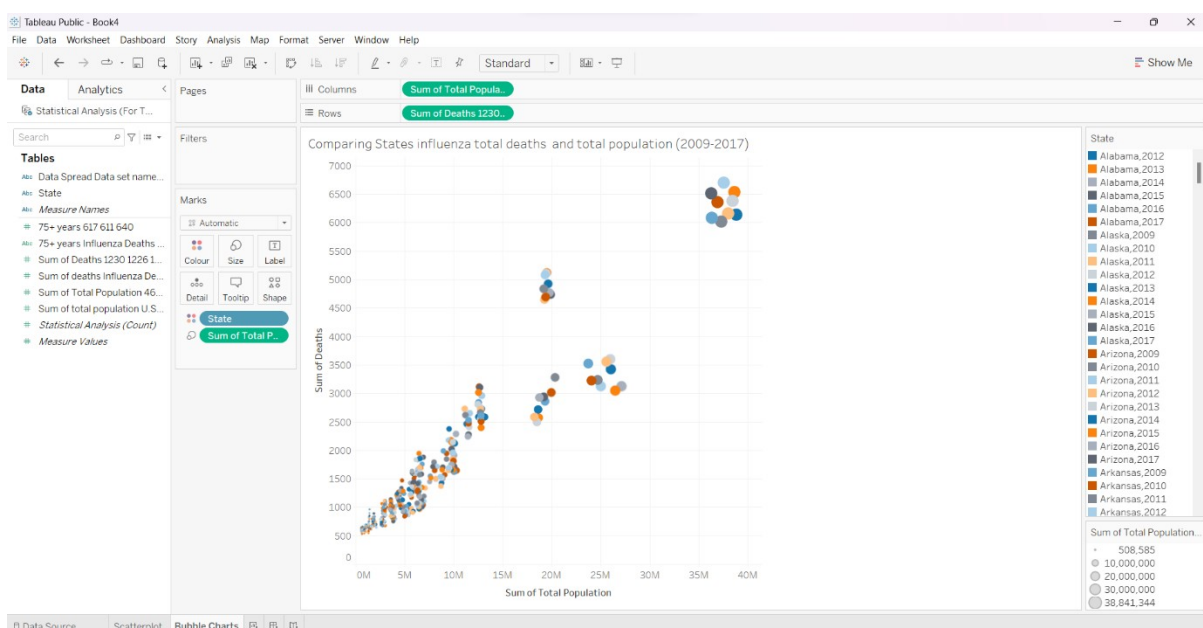
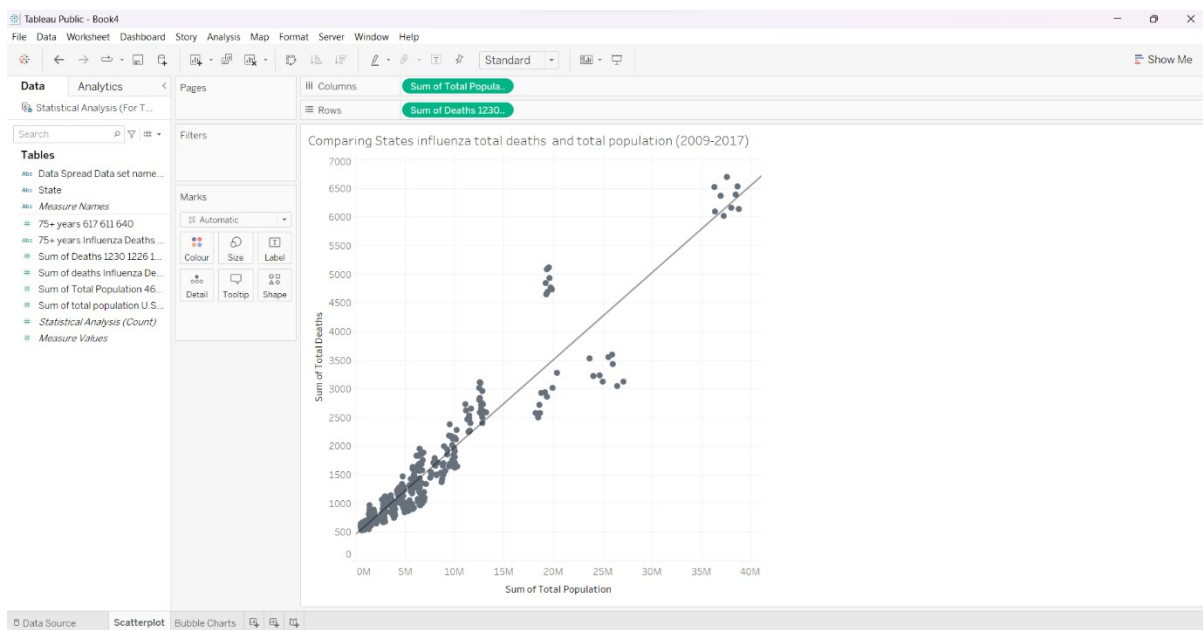


Task 2.6 Scatterplots & Bubble Charts

3. My correlation coefficient in exercise 1.8 statistical analysis is 0.95. Hypothesis “If the States have large population, then they would report more influenza deaths”. Tableau’s r-squared value = 0.910838, Correlation coefficient = 0.95. Tableau’s correlation coefficient 0.95 is the same as 1.8 statistical analysis.

4. There are few extreme outliers as we can see they are further away from the trend line, but the scatterplots demonstrate a very strong positive correlation, because it shows how the two variables increases. It is a strong relationship between the two variables.



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, for bubble charts

Color

What does the color scheme signify? Each Year

Are there more than five colors? Yes. 51 states variables in Bubble charts

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. I used dark color in scatterplots.

Other

Are different sizes used? If so, is there meaning behind the sizes? Yes. For each state corresponds to size of bubble.

Are there groupings in the data that can be portrayed through color, size, or position? yes

Is there (enough) whitespace? Yes

Is the visualization accessible? Yes

Does the visualization teach you something? Yes. Both visualizations taught me the larger the population of the States, the higher the influenza flu deaths.

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