Homeless Analysis
Sean Perry and Kacey Logan
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All these images from google street view, looking north on the east corner of G and 5th

Possible explanation found for a homeless cluster in this area (2014 there was not a cluster here)
In 2016, this building has paper put up in the windows, the cluster has formed in this year.
November 2017

Full construction in 2017.
Due to this apparent construction starting in 2016, one hypothesis construction lead to the formation of this cluster.
Effect of Rain On Homeless Concentration

[Chart showing the effect of rain on homeless concentration with a map in the background.]
Conclusions

- In the gaslamp district, specific building types and land areas are correlated with higher concentrations of homeless populations.
- Homeless populations are strongly drawn to two main areas: a movie theater construction site and the park.

Questions:

- Does this pattern remain present across more than one year?
- Are the other noticeable concentrations patterns that appear at irregular intervals?
- Do other construction sites have higher amounts of homeless and if so, do homeless populations drop after construction ends?
Income and Homeless Concentrations

January 1, 2018 to July 1, 2018
Comparing Rent And Homeless Counts

Number of Homeless And Rent Price vs. Year

Legend:
Homelessness Concentration
How many?
High

Location Affordability Index
avg_h_mort
× 1,925
1,363
× HVI
< 192

January 1, 2018 to July 1, 2018
Conclusions

- In the gaslamp district, low income and high cost of living areas are correlated with higher concentrations of homeless populations.
- Homeless populations and rent prices have both increased over time.

Questions:

- Does this pattern still hold true with a larger data set?
- Are areas with a low median income and more housing have higher concentrations of homeless overall.