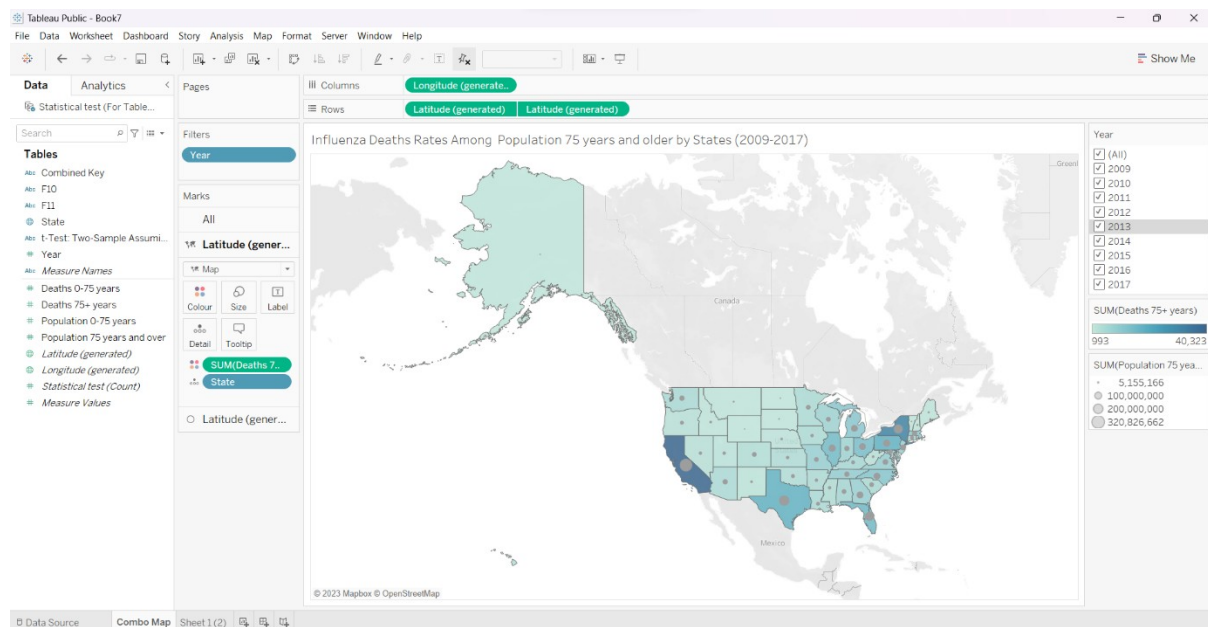


Task 2.7: Spatial Analysis

4.

The choropleth part of the map visualises states with highest influenza deaths age 75 years and over and states with lowest influenza deaths. It happens that most states with large population recorded highest influenza deaths of people aged 75 years and over. States like California recorded over 40,000 influenza deaths, New York recorded over 31,000, Texas recorded over 17,000, Florida over 15,000. Delaware, Alaska, North Dakota, Wyoming, Montana, South Dakota, Vermont all recorded lowest deaths below 1500.

The trends held true from 2009 to 2017 and it varies most in Tennessee, Virginia, Illinois. Elderly populations were most impacted.



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? No

Does the text portray any redundant information that could be gotten rid of? No

Do colors, shapes, and size scales come with legends? Yes. The color legends for deaths, size legends for population 75 years over.

Color

What does the color scheme signify? Dark blue means States with highest population

Are there more than five colors? No

Does the color scheme make sense? Are colors analogous, complementary, monochromatic, or intuitive? Complementary. The color scheme makes sense.

If color is used to draw attention to important information, is the darkest color representing the most important information? Yes. Dark blue means more deaths.

Other

Are different sizes used? If so, is there meaning behind the sizes? Yes. Size circle represents population 75 years over in those states.

Are there groupings in the data that can be portrayed through color, size, or position? No

Is there (enough) whitespace? Yes

Is the visualization accessible? Yes

Does the visualization teach you something? Yes. Visualization shows states with highest and lowest population of influenza deaths from aged 75 years and over. The colors indicate states that have highest influenza deaths and lowest deaths. The dots circles mean population of people 75 years and over in each state.

Does the text explain the important points such as overall findings (average)? Yes