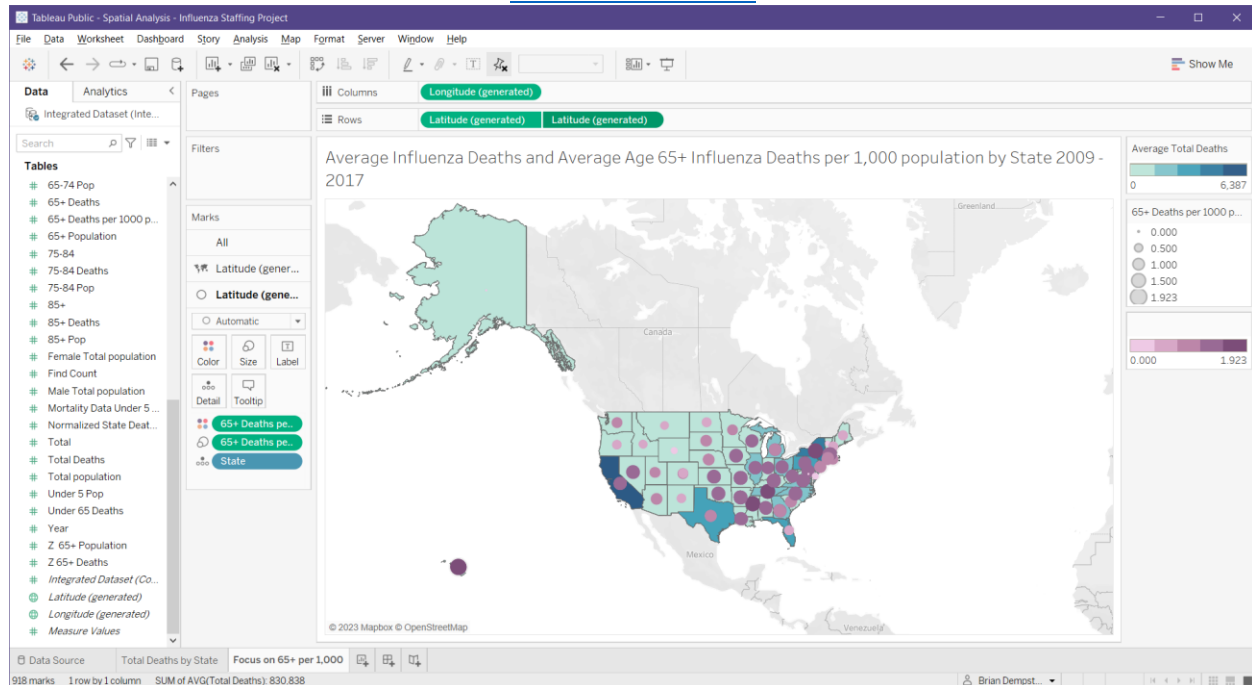


Spatial Visual Analysis for Influenza Staffing Project

Average Influenza Deaths and Average Age 65+ Influenza Deaths per 1,000 population by State 2009 – 2017:



Discussion:

The underlying map shows the average number of influenza-related deaths per state over the sample period. As expected, the states with larger populations, such as California, New York, Texas, and Florida, showed a larger number of total influenza-related deaths. More people would mean more deaths.

I chose to overlay the average number of deaths per 1,000 population for the age group of 65 and older. This shows that the at-risk population does not always follow the most populous state model. While California and New York still suffer larger numbers of deaths per 1,000, it appears that Hawaii has the greatest number of deaths per 1,000 for the at-risk group.

Further, it appears that there is a trend of greater numbers of deaths per 1,000 in the at-risk group concentrated east of the Mississippi River. The Mid-Atlantic and Southern regions of the U.S. show deaths per 1,000 in the at-risk population in stark contrast to the average total influenza-related deaths in those states.

The effects of time in our model are de minimis.