We want to know the association between the different types of nursing home ownership and the quality measure rating.

For profit on the left, government in the middle of the graph and non profit on the right.

The variance between for-profit subtypes: Corp, individual and LLC is minimal, with partnership sub-type nearly 1 point above the others. Similarly, there is also a minimal variance between non-profit sub types church related” and “other” while Corp is nearly 1 point higher.

Interestingly, the two government owned subtypes: City and County, had the biggest disparity. What created such a large gap between quality measures? One hypothesis could be the higher amount of fines the lower the qm rating, so a smaller data frame was created to show the ownership type and the amount of fines each had.

We then calculated correlation between the quality measure rating and the total amount of fines which came to -0.11; an extremely small negative correlation as the scatter plot shows. Normally, one would expect the amount of fines to decrease as the qm rating increases, but there are many outliers that do not follow the trend. The hypothesis could not be proven.