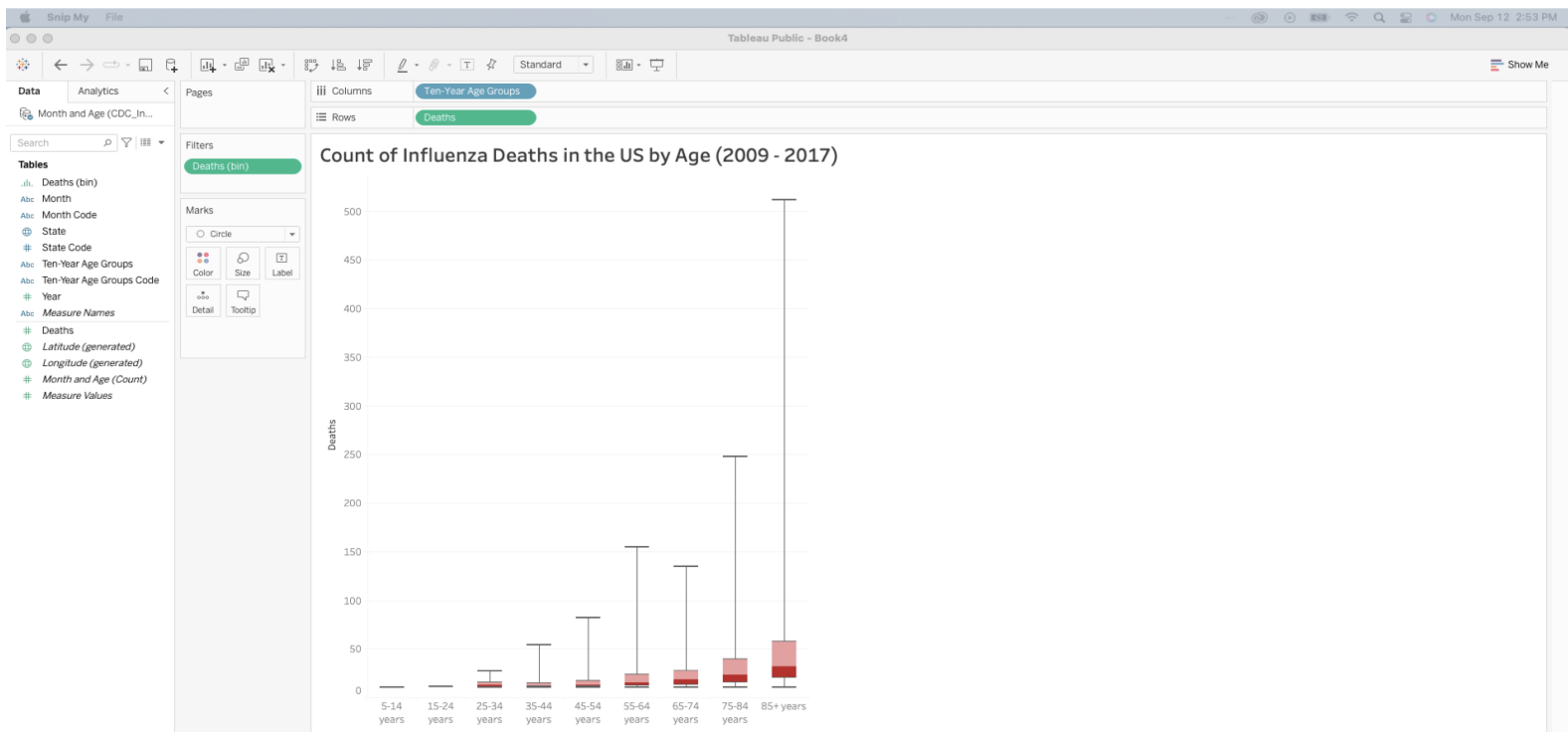
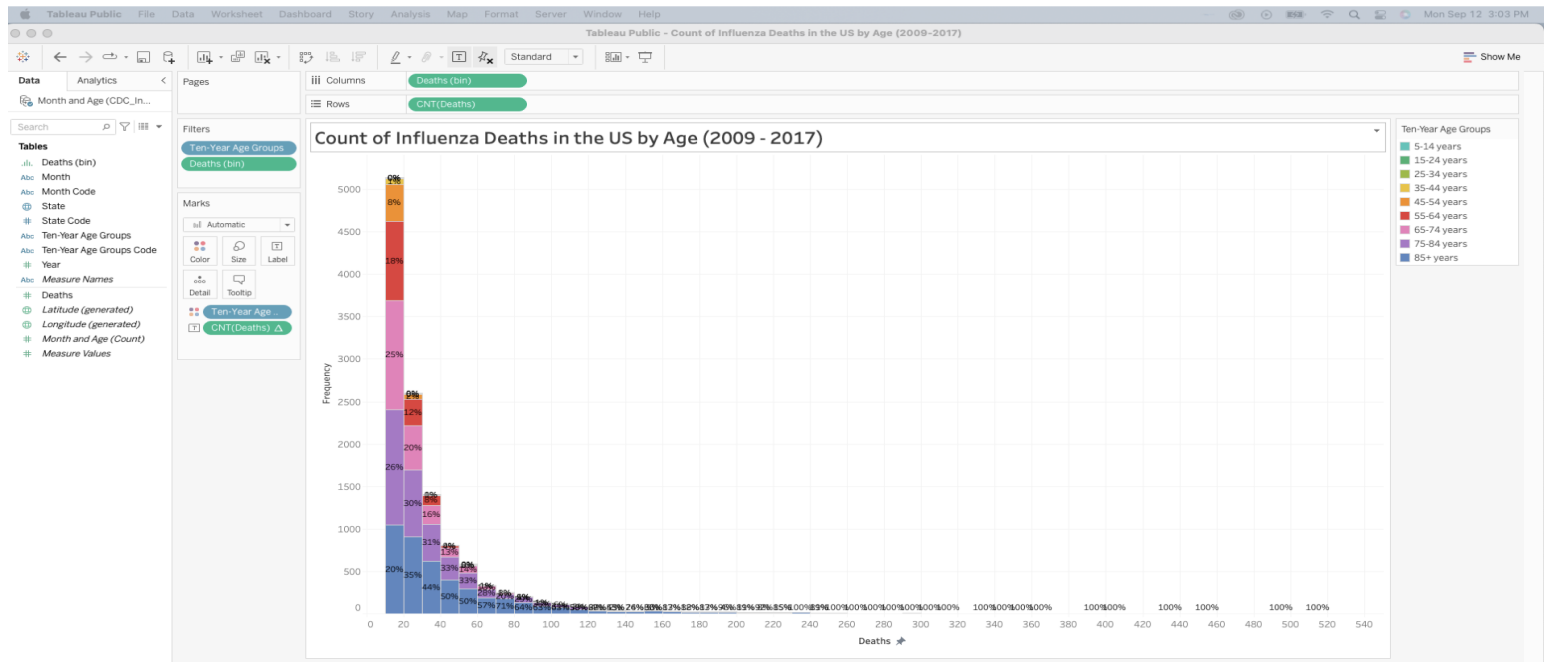


2.5 Histograms & Box Plots

1. Are young and old populations more vulnerable (because they have more deaths)?
 - a. The older population (65+) is more vulnerable and contributes to the most deaths. The younger vulnerable population (<5) does not have any recorded deaths
 - b. Yes, less < 5 doesn't have any recorded deaths



2. Explain what the box plot tells you that the histogram can't.
 - a. The box blot is helpful when comparing distributions across the different age groups when examining the spread and median of the data.

3. Update the visualization using the style guide checklist you created in Exercise 2.2

- 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, title is clear and descriptive
 - 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?
 - The colors signify death rate based on each age group
 - Are there more than five colors?
 - Yes
 - Does the color scheme make sense? Are colors analogous, complementary, monochromatic, or intuitive?
 - Yes
 - If color is used to draw attention to important information, is the darkest color representing the most important information?
 - Yes, the dark blue represents 85+ age group
 - 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?
 - No
 - Are there groupings in the data that can be portrayed through color, size, or position?
 - No, the goal is to understand each age group death count, so grouping would not give enough detail for staffing needs
 - Is there (enough) whitespace?
 - yes
 - Is the visualization accessible?
 - Yes
 - Does this visualization teach you something?
 - Yes, we can interpret some key findings from this visual as the higher the age group, the higher the number of deaths.