Analysis for Project

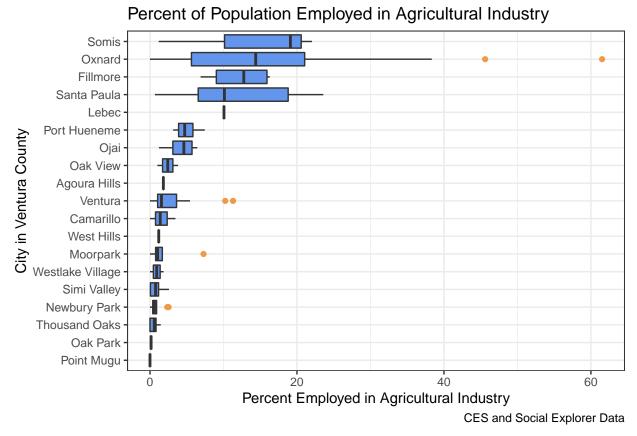
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Introduction

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Use this R Markdown to perform the main analysis for the project. I use this basically as a lab notebook.

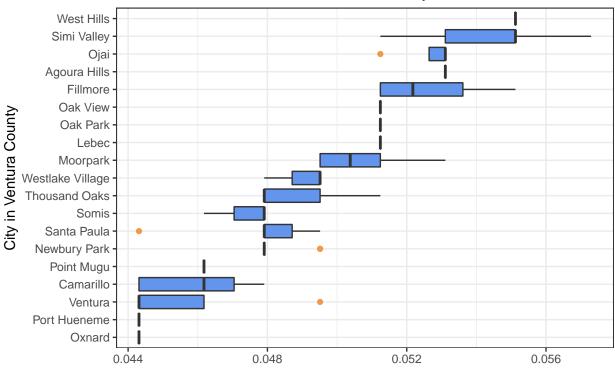


The City of Oxnard has a higher percentage of its total population working in the agricultural industry than most of Ventura County, save for the unincorporated rural agricultural community of Somis. Because of this, it is likely that Oxnard is uniquely suseptible to environmental hazards, as farmworkers tend to have greater environmental health concerns directly due to the environments in which they live and work.

To quantify this hypothesis, we look at enviornmental and socioeconomic data.

Little to no Oxnard data.

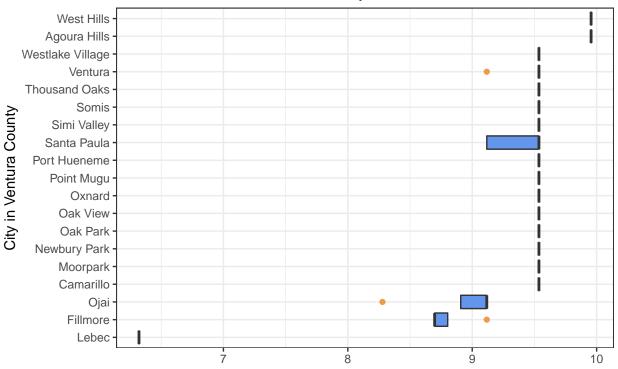
Ozone Concentrations in Ventura County



Mean of summer months(May-Oct)of daily max. 8-hr ozone concentration (ppm), avg. of 2 CES Data

Figure 1: title here

PM 2.5 Levels in Ventura County



Annual mean concentration of PM2.5 (avg of quarterly means, ..g/m3), 2012 to 20 CES and Social Explorer Data

Figure 2: none

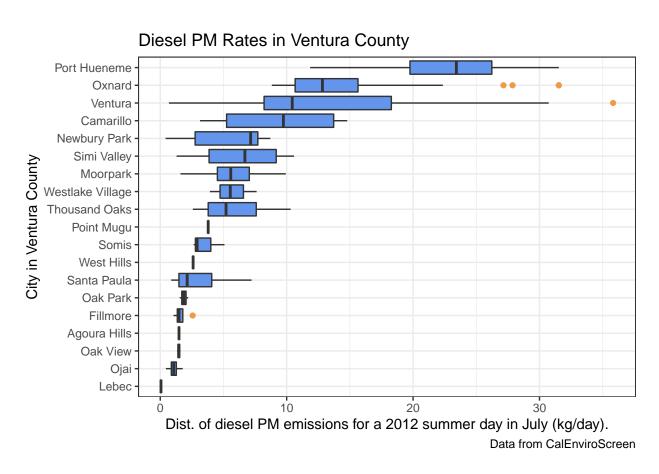


Figure 3: none

Similar levels among most of VC.

Particulate matter (PM) from diesel can have a number of various sources, including both on and off road, which can include traffic from freeways, roads, and ports, where communities with higher traffic subsequently have higher PM rates. Exposure to higher rates of diesel particulate matter can have adverse effects on health, including cardiovascular risks. [CITE]

Drinking water contaminants in Ventura County Lebec Somis West Hills Port Hueneme Agoura Hills Camarillo City in Ventura County -111 Fillmore Westlake Village Santa Paula Oak Park Ojai Ventura Oak View Oxnard Simi Valley Point Mugu Moorpark Newbury Park **Thousand Oaks** 200 400 600 800 Drinking water contaminant index for selected contaminants

Figure 4: none

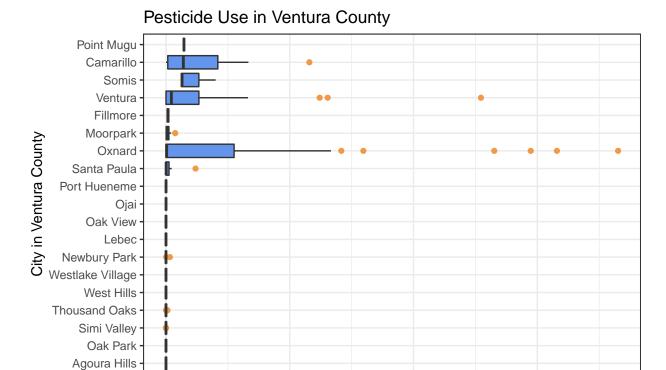
CES and Social Explorer Data

No significant Oxnard data.

Some significant Ox data w many outliers.

No sig. Ox data.

Educational attainment not only has a prominant effect on socioeconomic status, but can also be an indicator of community health. Studies suggest that greater educational attainment can be linked to overall health in a community. [CITE] From data estimates from 2011-2015, we find that communities within Oxnard tend to have a greater range of educational attainment, yet the average rate of those without a high school education is higher than the averages for other cities within the county.

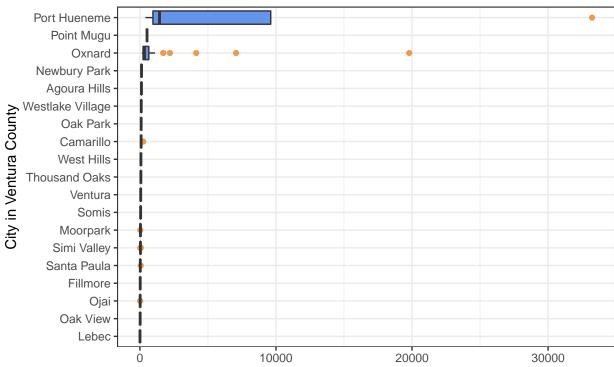


Total lbs of pesticide ingredients used in production–agriculture per square mile, 2012 t

CES and Social Explorer Data

Figure 5: none

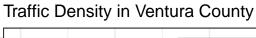


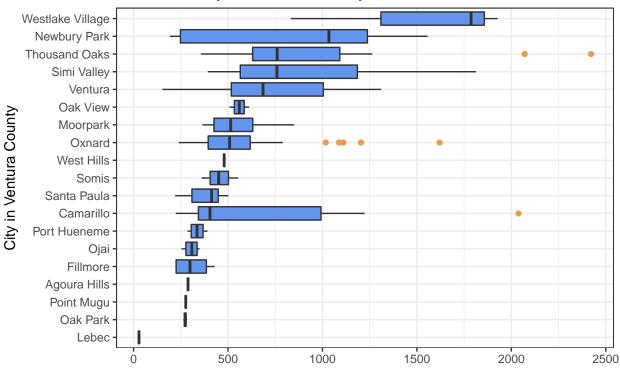


Toxic concentrations of chemical releases to air, 2011 to 2013.

CES and Social Explorer Data

Figure 6: none





Sum of traffic volumes divided by total road length within 150 meters of the census tract bou CES and Social Explorer Data

Figure 7: none

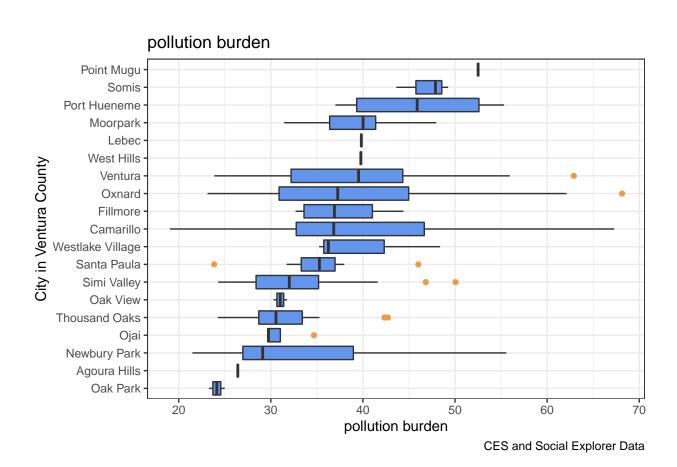
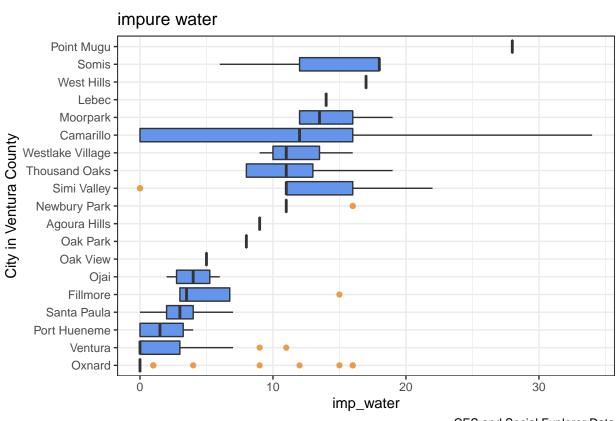
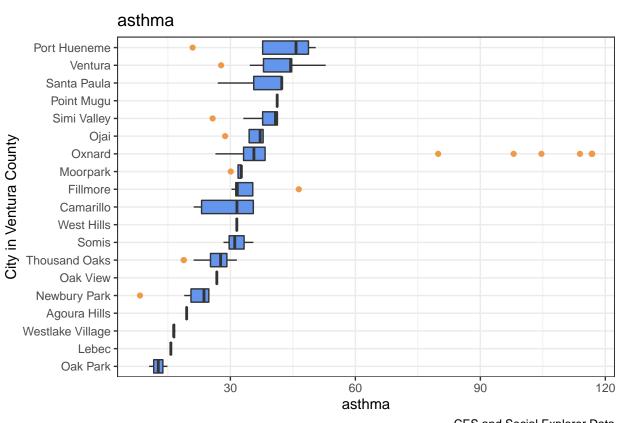


Figure 8: none



CES and Social Explorer Data

Figure 9: none



CES and Social Explorer Data

Figure 10: none

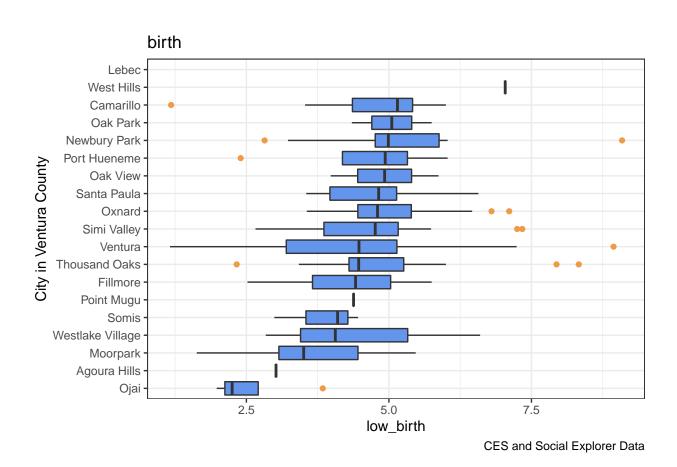


Figure 11: none

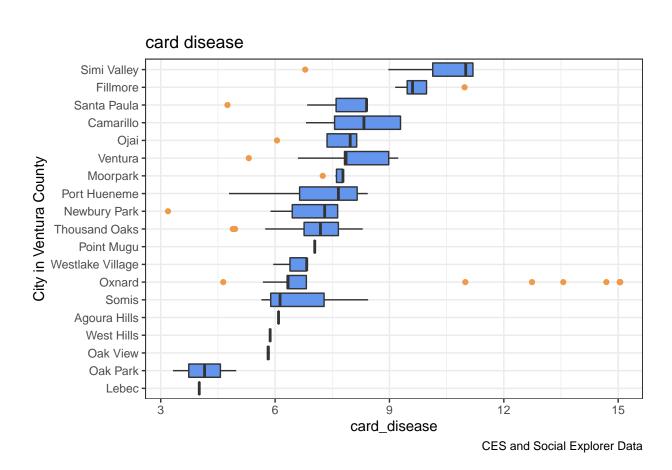
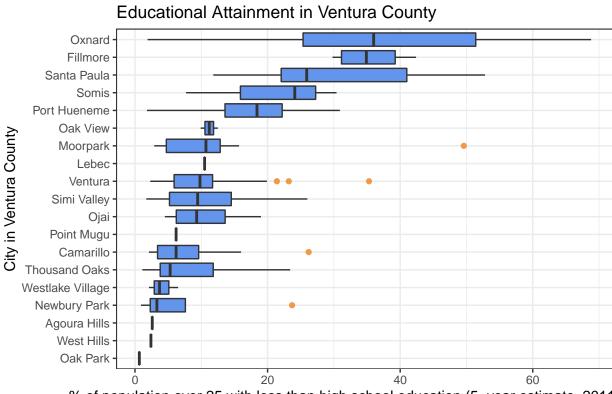


Figure 12: none



% of population over 25 with less than high school education (5-year estimate, 2011-CalEnviroScreen Data

Figure 13: none

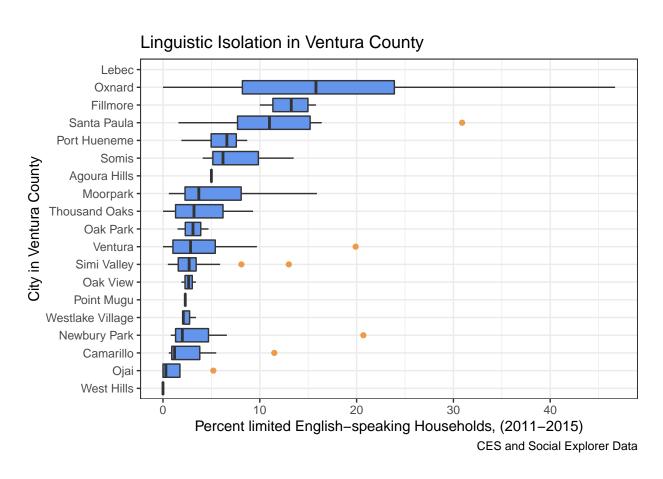


Figure 14: none

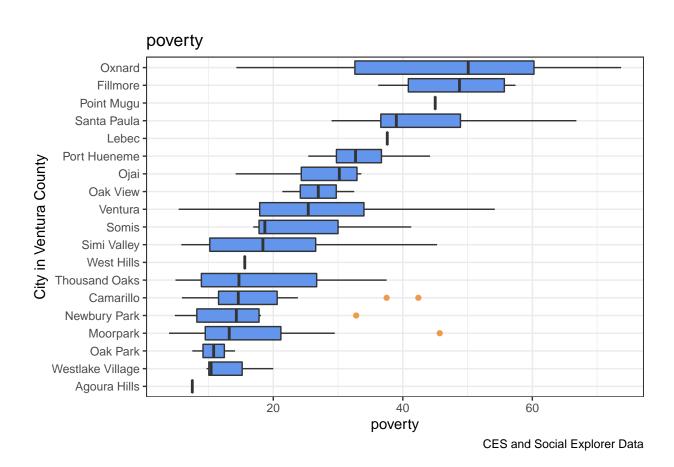
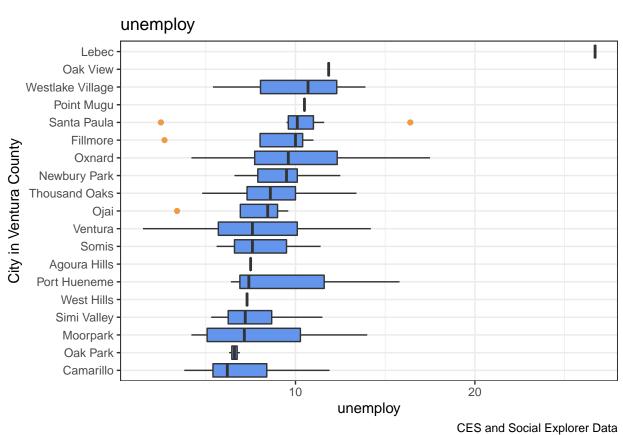


Figure 15: none



OLO and Coolai Explorer Ball

Figure 16: none

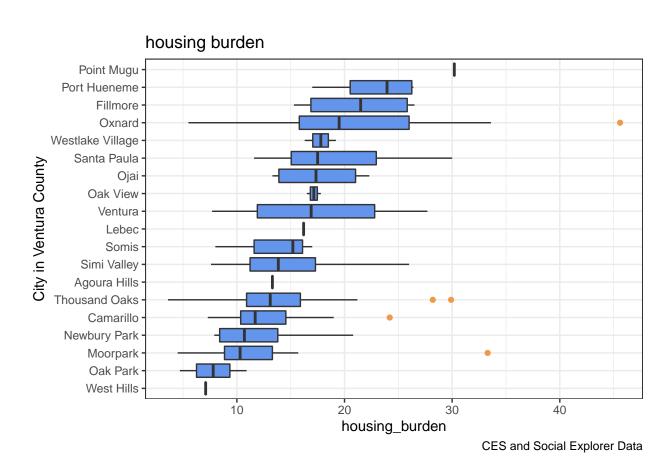


Figure 17: none

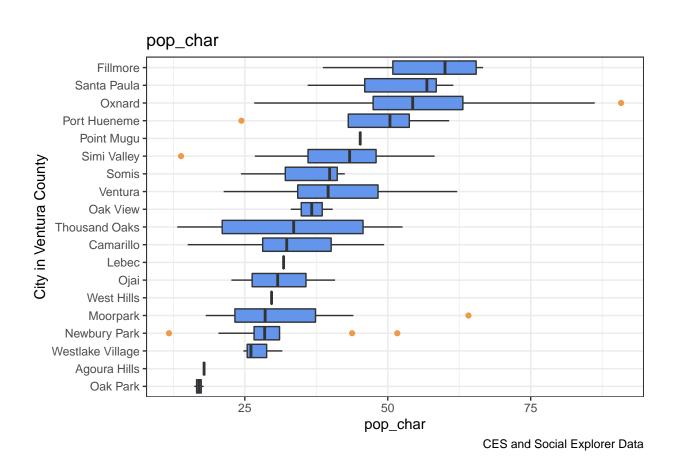


Figure 18: none