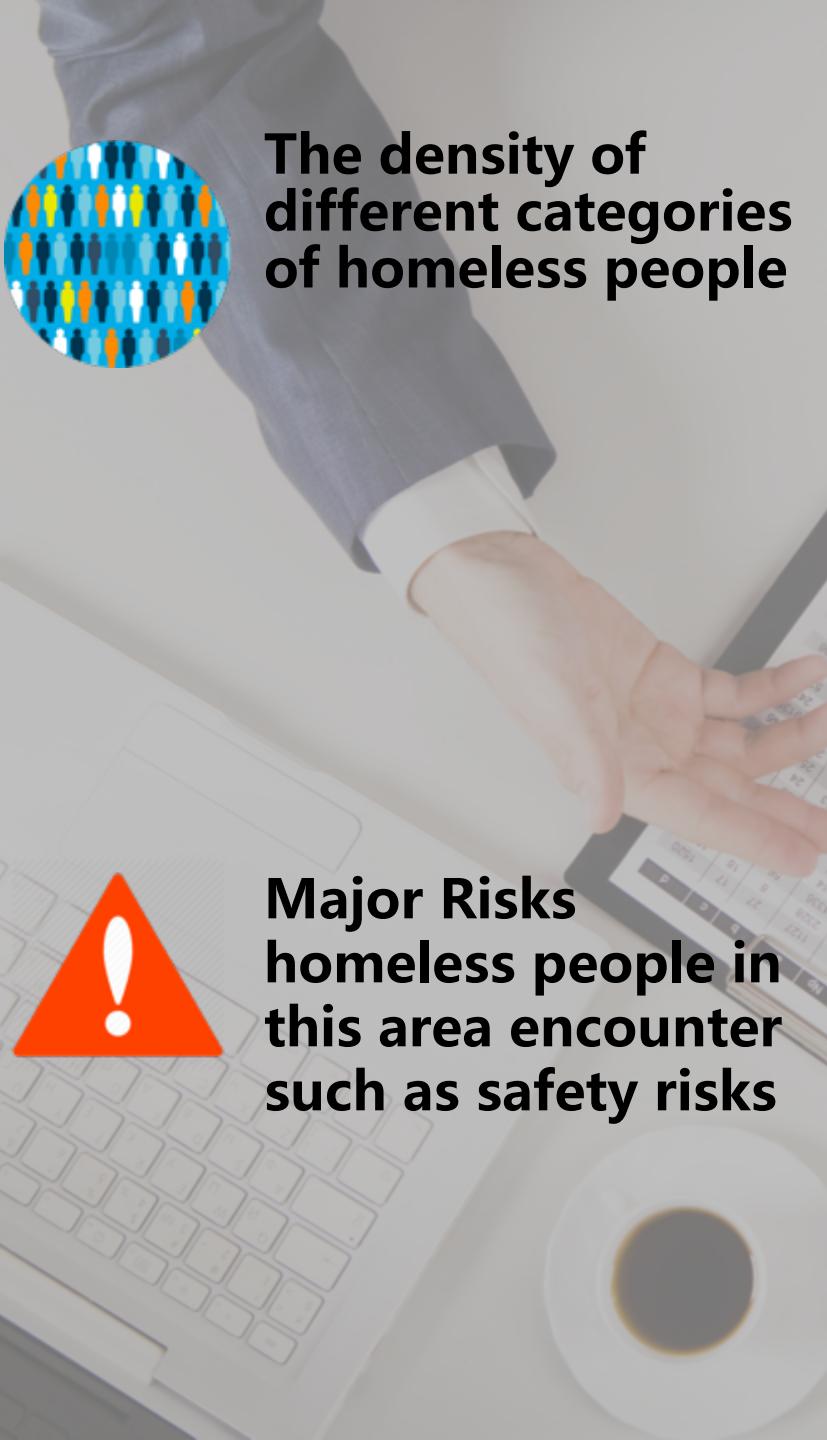


We have many
questions...

We need
multiple pieces
of information
to answer the
questions



Which areas to start new shelters?



Our Objective

A visualization dashboard for easy investigation



3

Geographical Levels

19

Homeless Measures

2

Overlay Markers

City Level

Community Level

Census Tract Level

Total Unsheltered People

Total sheltered People

Total Street Single Adult

...

Crime Count
Shelter

- Dashboard
- Homelessness
- Shelter
- Crime
- 311 Calls

Encino

Unsheltered People: 35
Number of Shelters: 0

Vermont Square

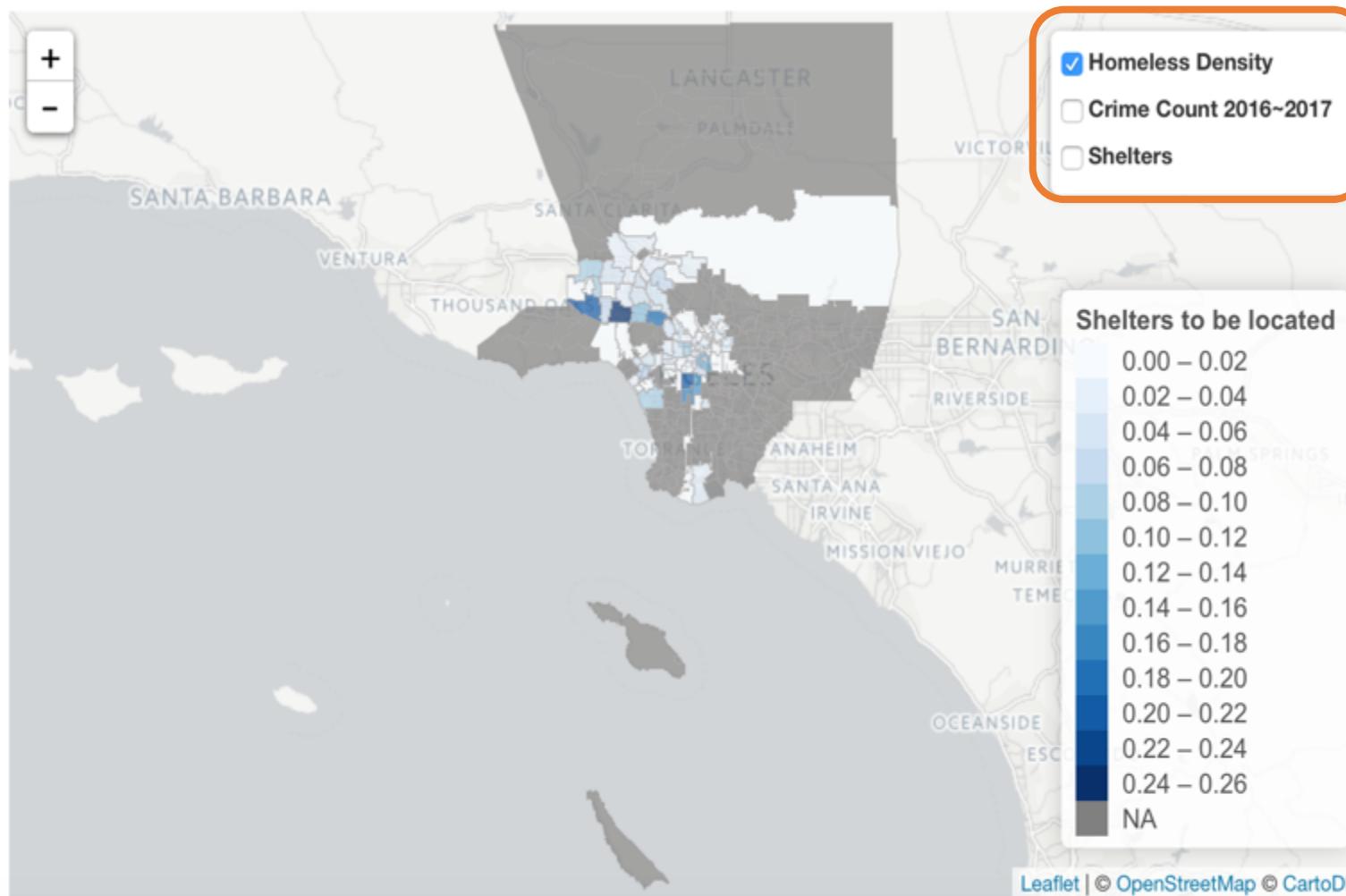
Unsheltered People: 669
Number of Shelters: 1

Woodland Hills

Unsheltered People: 96
Number of Shelters: 0

Studio City

Unsheltered People: 79
Number of Shelters: 0

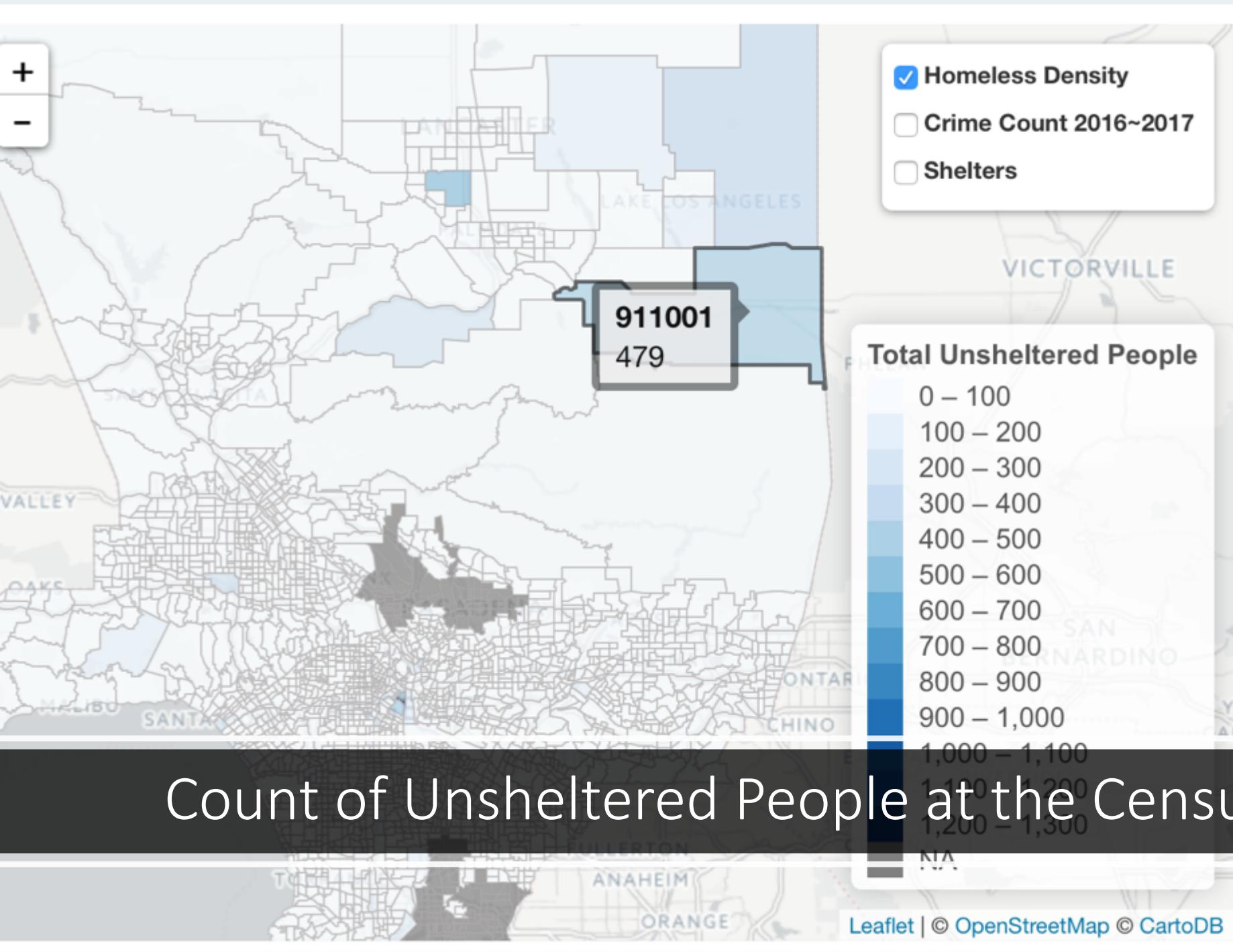


Choose the geographical level:

Community

Choose the category of homeless measures:

Shelters to be located



Choose the geographical level:

Census Tract

Choose the category of homeless measures:

Total Unsheltered People

Risk Measures

Choose the category of homeless measures:

Shelters to be located ▾

Total Unsheltered People

Total Sheltered People

Total Street Single Adult

Total Street Family Members

Total Youth Family Households

Total Unaccompanied Kids in Shelters

Total Single Youth in Shelters

Total Unsheltered People(2016)

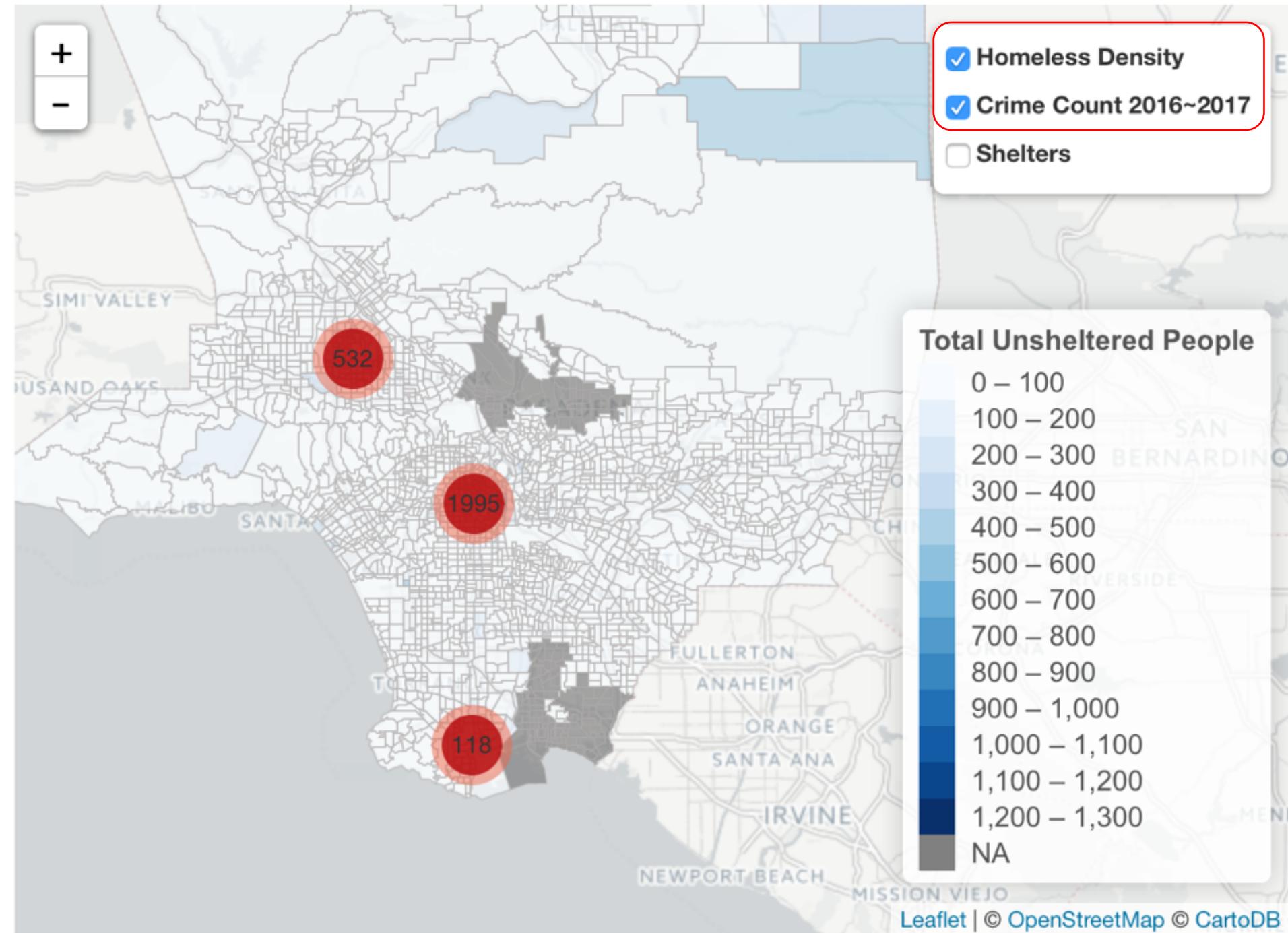
Crime Counts

311 Calls Counts

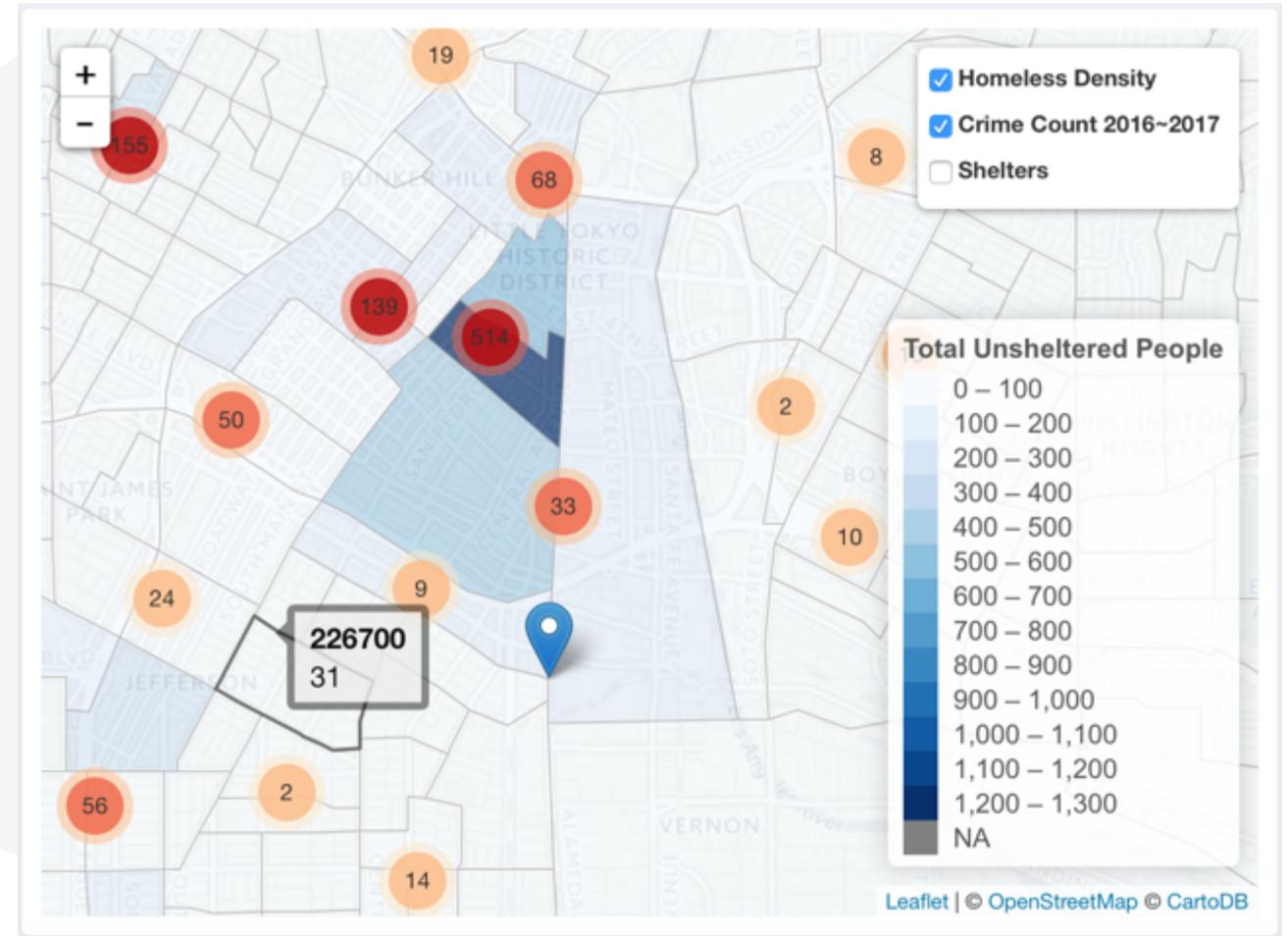
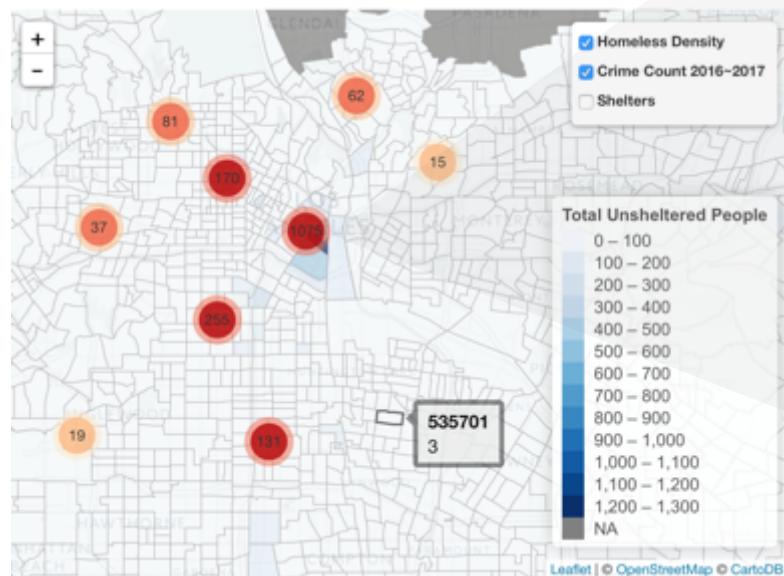
Shelter Counts

Change of Total Unsheltered People

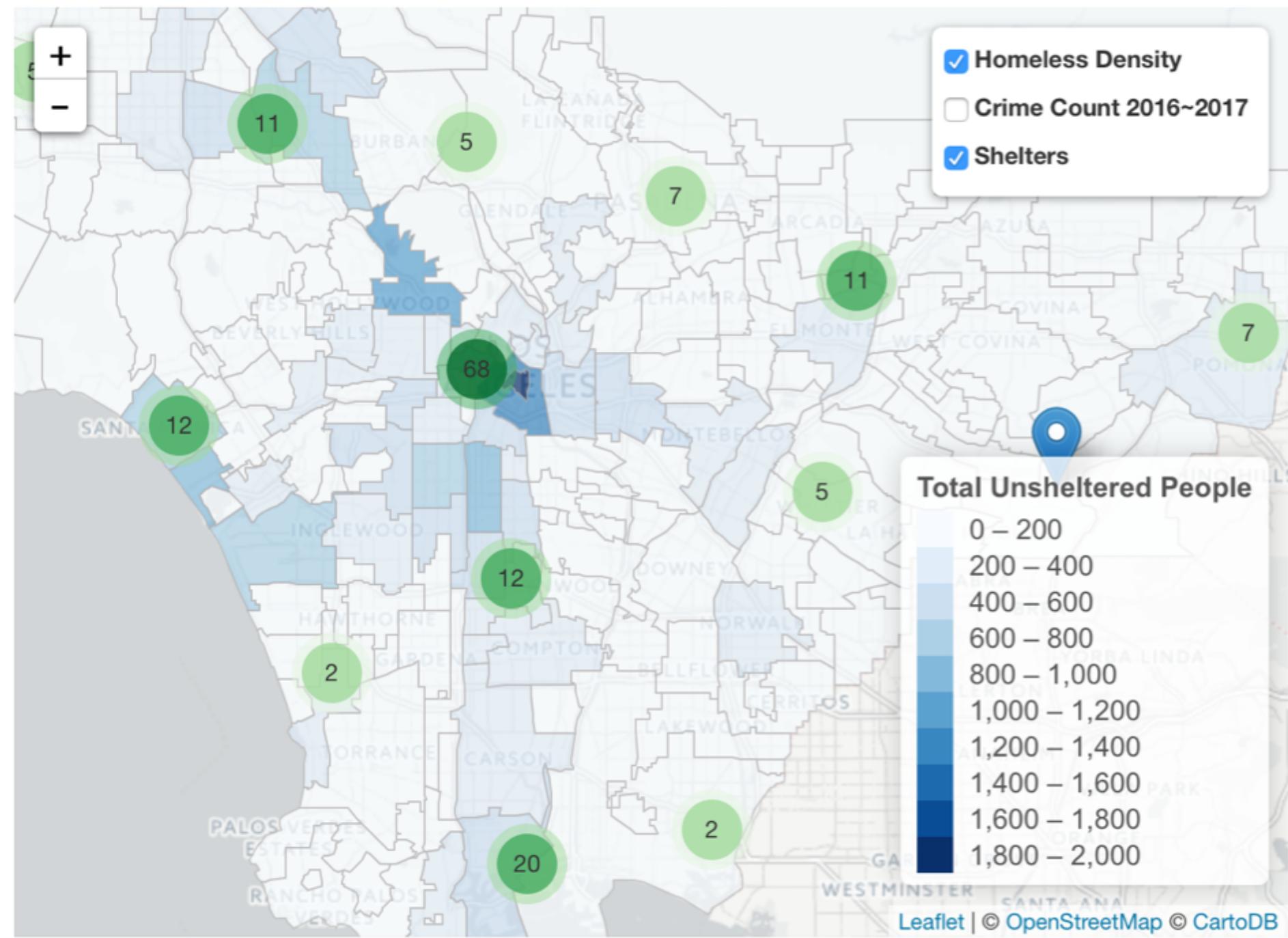
Crime Count Data Overlay the Heat Map



Crime Count Data Overlay the Heat Map-Zoom In Function

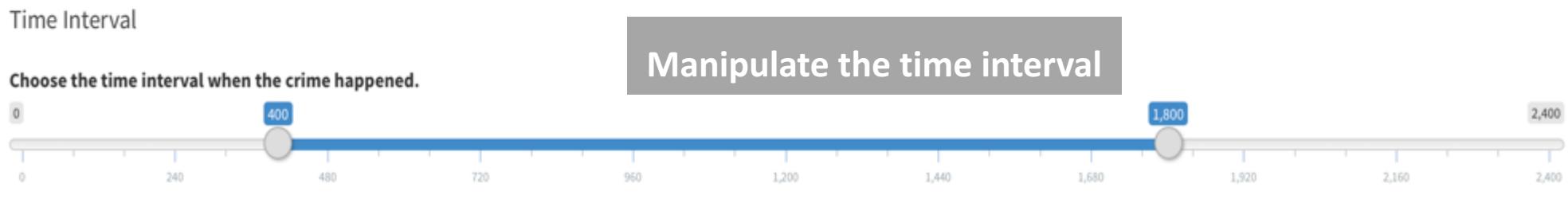
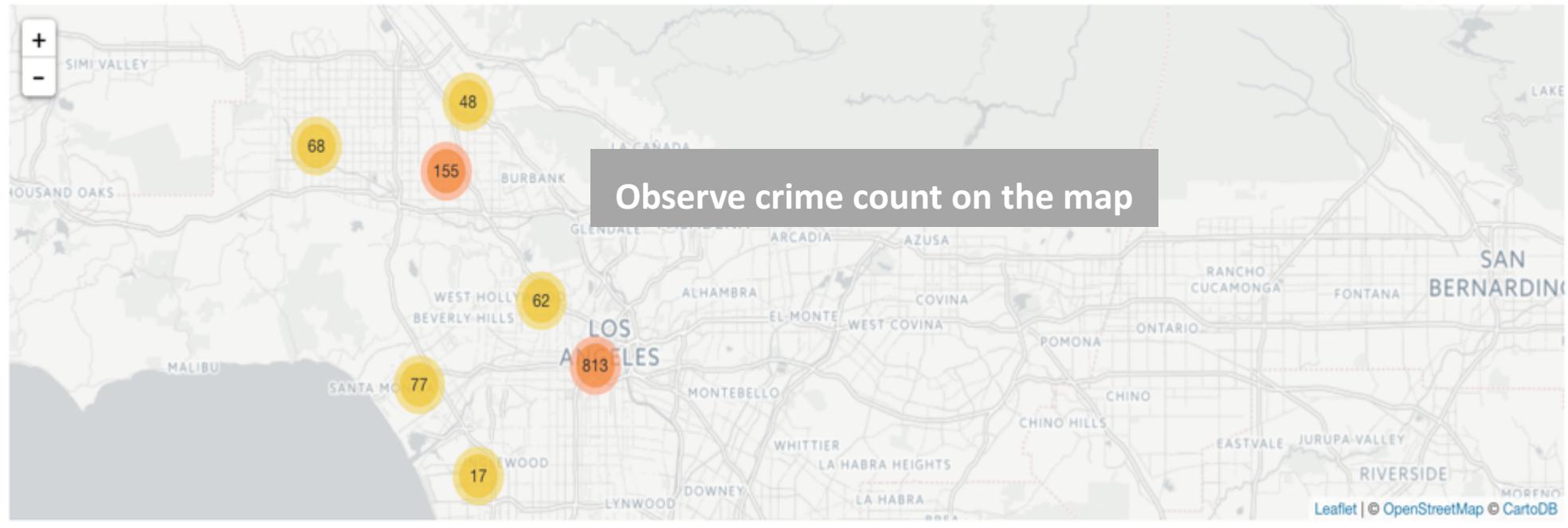


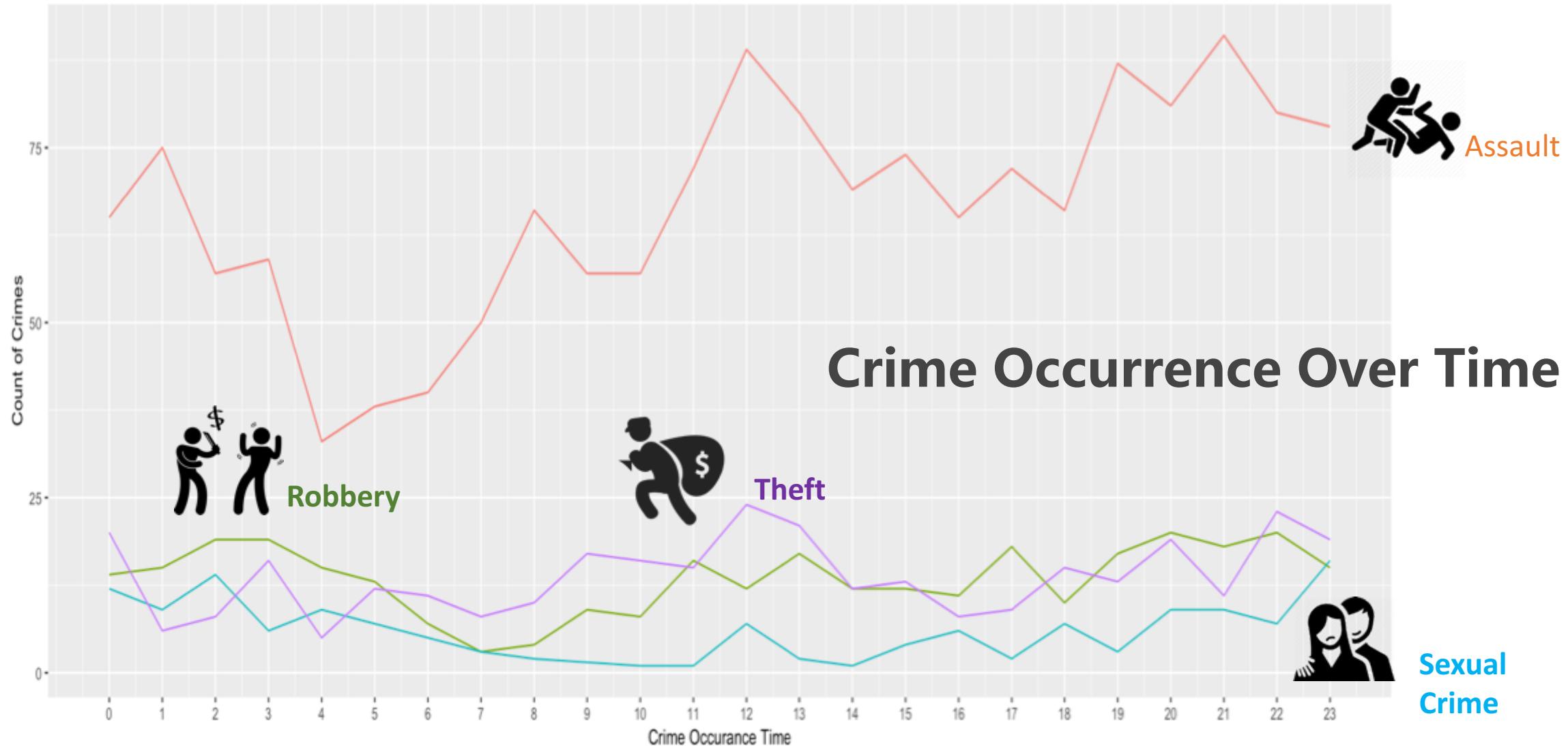
Shelter Data Overlay the Heat Map



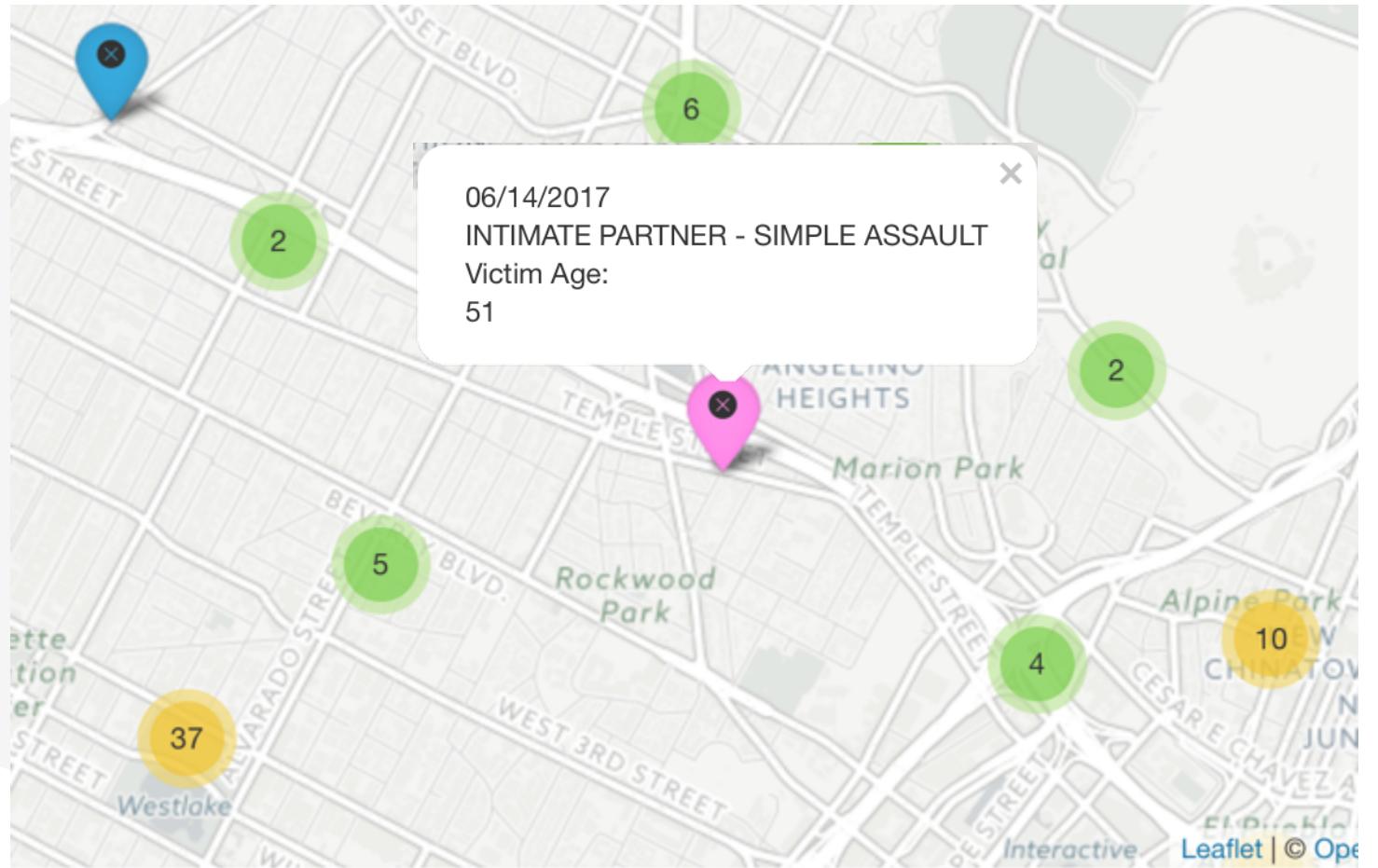
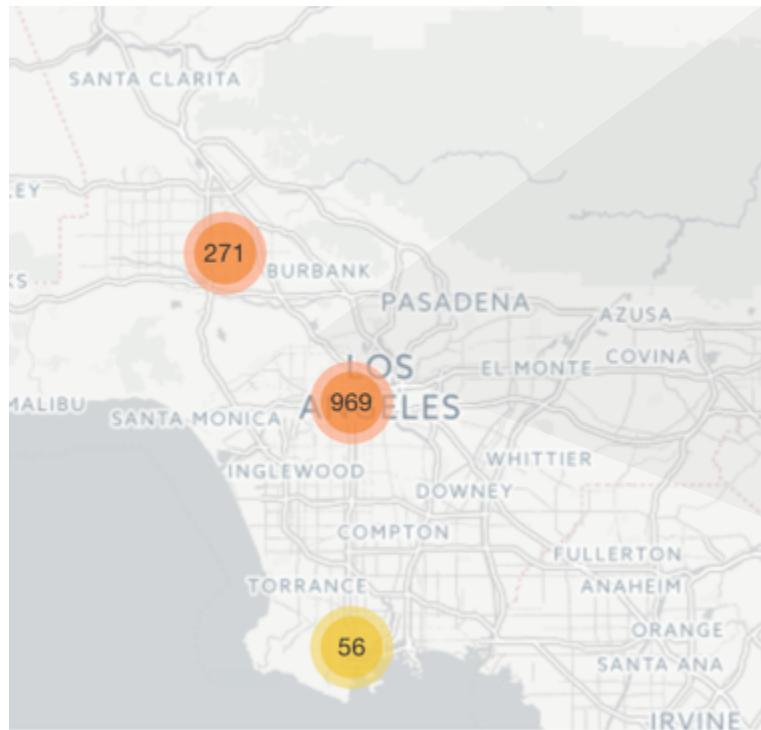
2ND Dashboard

Help LA city staff
investigate safe
risk of homeless
people





Crime Count Map-Zoom In Function



One Example Investigation

Which communities to start new shelters?



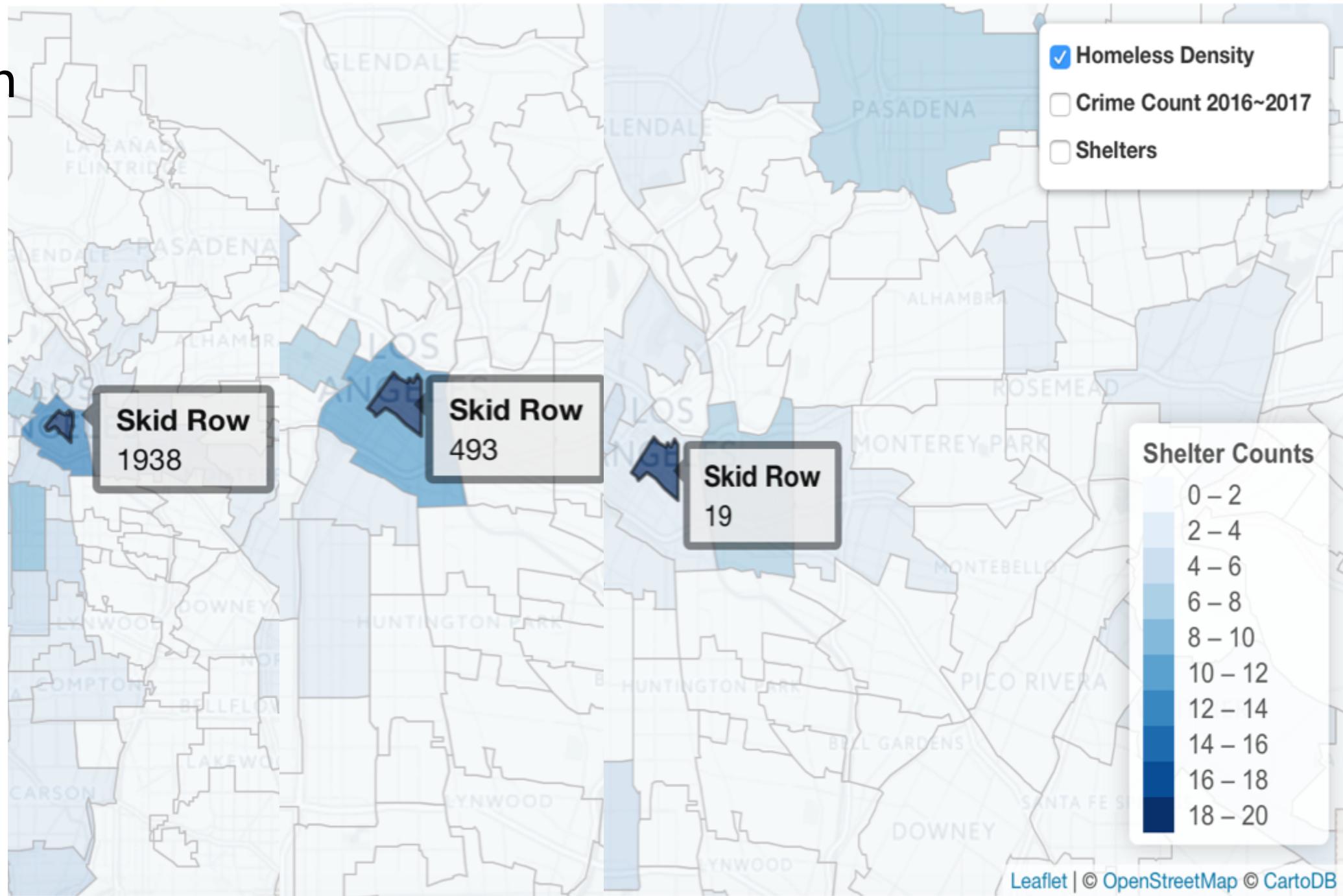
We found an interesting thing:

A name keeps showing up:

Total Unsheltered People – Skid Row

Crime Counts- Skid Row

Shelter Counts- Skid Row!!



Risk Measures

Overall Index=
0.1*Index 1
+0.2*Index2
+0.7*Index 3



**I. Crime to
Unsheltered
Homeless
Ratio**

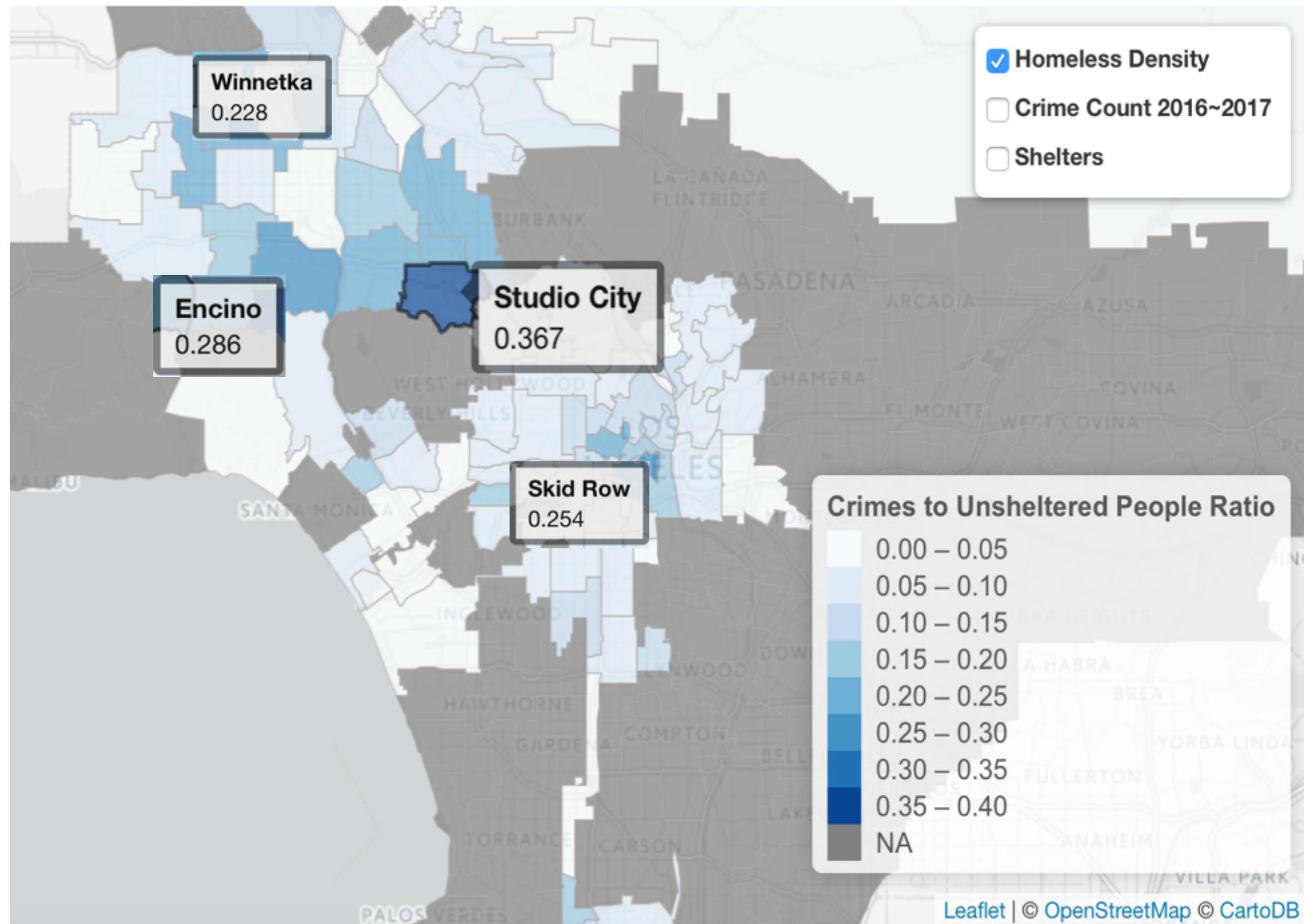


**II. 311 calls to
Unsheltered
Homeless
Ratio**

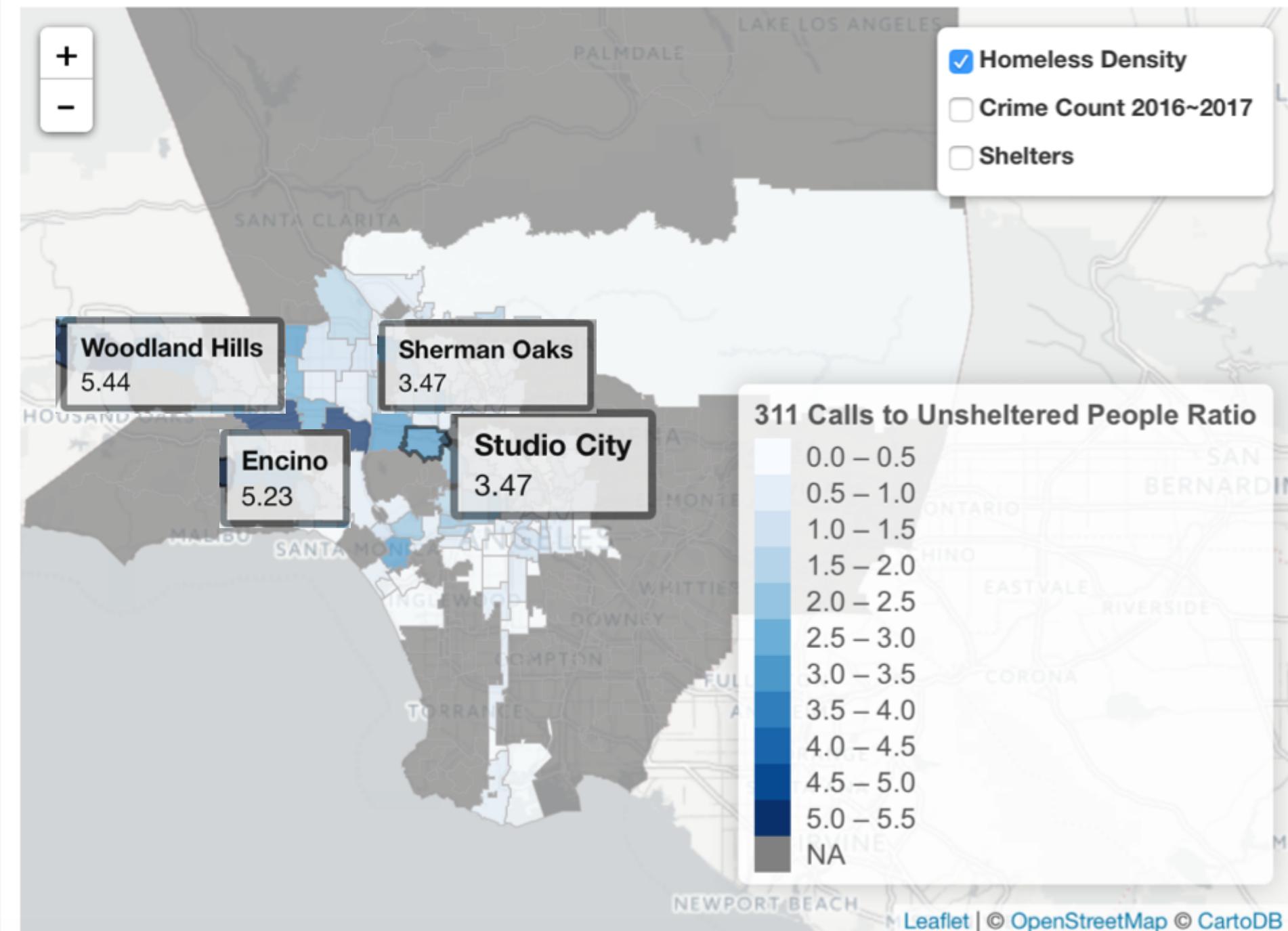


**III. Total
Homeless People
to Number of
Shelters Ratio**

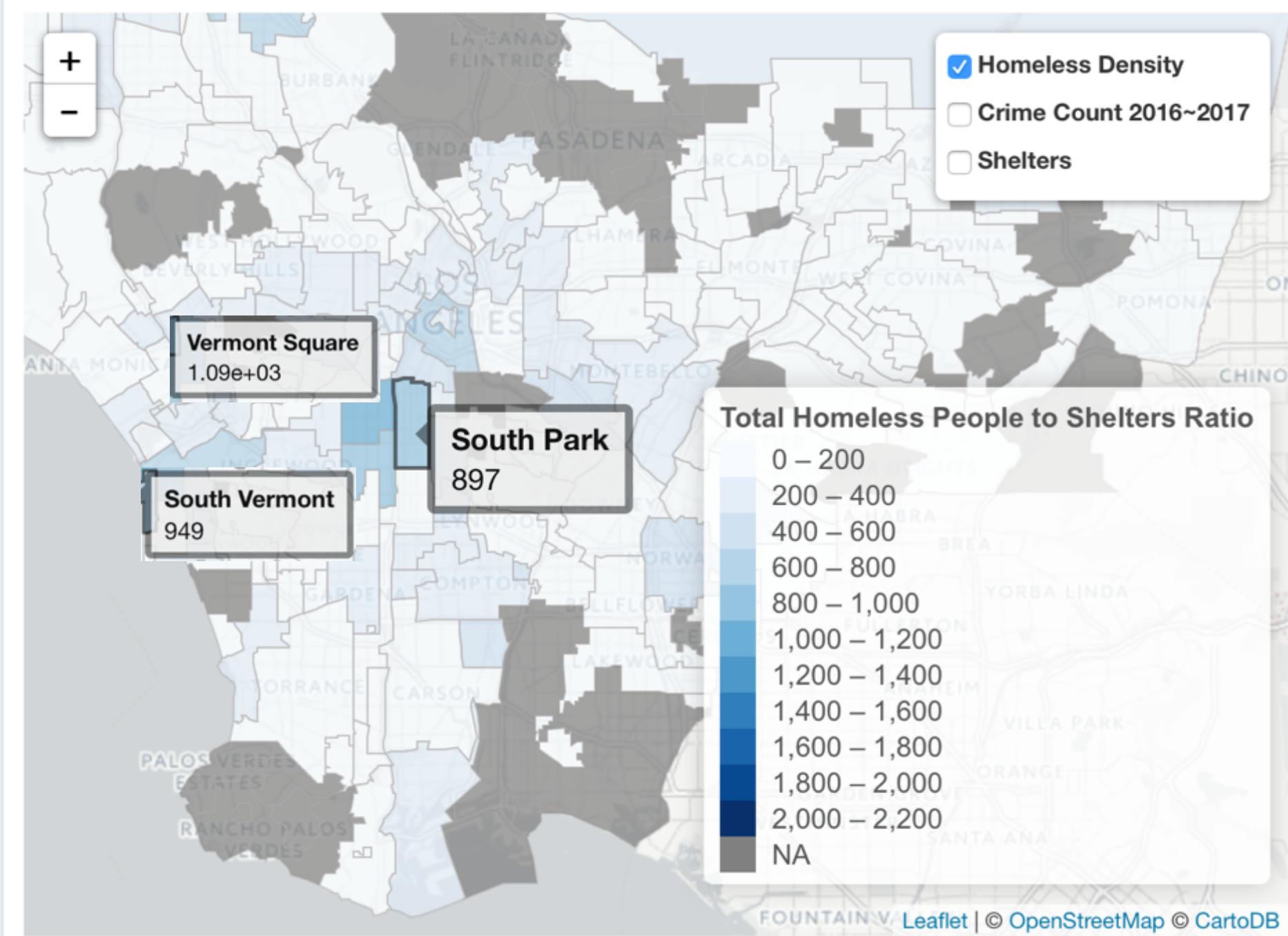
Which Communities in LA city are Most Dangerous for Homeless People?



Which communities in LA city are least tolerant towards seeing unsheltered homeless people?

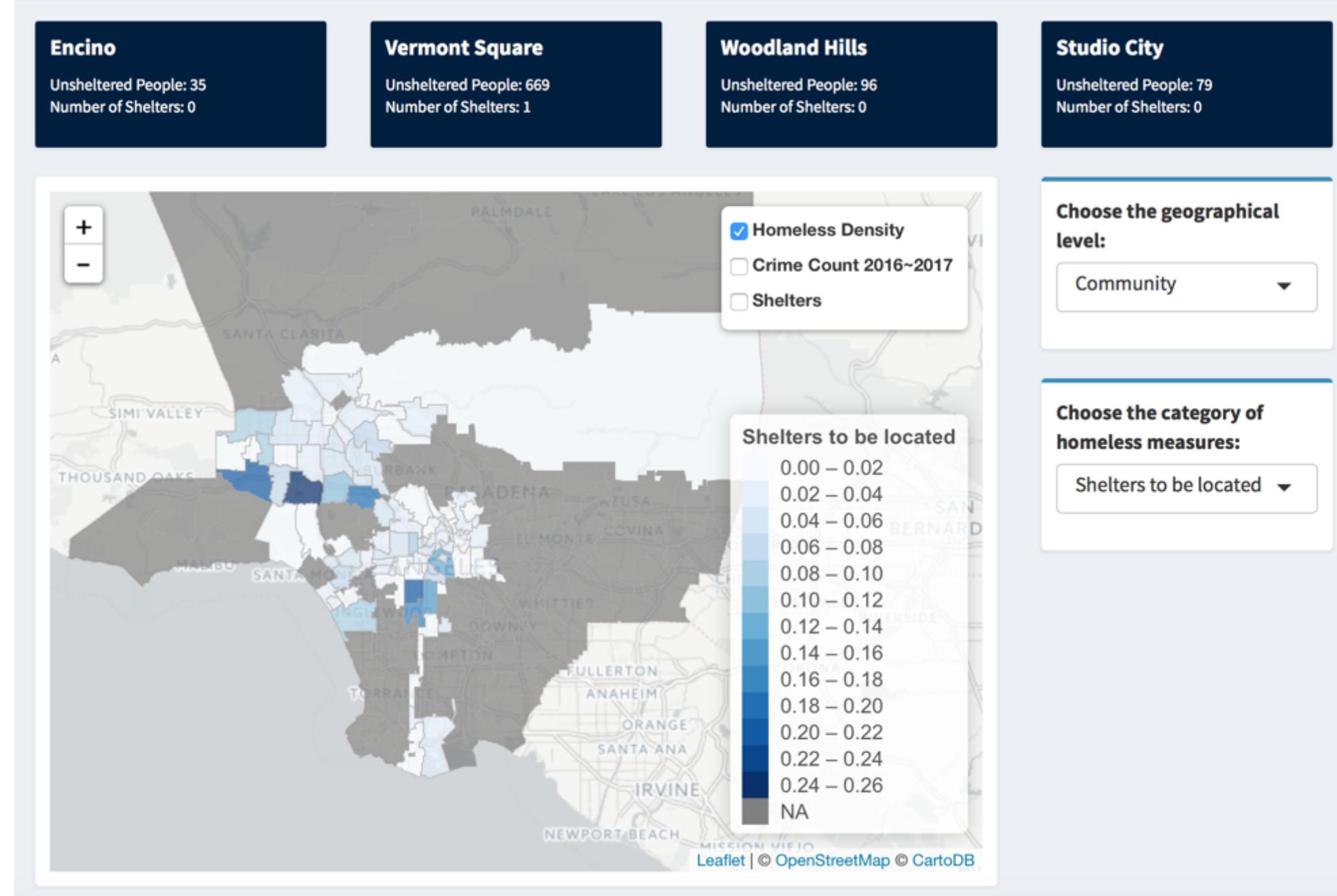


County-wise, which communities need most housing support?



Which communities are good for new shelters within LA city?

Using an overall index putting different weights on three ratio indices



Community Corner

Homelessness Increased In Sherman Oaks, San Fernando Valley

The rising cost of housing, along with a housing shortage, was acknowledged by officials as a top cause of the homeless problem.

By [Alexander Nguyen](#), Patch Staff | May 31, 2017 7:39 pm ET



Recommen dations

The top choices
outside LA city:

Unincorporated
Antelope Valley,

Unincorporated
Palmdale



Unincorporated Antelope Valley



Unincorporated Palmdale

Summary



Overview of the main dashboard



A demonstration of one investigation and actionable insights



Many more actionable insights



THANK YOU

