**Lab 3**

Scatter chart

Description automatically generated

I have implemented options 1 and 3.

1. What area of California are most susceptible to earthquake hazards in terms of earthquake frequency magnitude and population density?

From looking at the magnitude clusters in terms of earthquake frequency magnitude and population density Sonoma, Madera and Mono County.

1. Limited access highways can move the largest number of people. What area of California would be most susceptible to earthquakes causing damage to limited access highways?  
     
   Fresno, Santa Clara, San Benito, Los Angeles, San Bernardino are the areas of California would be most susceptible to earthquakes causing damage to limited access highways.
2. What spatial patterns do you see emerging in your map? What might those patterns imply for disaster management issues?

From looking at the map we can see that high frequency earthquakes are mostly experienced near the northern and western regions of California. While the southern regions of California experience low frequency earthquakes.