

# Education Attainment in Los Angeles County, California

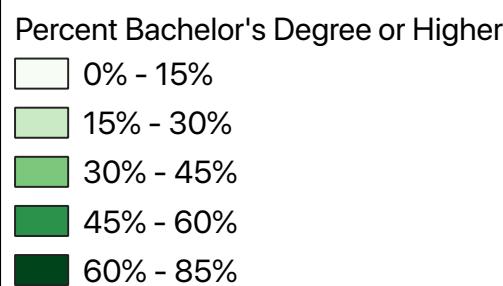
JAEHYEONG PARK  
GEOG7 Lab 1F

Ventura

San Bernardino

Riverside

Orange



Map Scale : 1 : 650,000

Data Sources : U.S. Census Bureau, TIGER/LINE Shapefile

Kern

Median Household Income in Los Angeles County,  
California

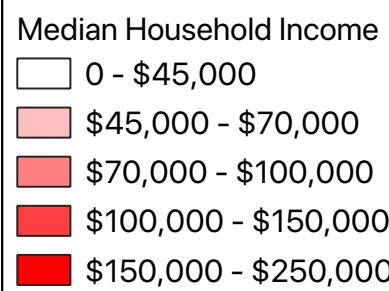
JAEHYEONG PARK  
GEOG7 Lab 1F

Ventura

San Bernardino

Riverside

Orange



Map Scale : 1 : 650,000

Data Sources : U.S. Census Bureau, TIGER/LINE Shapefile

# Housing Value: Median in Los Angeles County, California

JAEHYEONG PARK  
GEOG7 Lab 1F

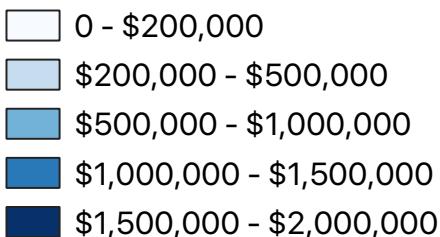
Ventura

San Bernardino

Riverside

Orange

## Housing value: Median



Map Scale : 1 : 650,000

Data Sources : U.S. Census Bureau, TIGER/LINE Shapefile

Race: Percent White in Los Angeles County, California

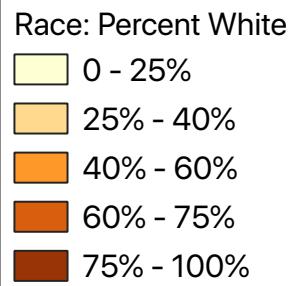
JAEHYEONG PARK  
GEOG7 Lab 1F

Ventura

San Bernardino

Riverside

Orange



Map Scale : 1 : 650,000

Data Sources : U.S. Census Bureau, TIGER/LINE Shapefile

# Race: Percent Asian in Los Angeles County, California

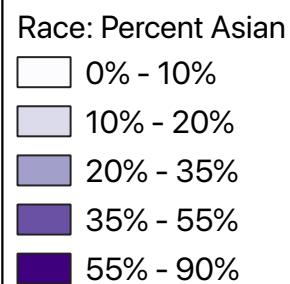
JAEHYEONG PARK  
GEOG7 Lab 1F

Ventura

San Bernardino

Riverside

Orange



Map Scale : 1 : 650,000

Data Sources : U.S. Census Bureau, TIGER/LINE Shapefile

## Unit 7 assignment writing

1. What projection or geographic coordinate system (EPSG code and name) is used by the California Census tracts TIGER/Line shapefile?

NAD 1983 CORS96 UTM Zone 11N or EPSG 102411 is used by the California Census tracts TIGER/LINE shapefile.

2. How many Census tracts are present in California in the TIGER/Line shapefile?

There are 8057 census tracts in California TIGER/LINE shapefile.

3. In the maps you created, what patterns do you notice in the spatial distribution of the specified variables? Make sure to discuss all of the variables and note whether the variable appears to be spatially clustered, dispersed, or randomly distributed.

The map I researched seemed to be clustered in general. First of all, it can see the most educational attainment in western Los Angeles on the educational attainment map. In the middle and east of Los Angeles, the percentage of educational attainment was very small. Besides, the median household income statistics also showed much clustered in western Los Angeles. And low income areas can be seen in the same way as low educational attainment rates. The third is a map showing the Housing value of the Median. On this map, you can see many clusters in western Los Angeles. However, the low concentration of housing prices is not shown much on the map. Finally, the white population statistics show many white people living on the western side of Los Angeles, although not everything. Statistically, the white population is well spread out on the outside of Los Angeles as well.

4. Discuss whether any spatial relationships appear to be present among the data variables included in your maps. For example, does the spatial distribution of any one of your variables appear to be similar to that of any other? Similarly, what differences are noticeable? Why might these similarities and differences be present?

Overall, western Los Angeles was very concentrated on the distribution chart of educational attainment, income, and housing value. Statistically, areas with higher college entrance rates can receive higher income and live in good houses. These results are mainly seen in western Los Angeles. Also, most of these areas are inhabited by white people. But not all white people live only in wealthy neighborhoods. Many white people live on the outskirts of low educational attainment. Therefore, it can be said that not all white people live in a good house with a high educational attainment rate and a good income. These results have surprised me. In addition, i researched the Asian Racial Survey in California and the educational attainment rate by race. This study shows the income and housing value of areas with educational attainment. Moreover, most of the areas where Asians live are usually places with moderate educational performance. According to the Town Chart, California's white education achievement was 38 percent, but Asians accounted for 54 percent. If you check the map, the areas where Asians live are mostly middle-income areas. The high educational attainment of Asians seems to be related to high income and housing values. As a result, my opinion is that educational achievement is related to income and housing value.

## Work Cite

TownCharts. Los Angeles California Education data. Retrieved November 22, 2020, from <https://www.towncharts.com/California/Education/Los-Angeles-city-CA-Education-data.html>