2.2 Visual design basics and tableau

Name of visualization: What U.S. Counties Have The Oldest Populations?
Link:
https://public.tableau.com/app/profile/overflowds/viz/WHATU_S_COUNTIESHAVETHEOLDESTPOPULATIONS/WHATU_S_COUNTIESHAVETHEOLDESTPOPULATIONS

2. In a Word document, review the visualization using the visualization checklist provided in the Exercise.

- Remember to include in your review an assessment of the visualization's accessibility.
- Additionally, include a short paragraph explaining what you learned from the visualization.

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, the title is informative enough. The text is short and informative and complements the vulnerable population distribution map.

- Are there text labels? There are no text marks on this map. It might be useful to mark the year of this analysis, for example, "2018", but this is noted in the text "Data Notes".

- Does the text portray any redundant information that could be gotten rid of? The are no redundant information.
- Do colours, shapes, and size scales come with legends? There is a legend with two colours and the main age groups separately. Each group has a percentage legend and state names.

Colour

- What does the colour scheme signify? Colours for groups are different and have different shades - if the percentage is high, then the colour is darker- this is convenient for visual assessment. This does not interfere with the study of each group separately.

- Are there more than five colours? There are five colours for each group of age.

- Does the colour scheme make sense? Are colours analogous, complementary, monochromatic, or intuitive? The map has five analogous colours and a detailed description of the meaning of each shade. It also reads intuitively - light color indicates a smaller number of age groups.

- If colour is used to draw attention to important information, is the darkest colour representing the most important information? If the percentage is high, then the color is darker.

Other

- Are different sizes used? If so, is there meaning behind the sizes? There is no different size.
- Are there groupings in the data that can be portrayed through colour, size, or position? Two different age groups have two different analogous colours.

- Is there (enough) whitespace? (-)

- Is the visualization accessible? Visualization is readable.

- Does the visualization teach you something? Yes, maybe it will be useful when creating a visualization of my current project. For example, using colors to distinguish between different populations

From this visualization we see countries that have a high percentage of the most vulnerable populations that will be affected primarily by Covid 19.

3. After reviewing the visualization, explain how you'd improve 1–2 components the designer did poorly (e.g., colour choice, use of size, lack or overuse of labels, etc.).
Perhaps if we use monochrome colors on the map for each group, it would not be very easy to read, since some of the borders are very small and it would merge into a single spot, but it would also allow you to see the geography of the population where the percentage of the vulnerable population is the highest.
4. Add at least one additional point to your checklist based on the visualization. Was there anything about the visualization that should have been touched on but that wasn't covered by the checklist? Did conducting the review bring to light any other aspects of a visualization not included in the checklist? This altered checklist will become the style guide you'll be able to reference throughout the rest of this Achievement.
I like this type of visualization and I'm not sure what else we should add with this dataset.

5. Use Tableau to connect to your data. You'll be using the integrated data set you created in Achievement 1 as your primary data source. The data source will be an Excel connection.

Take a screenshot of Sheet 1 after connecting to the data and add it to your Word Document. Below it, include a list of which variables are dimensions and which are measures.

Your final Word document should include a link to the visualization you reviewed, your altered checklist (style guide), the screenshot of Sheet 1 in Tableau, and the list of dimensions and measures.

Dimension: State, Year

Measures: Census Population by Gender and Age Groups, Influenza Death by Age Groups,
Normalization: Influenza Deaths/Corresponding Population

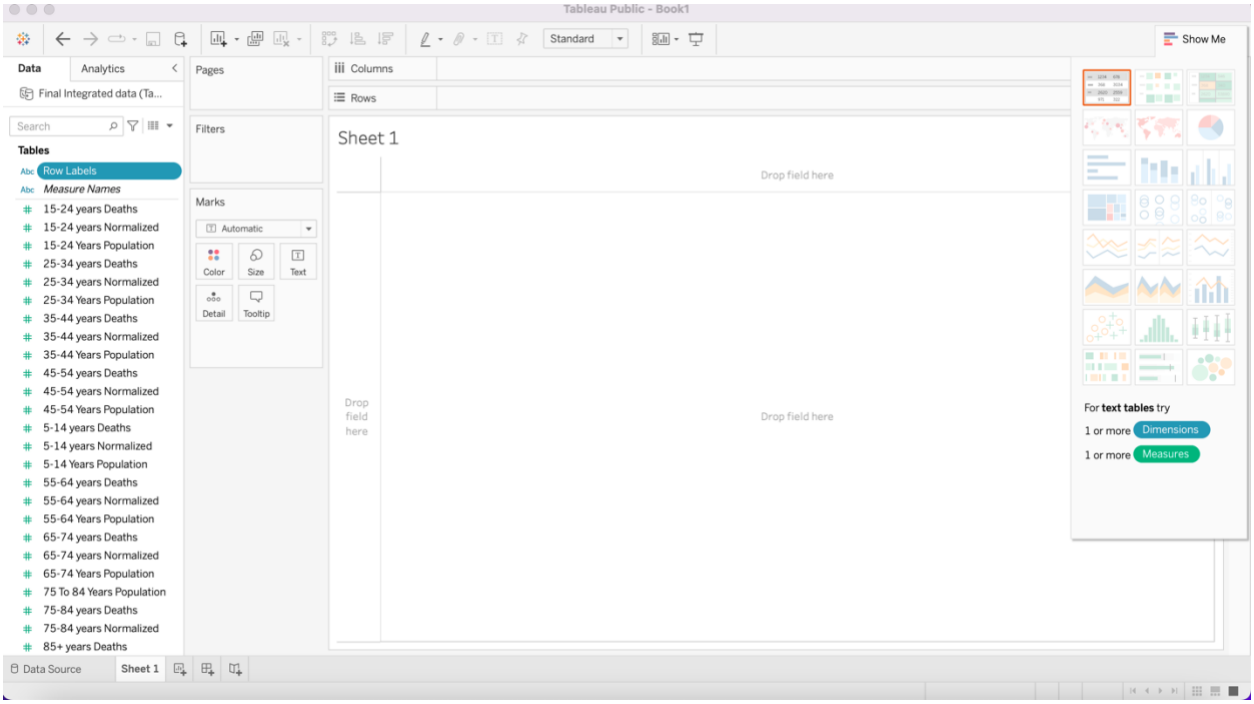
Tableau Public - Book1
Standard
Show Me
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Search
Tables
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Measure Names
15-24 years Deaths
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15-24 Years Population
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55-64 Years Population
65-74 years Deaths
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65-74 Years Population
75 To 84 Years Population
75-84 years Deaths
75-84 years Normalized
85+ years Deaths
Pages
Filters
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Color
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Text
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Tooltip
Columns
Rows
Sheet 1
Drop field here
Drop field here
Drop field here
For text tables try
1 or more Dimensions
1 or more Measures
Data Source
Sheet 1