

Educational Discrepancies in LA County

ISBA 4760

We were wondering...

Is the Student Achievement Gap present in LA
county?

How did we explore this?

-**US Census:** Educational Attainment, School Enrollment, Total Population, Unemployment rate, Income rates, Diversity Index

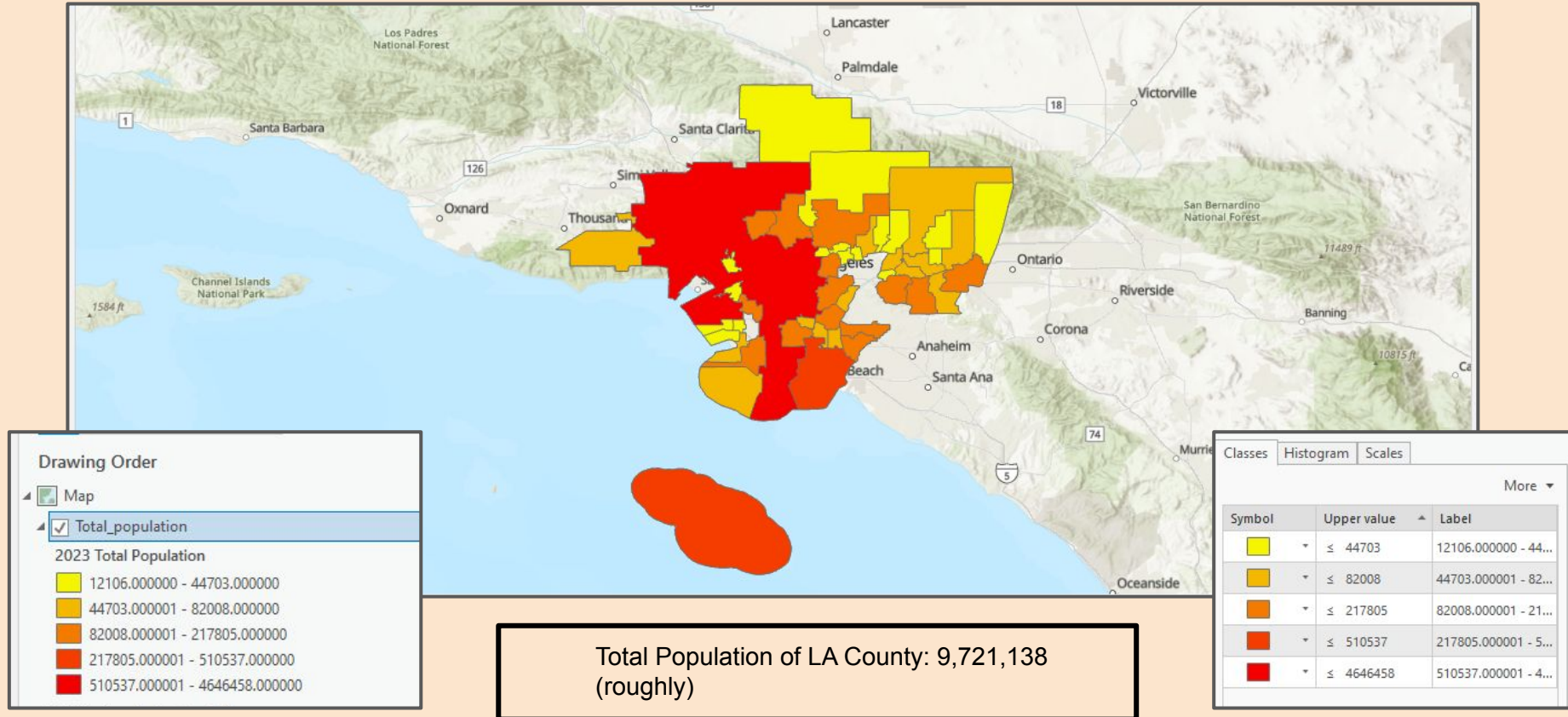
-**California Department of Education:** Identification and location details & school characteristics,



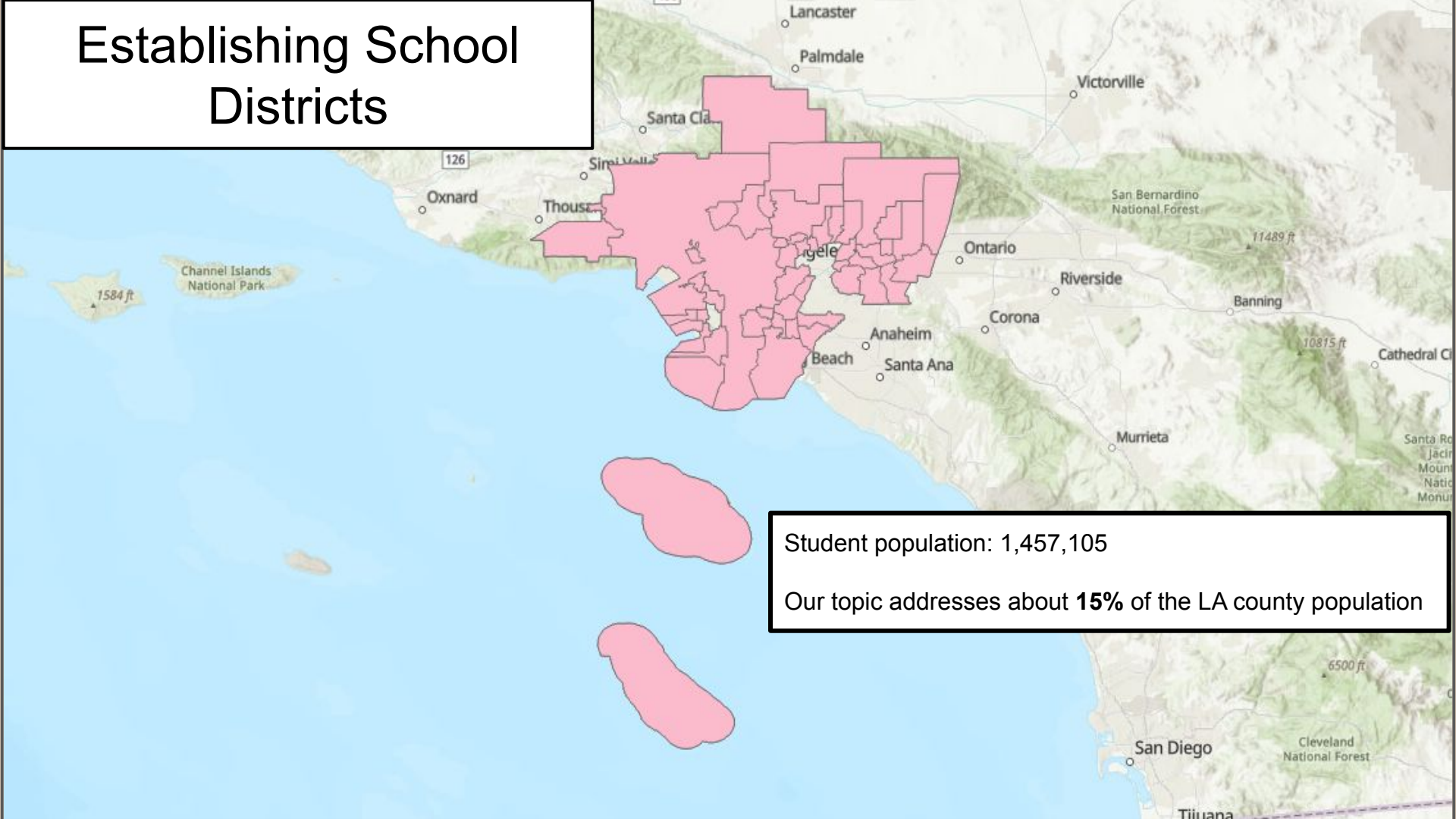
Initial Exploration

Total Population

*Population density plays a role in educational resources and achievements per sector



Establishing School Districts

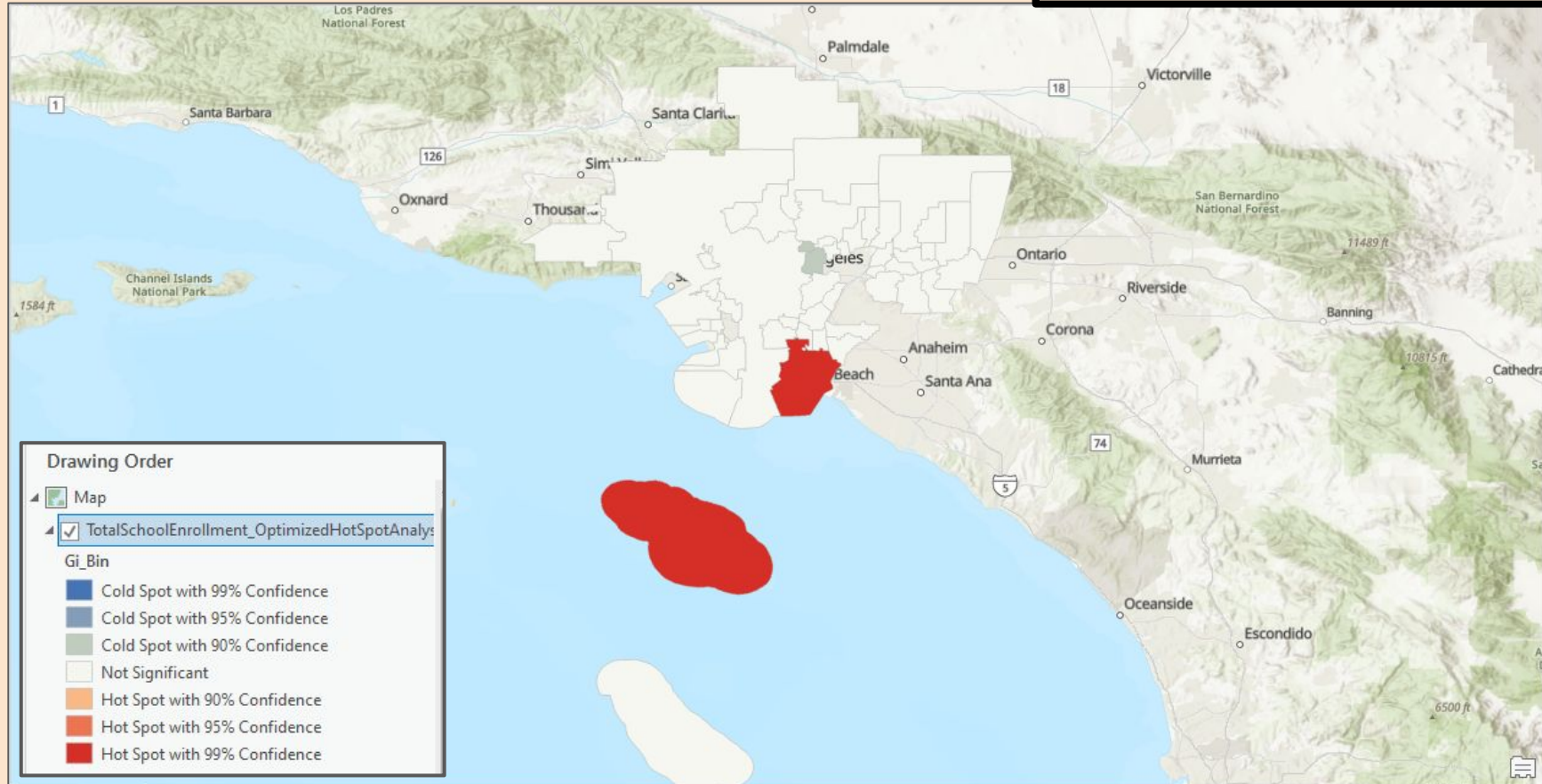


Student population: 1,457,105

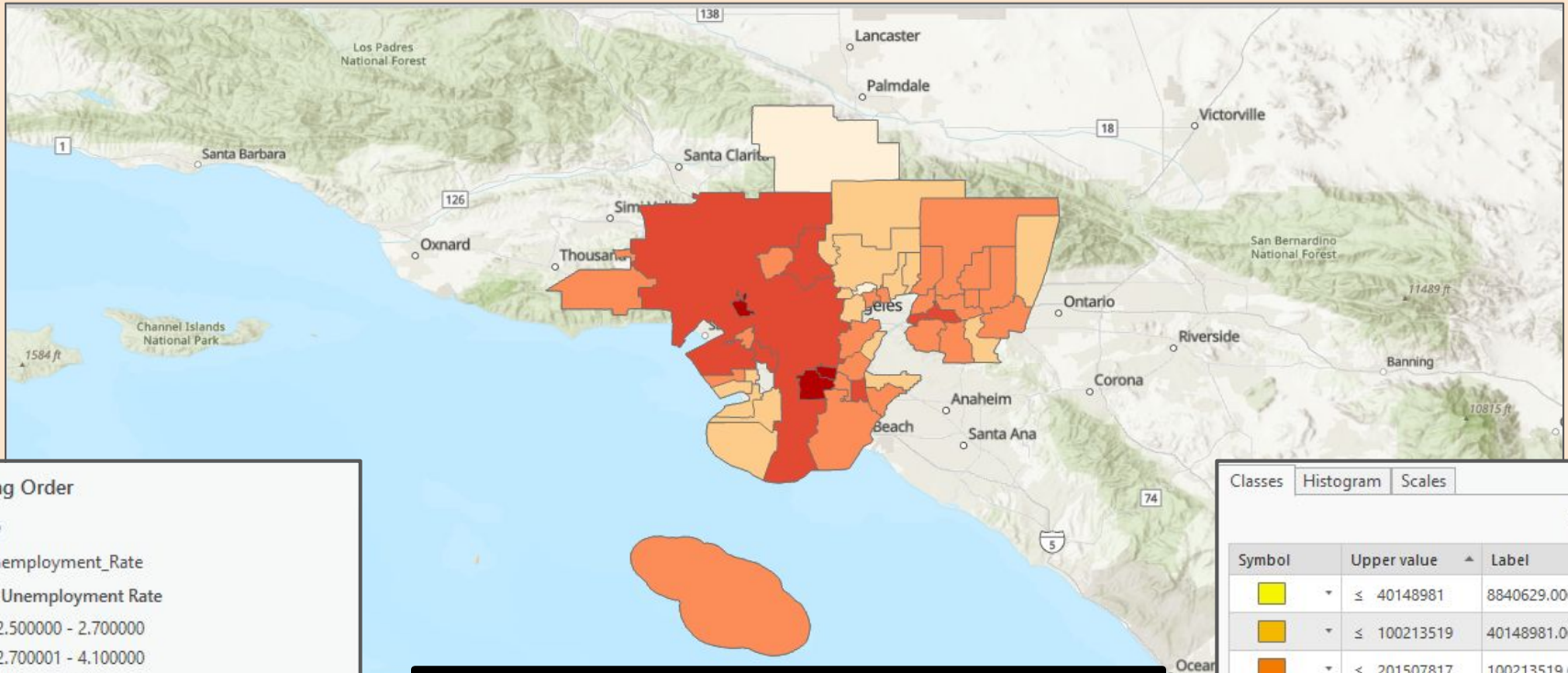
Our topic addresses about **15%** of the LA county population

Total School Enrollment Hotspot Analysis

*hot spots (in red) indicate areas with a high number of individuals aged 3 and above enrolled in school



Unemployment



Drawing Order

- ☒ Map
- ☒ Unemployment_Rate

2023 Unemployment Rate

- 2.500000 - 2.700000
- 2.700001 - 4.100000
- 4.100001 - 5.000000
- 5.000001 - 5.700000
- 5.700001 - 7.100000

Classes Histogram Scales

More ▾

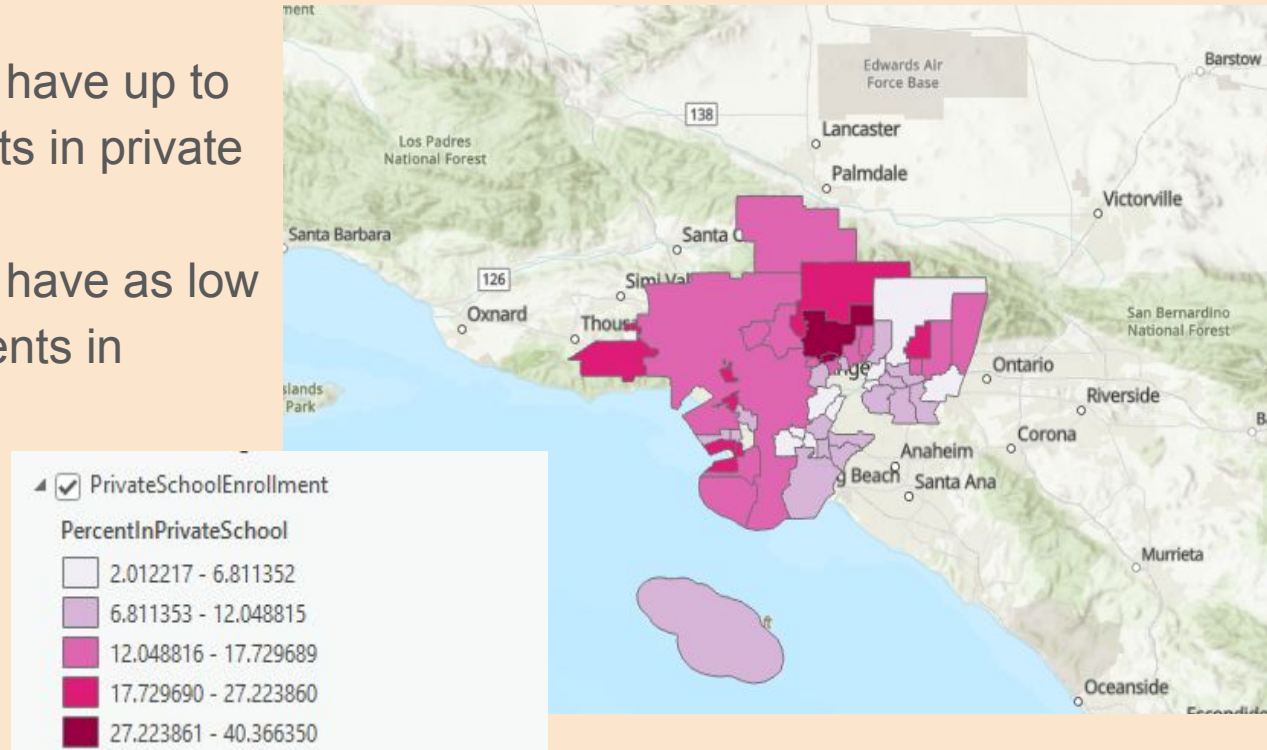
Symbol	Upper value	Label
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	≤ 100213519	40148981.000001...
	≤ 201507817	100213519.00000...
	≤ 555922578	201507817.00000...
	≤ 1810239879	555922578.00000...

*unemployment rates may correlate with educational attainment and school enrollment

Private School vs Public School Analysis

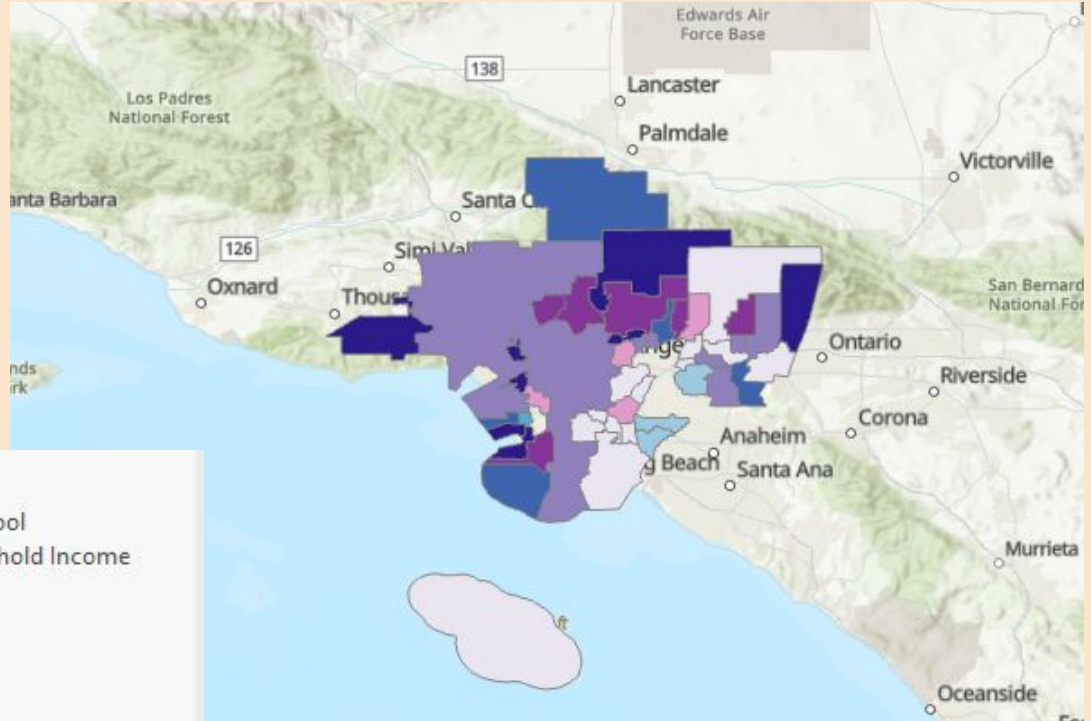
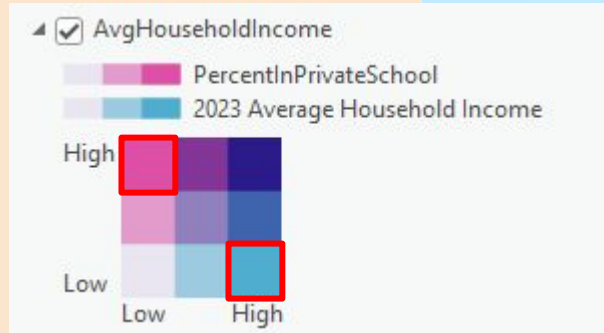
Students in Private School

- Some districts have up to 40% of students in private School
- Some districts have as low as 2% of students in private school



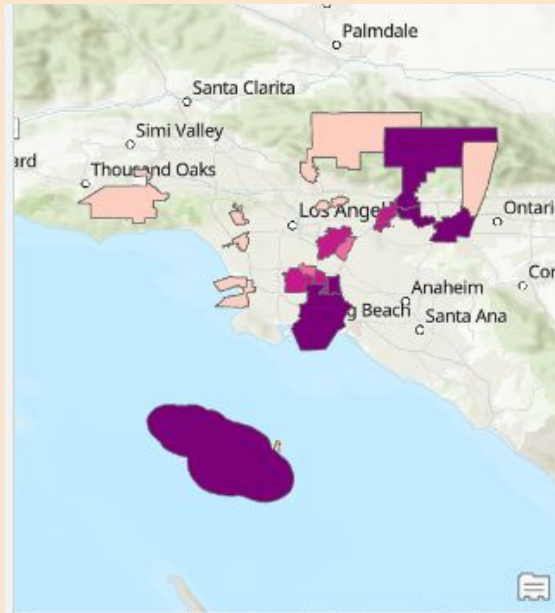
Private School and Income Comparison

- Only one districts fall within either extreme (Wiseburn Unified SD)
- Shows correlation between income level and amount of students in private school



Diversity Index Comparison

Non-Orange areas show **Lowest private school enrollment and lowest income SD's**



Non-yellow areas show **Highest Private School Enrollment and Highest Income SD's**



Educational Attainment by District Area Analysis

Bachelor's Degree vs. Graduate/Professional Degree

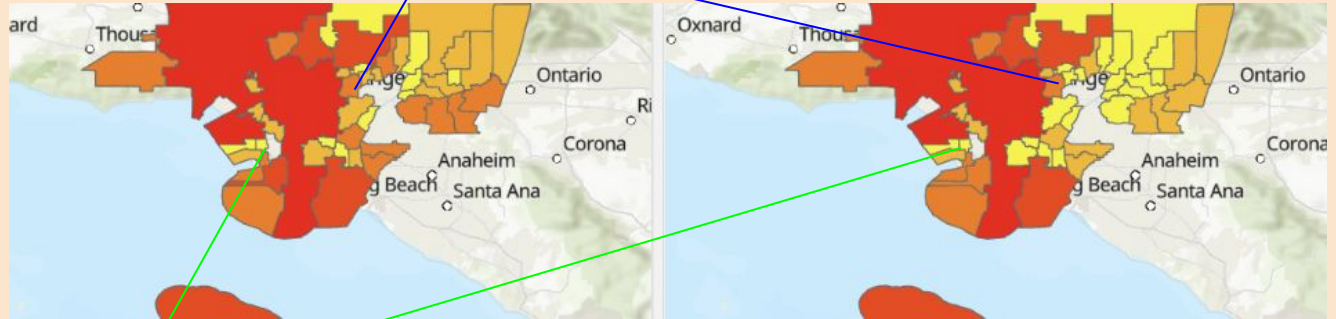
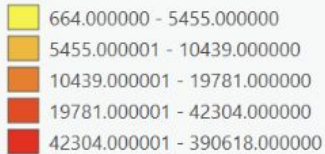
South Pasadena Unified School District:

Bachelor's Degree Population: 7,441

Graduate/ Professional Degree Population: 6,854

Bachelor's

Graduate / Professional



Culver City Unified School District:

Bachelor's Degree Population: 10,688

Culver City Population: 9,473

Completed 9th Grade or Less vs. Completed GED

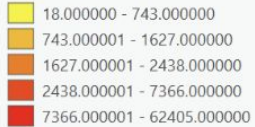
Paramount Unified School District:

GED Population: 1,499

No HS Population: 7,500

9th Grade or Less

GED



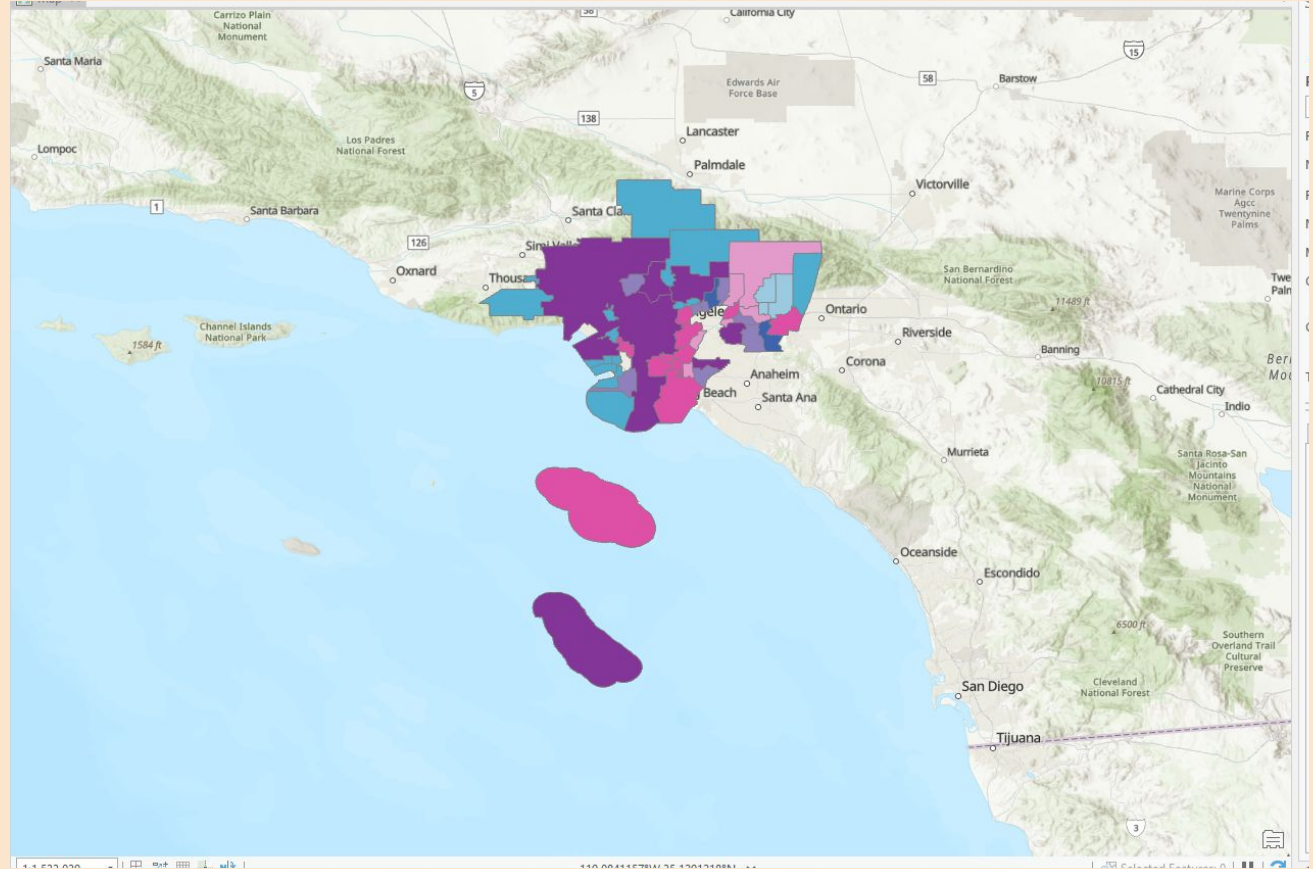
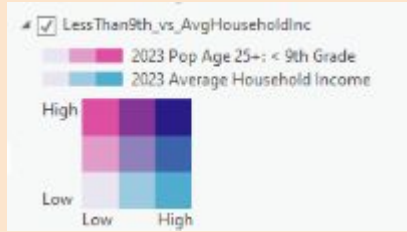
Bellflower Unified School District:

GED Population: 1,770

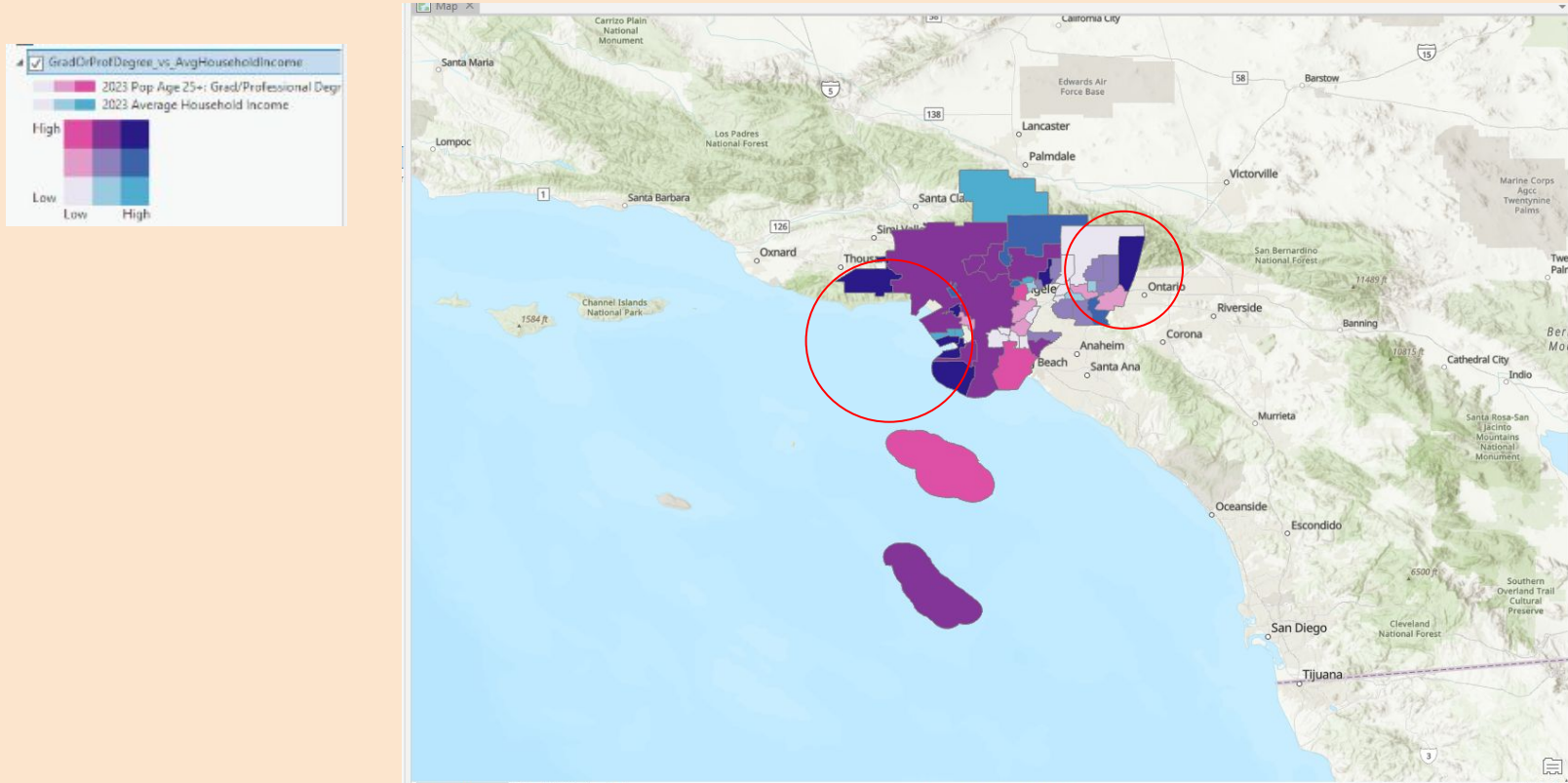
No HS Population: 4,688

Average Household Income Comparisons

Less than 9th Grade vs Avg Household Income



Graduate Professional Degree vs Avg Household Income



Summary of Results

Analysis and Results

- Private school enrollment is weighted toward the west and north sectors of LA
- West and north sectors also have more completed degrees
- Densely populated areas have more resources to offer
- Districts with a high income also tend to have a high enrollment in private school
- Vice versa districts with lower income have lower enrollment in private school
- Diversity of district plays a factor in enrollment in private school and income levels
- The districts with the most completed degrees have higher income, there is a gap between those who did not make it to the 9th grade vs. those who received their graduate degree
- Public school dominant sectors seem to have lower success rate of getting students past 9th grade, preventing them from receiving as high an income as those who do make it past

Call for Action

The city of LA should more evenly distribute its students access to private schools in order to create equal opportunity, as well as getting more students to make it past 9th grade which would result in higher income in the future.

Solutions could include:

- opening more private schools in the east and south sectors
- creating more/higher paying jobs in areas with lower income and higher unemployment
- improving public school education district's resources so that they produce the same success rate as private school