PART 1 & 2: LINE CHART OF INFLUENZA DEATHS

Column (X-Axis): Year (2009-2017) **Rows (Y-Axis)**: Total Influenza Deaths (Not Just 65+/Vulnerable Population) **Filter**: State

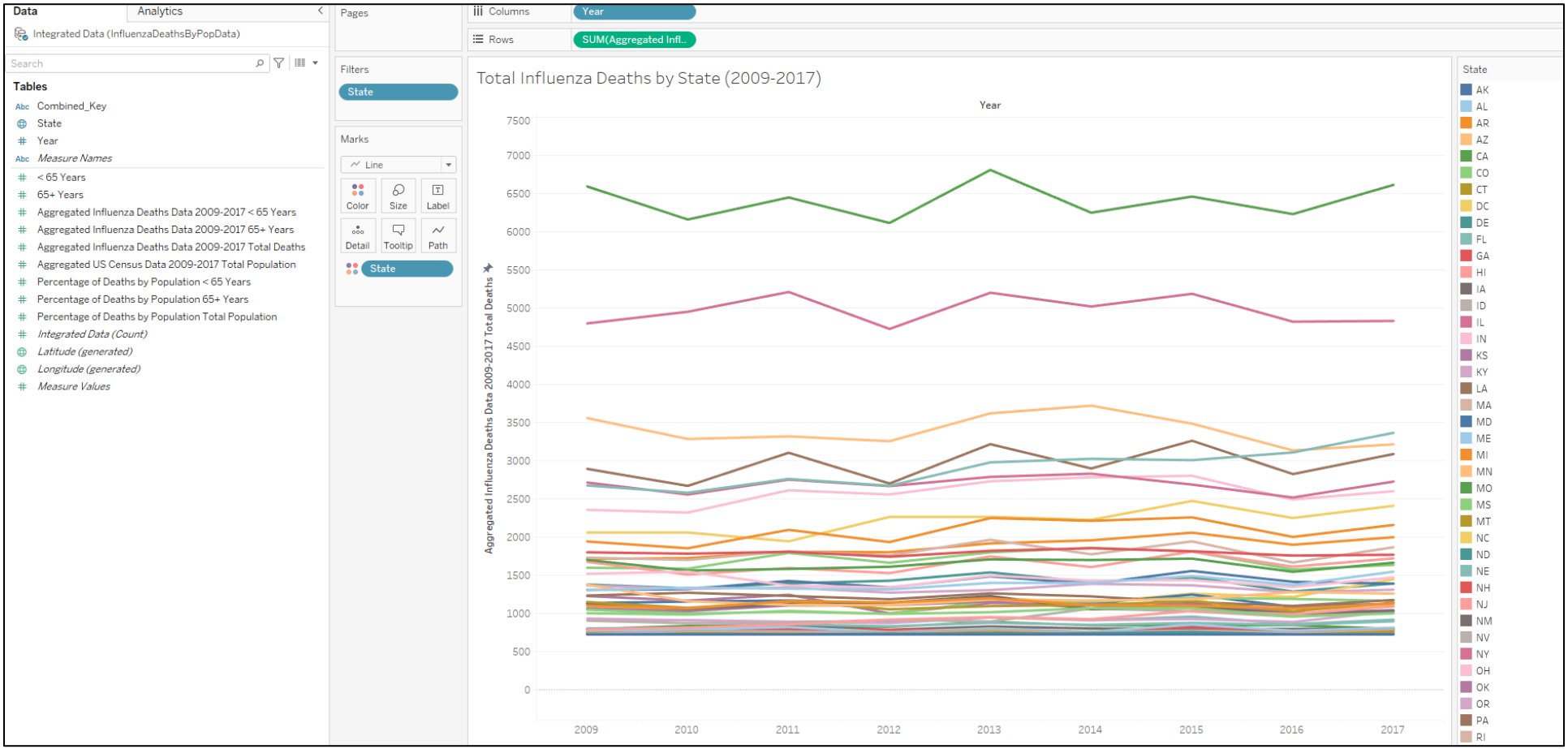

Tableau Public Link:

https://public.tableau.com/app/profile/mindy.duong/viz/DataImmersionTask2_4InitialLineChart/InfluenzaDeaths_LineChart?publish=yes

PART 3 & 4: FORECAST (SEASONALITY)

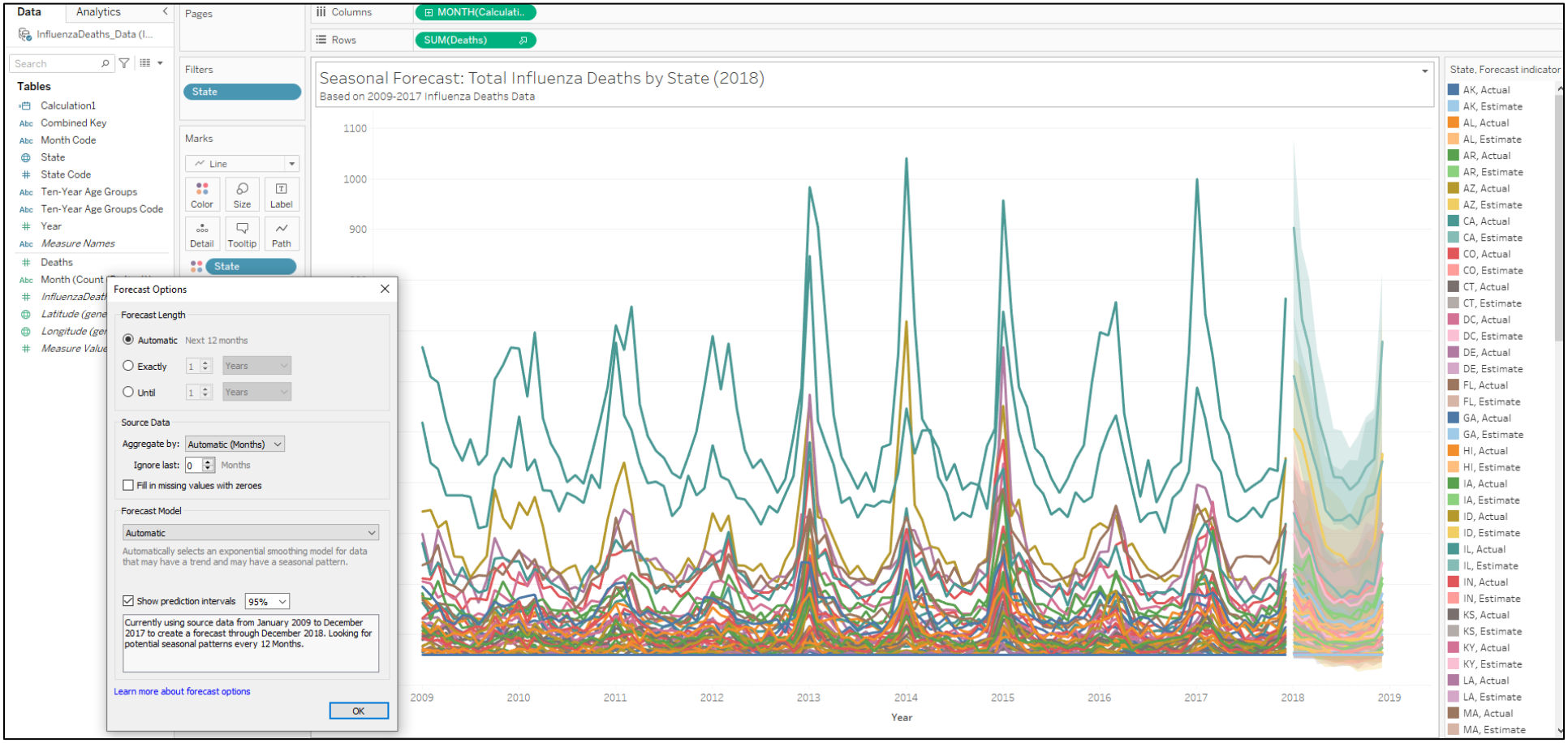

Tableau Public Link:

https://public.tableau.com/app/profile/mindy.duong/viz/DataImmersionTask2_4ForecastSeasonality-Month/SeasonalityByMonth?publish=yes

PART 3 & 4: FORECAST (NO SEASONALITY)

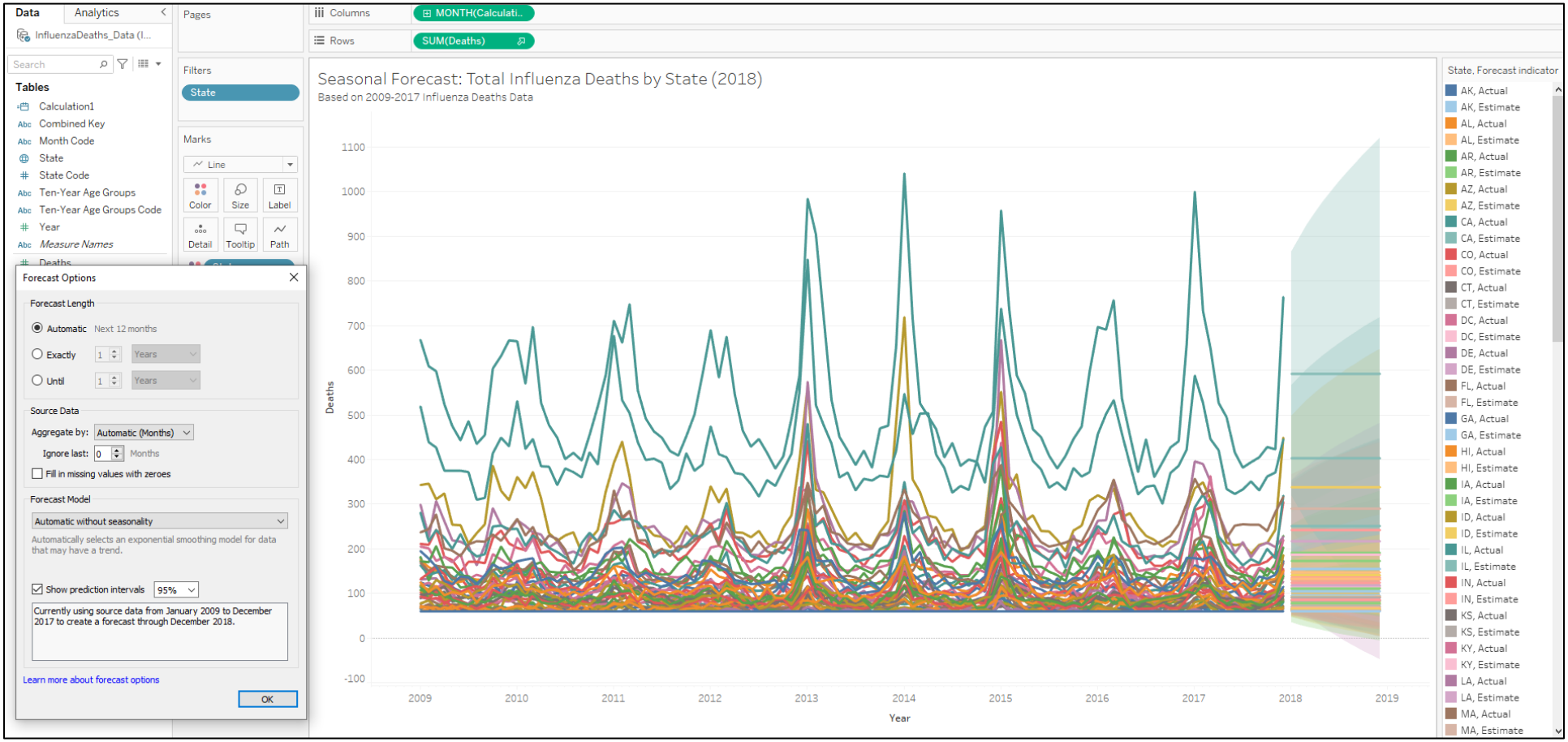

Tableau Public Link:

https://public.tableau.com/app/profile/mindy.duong/viz/DataImmersionTask2_4ForecastNoSeasonality-Month/NoSeasonalityByMonth?publish=yes

Part 5: Final Chart

For my final line chart, I decided to group the states by their respective regions. I thought it would be impactful to show both total deaths and those 65+ years and older to show that those in the latter group are indeed more vulnerable. I'll likely keep playing around with the grouping like trying top 5 or 10 states, but by region tells more of the story. For example, the West makes up a large portion of the population thanks for states like California, but even then, their influenza deaths are much lower than those in the Southern Region even with big states like Texas. This could be an insight into their socioeconomic status, access to the vaccine and/or education on vaccines, number of medical facilities, etc. With those nuances in mind, we can make a more well-informed decision.

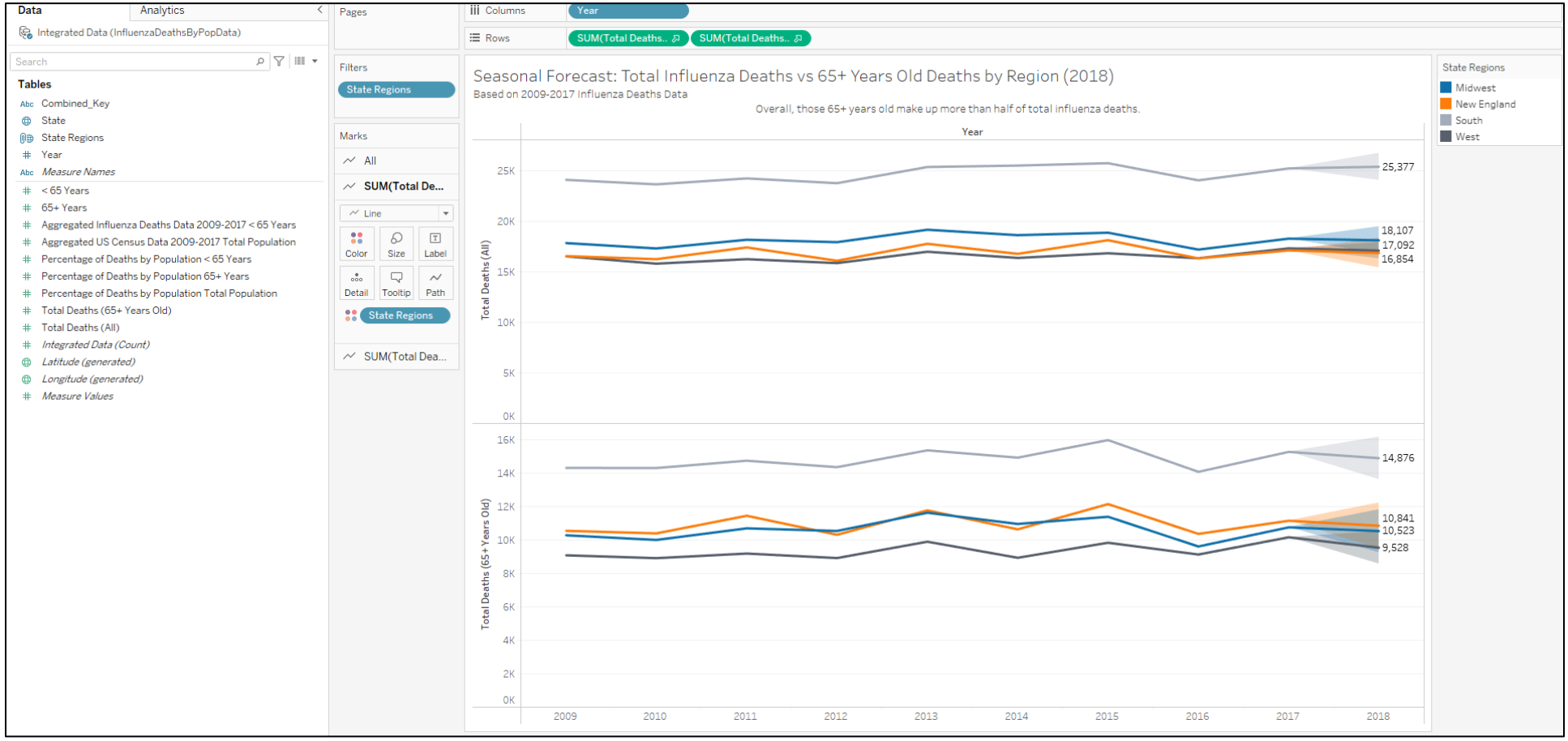

Tableau Public Link:

https://public.tableau.com/app/profile/mindy.duong/viz/DataImmersionTask2_4FinalLineChart/InfluenzaDeaths_LineChart_Final?publish=yes

Part 6: Checklist

Text	
Are the title and text descriptive enough?	Yes, there should be enough information, so the viewer knows what they're looking at.
Are there text labels?	Yes, there is a label for the 2018 (forecast) section of the line chart.
Does the text portray any redundant information that could be gotten rid of?	No, there's no redundant information.
Color	
What does the color scheme signify?	US regions.
Are there more than five colors?	The line chart itself only has four colors for the four US regions.
Does the color scheme make sense? Are colors analogous, complementary, monochromatic, or intuitive?	I guess? They're the default color palette for the "Color Blind" category.
If color is used to draw attention to important information, is the darkest color representing the most important information?	No, all the information presented are equally important.
Other	
Are different sizes used? If so, is there meaning behind the sizes?	No, all the lines are the same size.
Are there groupings in the data that can be portrayed through color, size, or position?	Yes, the US states are grouped by their respective regions. The regions are differentiated by color.
Is there (enough) whitespace?	Yes, there is enough whitespace.
Is the visualization accessible?	Yes, the visualization is color-blind friendly/accessible.
Does the visualization teach you something?	Yes, it shows that overall, those 65+ years and older account for more than half of the forecasted influenza deaths for 2018.
My Additional Questions from Last Task	
Is there a link to the source of the data for more information?	No, I didn't include a link on the visualization itself. If this were a report, I would add a footnote. I couldn't figure out how to add a footer, and I didn't want to clutter up the top, so I left it off for this task.
Is it interactive, and is the interaction beneficial or arbitrary?	Yes, you can hover or click on each line to focus on a respective region. I don't think it's necessarily beneficial or arbitrary since this is just the default interaction, plus there's not that much on the line chart itself; I don't think it's that hard to just focus on all four, but there is the option to just highlight one if the viewer would like to do so.
Does the visualization serve its purpose?	Yes, it's reinforcing the hypothesis that those 65+ years and older are indeed at a higher risk for influenza deaths.
Do the graph, chart, maps, and/or pictures add value to the visualization, or are they distracting?	No, I didn't add any additional pictures or maps this time, so there shouldn't be any distractions. I think it's impactful to see the two line charts next to one another for comparison.