

An Introduction to GIS and Gentrification

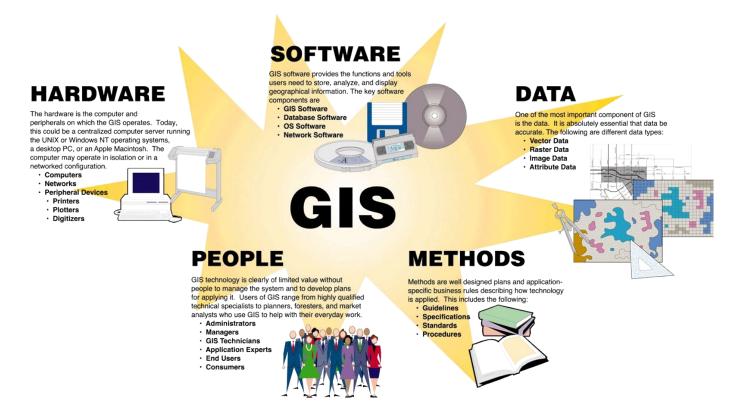
"The more students work at storing deposits entrusted to them, the less they develop the critical consciousness which would result from their intervention in the world as transformers of that world. The more completely they accept the passive role imposed on them, the more they tend simply to adapt to the world as it is and to the fragmented view of reality deposited in them."

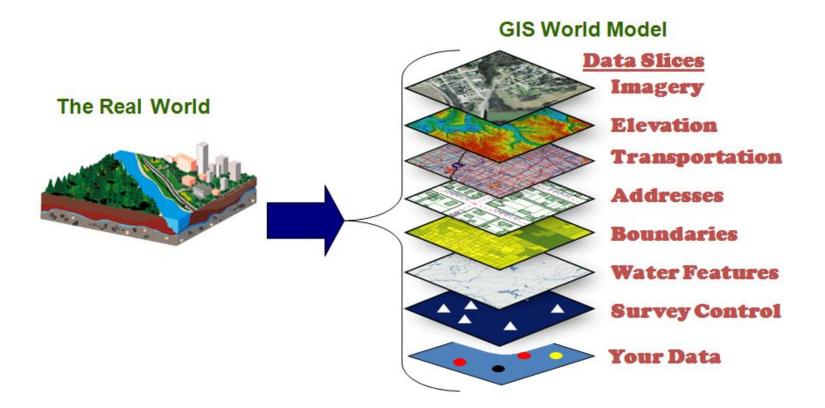
- Paulo Freire

## Agenda

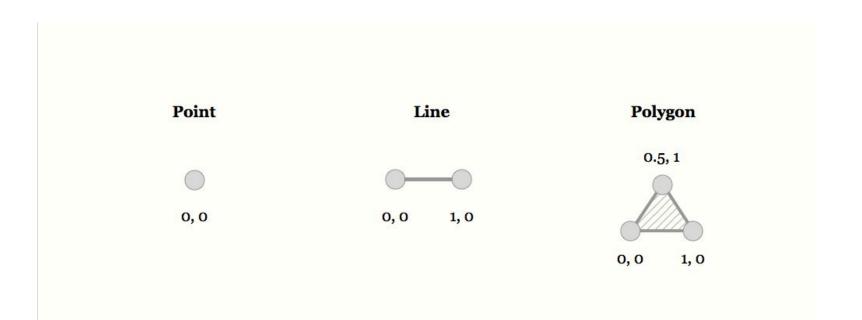
- What is a GIS?
- Introduction to geospatial data
- Gentrification Storyboarding
- Mapping exercise
- Concluding thoughts

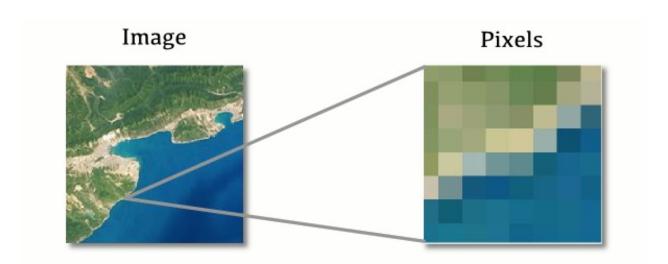
A Geographic Information System (GIS) links spatial (locational) and tabular (database) information (data) and enables a person to visualize those patterns, relationships, and trends.



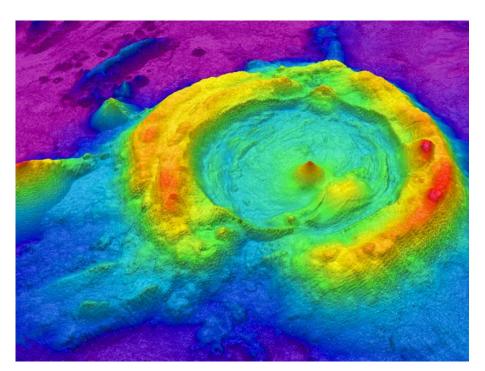


	- No. ()	2011		2012		2013		Total	
Salesperson	Country	Units	Order Amt	Units	Order Amt	Units	Order Amt	Units	Order Amt
Bromley	UK	232	24,756.89	228	40,396.64	73	9,894.51	533	75,048.04
Bromley	USA	58	7,553.95	27	3,654.00	7	1,101.20	92	12,309.15
Callahan	USA	623	49,400.07	337	43,263.95	200	18,059.50	1,160	110,723.52
Coghill	UK	81	4,029.25	39	4,657.11		No.	120	8,686.36
Coghill	USA	885	120,626.31	520	46,505.90	405	49,945.11	1,810	217,077.32
Farnham	UK	170	14,055.87	44	5,892.65	17	2,560.40	231	22,508.92
Farnham	USA	699	89,663.20	506	73,360.59	217	15,663.56	1,422	178,687.35
Finchley	USA	699	95,850.36	487	55,787.97	302	30,861.76	1,488	182,500.09
Fuller	USA	539	71,168.14	473	73,524.18	170	17,811.46	1,182	162,503.78
Gillingham	UK	397	40,826.37	276	17,181.58	202	14,519.68	875	72,527.63
Gloucester	UK	209	31,433.16	143	19,691.89	135	17,667.20	487	68,792.25
Rayleigh	UK	422	59,827.19	268	41,903.64	131	15,232.16	821	116,962.99
Grand Total	0	5,014	609,190.76	3,348	425,820.10	1,859	193,316.54	10,221	1,228,327.40



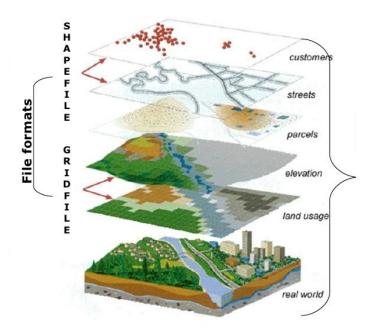




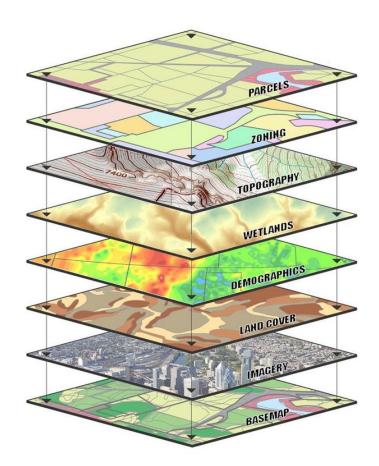


 $\mbox{\rm Map}$  of a huge caldera in the NE Lau Basin, created from multibeam data processed with GIS software.

NOAA: http://oceanexplorer.noaa.gov/technology/tools/mapping/mapping.html



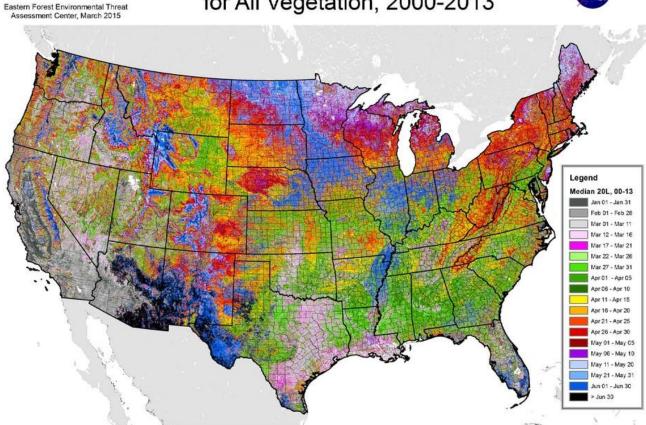
GIS: A geographic information system (GIS), also known as a geographical information system, is an information system for capturing, storing, analyzing, managing and presenting data which are spatially referenced (linked to location).

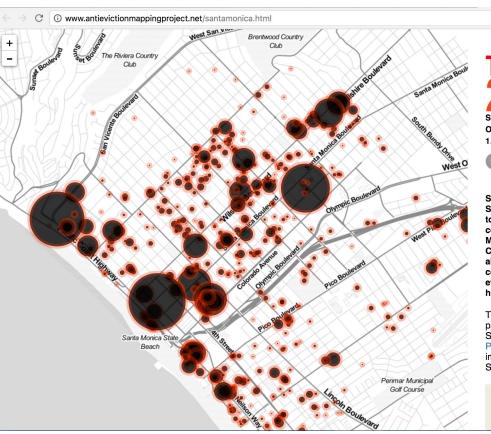




# ForWarn's Median Start of Greenup Date for All Vegetation, 2000-2013







# THE ELLIS ACT **2154**

SANTA MONICA FAMILIES FORCED OUT OF THEIR HOMES, 1/1/1986 - 2/12/2016

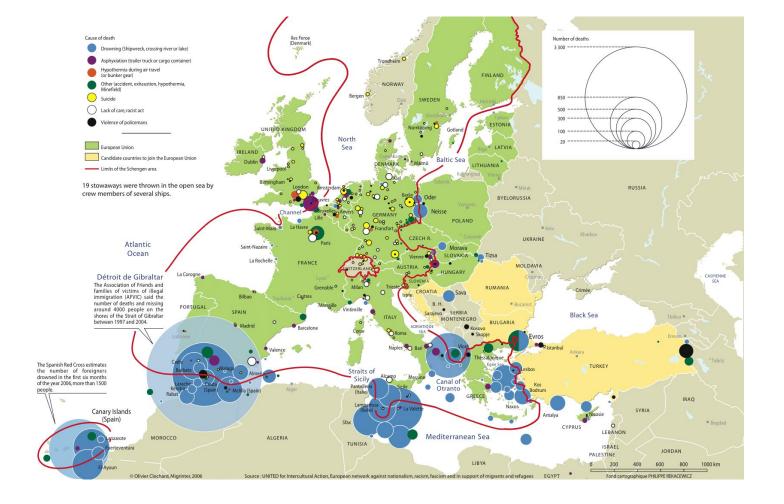
★ (=) (-) Is (p) :

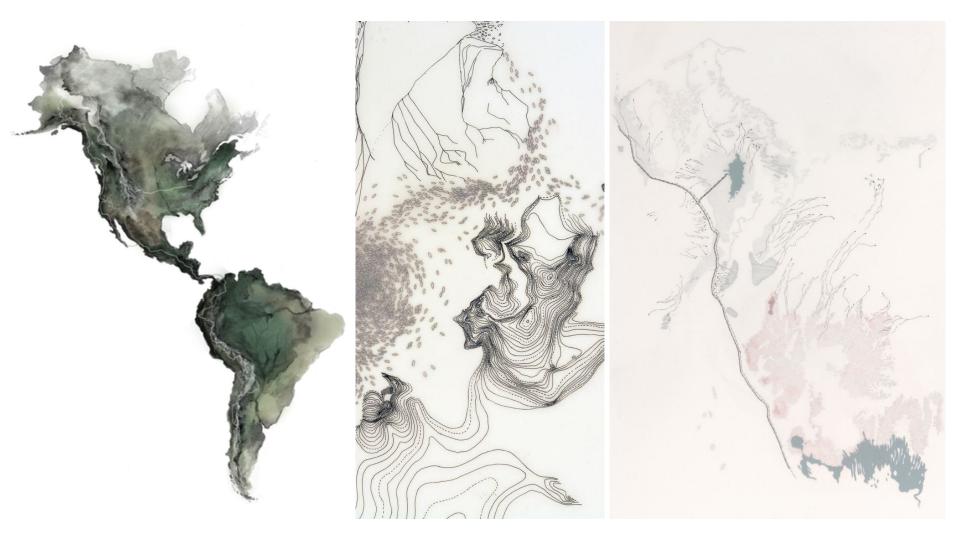


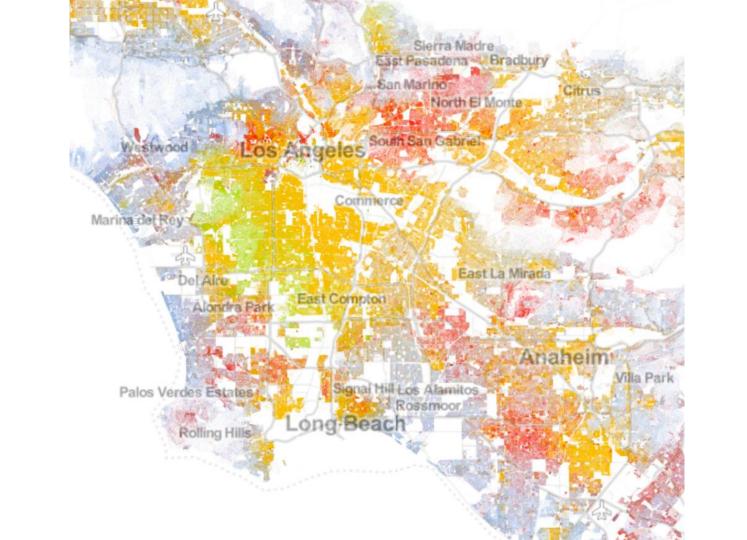
Since the Ellis Act was enacted in 1986 in Sacramento, giving property owners the right to exit the rental business, thousands of rent controlled units have been lost in Santa Monica. Coupled with the passage of the Costa-Hawkins Rental Housing Act in 1999, allowing owners to raise the rents of rent-controlled units when tenants relocate or are evicted for non-payment, real affordable housing is under constant threat.

The Pico Neighborhood Association (PNA) in partnership with the Rent Control Board of Santa Monica and the Anti-Eviction Mapping Project have put together a map illustrating the impact of the Ellis Act since it's passage, on Santa Monica over time.



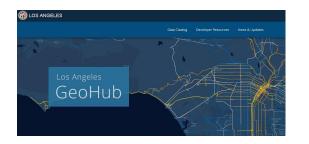






### Storyboarding

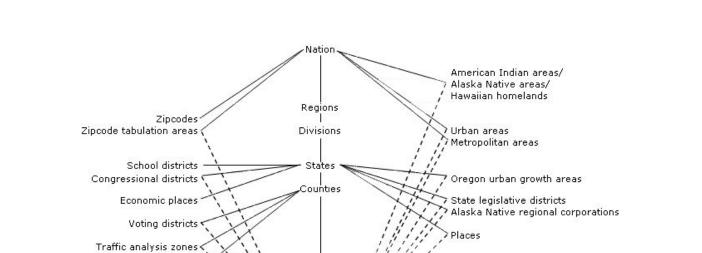
- How would you define gentrification?
- What words would you use to describe the process of gentrification?
- What words would you use to describe the effects of gentrification?
- What types of data would you employ to characterize the process of gentrification?
- What methods would you use to identify gentrification?
- What information are you using to tell your story of gentrification?
- What areas do you think are being affected by gentrification in Los Angeles?











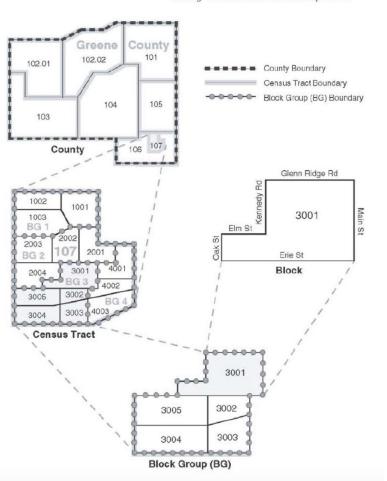
Census tracts

Block groups

County subdivisions

Subbarios

Figure 3. Geographic Relationships—Small Area Statistical Entities
County-Census Tract-Block Group-Block





#### Census Tract Typology Classification

Lower Income Tracts (> 39% of HH are considered Low Income)

Moderate to High Income Tracts (<39% of HH are considered Low Income)

Not losing low income households or

Does not fall within any of the below

Not losing low income households or very early stages Does not fall within any of the below categories

• In TOD

At risk of gentrification or displacement · Strong market

At risk of displacement · Strong market · In TOD

· Historic housing stock

very early stages

categories

households

· Historic housing stock · Losing market rate affordable units

· Losing market rate affordable units Employment center

· Employment center

**Undergoing displacement** 

**Advanced Exclusion** 

**Advanced Gentrification** • Gentrified between 1990 and 2000 or

 Very low proportion of low income households • Very low in-migration of low income

o Neighborhood vulnerability o Demographic change

o Real estate investment

between 2000 and 2013 based on:





# Is "gentrification the new colonialism?"

# What is your role in that process?

What is to be done?

"Now is the accepted time, not tomorrow, not some more convenient season. It is today that our best work can be done and not some future day or future year. It is today that we fit ourselves for the greater usefulness of tomorrow. Today is the seed time, and tomorrow comes the harvest..."

- W.E.B. Du Bois

# Thank you.

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