Question II

**“How do case and population growth differ across urban, suburban, and rural counties?”**

The second question we sought to answer was “How do case and population growth differ across urban, suburban, and rural counties?”. There are several reasons why this question is interesting and important. These reasons include social, economic, and cultural. Socially, finding the differences in population growth and case growth can reveal disparities in healthcare access, living conditions, and the infrastructure of public health in differently populated areas. Economically, finding an increase or decrease in cases within a county can affect labor markets, housing markets, and the allocation of resources, specifically pharmaceuticals. Culturally, the analysis of this data may highlight the response hygienically to a global pandemic, even though the pandemic was caused by a virus. All of these realizations could aid policymakers, urban planners, and healthcare leaders to intervene more efficiently. On the other hand, these same leaders would have more data to support the investment into various developments within the state of California. This question is tied to the dataset because of its emphasis on the correlation between population and infectious diseases, which are both prominently recorded in the dataset.