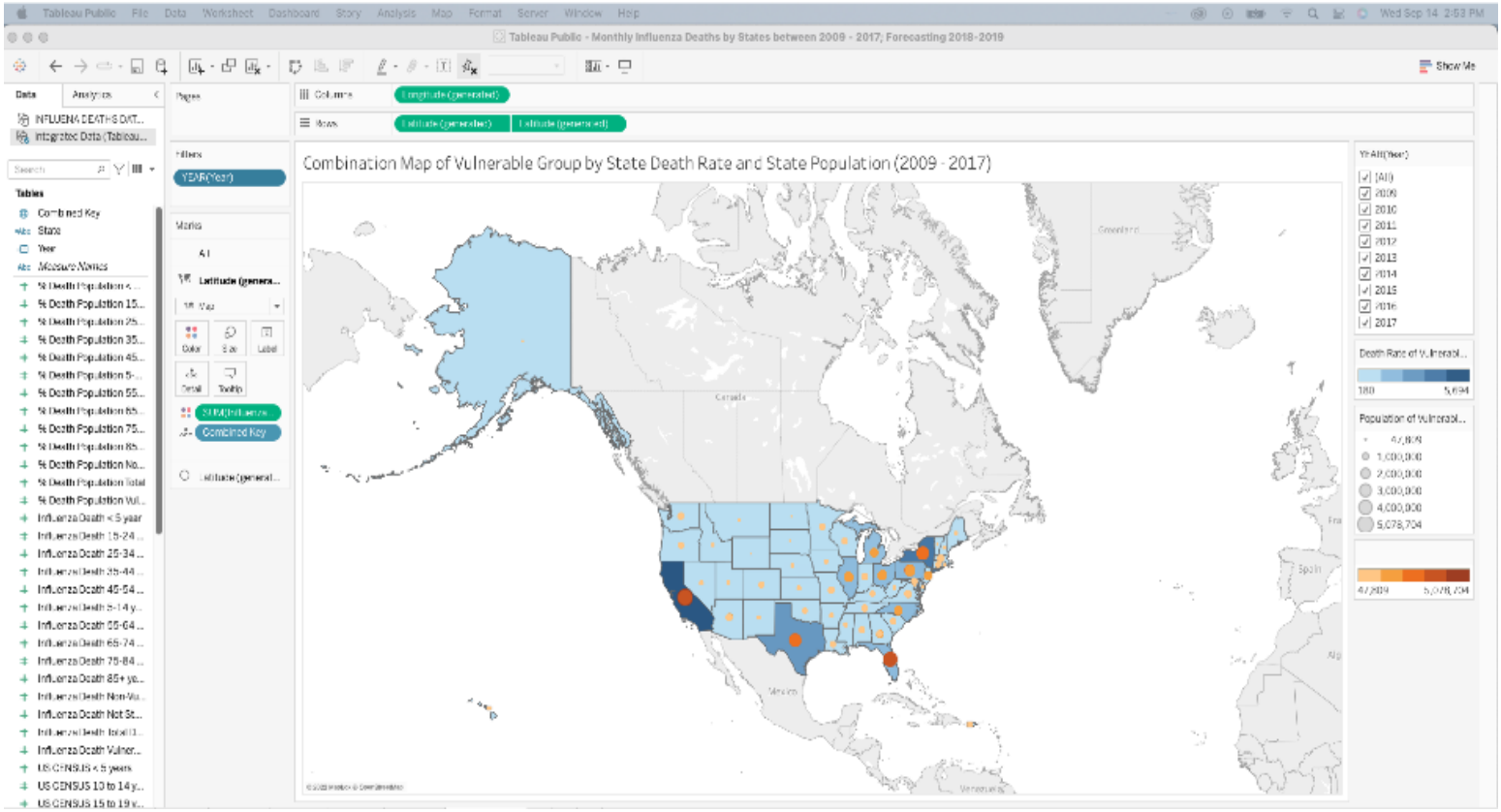
2.7 Spatial Analysis



1. **Checklist- Style Guide**

- Text
  - Are the title and text descriptive enough? (i.e., do you understand what the visualization is trying to convey just by looking at the title and text?)
    - Yes
  - Are there text labels?
    - yes
  - Does the text portray any redundant information that could be gotten rid of?
    - No
  - Do colors, shapes, and size scales come with legends?
    - Yes
- Color
  - What does the color scheme signify?
    - Blue: Darker = higher death rate of vulnerable population
    - Orange: Darker = Higher vulnerable population
  - Are there more than five colors?
    - No
  - Does the color scheme make sense? Are colors analogous, complementary, monochromatic, or intuitive?

        - Yes, I used Blue and Orange which are complementary colors
    - If color is used to draw attention to important information, is the darkest color representing the most important information?
        - Yes
    - Do the color schemes contribute to any bias in the viewer?
        - No
- Other
    - Are different sizes used? If so, is there meaning behind the sizes?
        - Yes, the bigger the circles means higher vulnerable population
    - Are there groupings in the data that can be portrayed through color, size, or position?
        - No groupings
    - Is there (enough) whitespace?
        - Yes
    - Is the visualization accessible?
        - Yes
    - Does the visualization teach you something?
        - This map tells me that the higher the vulnerable population, the higher the death rate is amongst the vulnerable population.

2. What states are the highest? The lowest? How does time impact those trends?

a. California, Texas, Florida, and New York have the highest vulnerable population and death rate.

b. The lowest population and death rates are the midwest and western regions. This could be due to colder weather and mountainous terrains.

c. Year over year, it seems the pattern has been consistent