Statistical Visualizations for Influenza Staffing Project

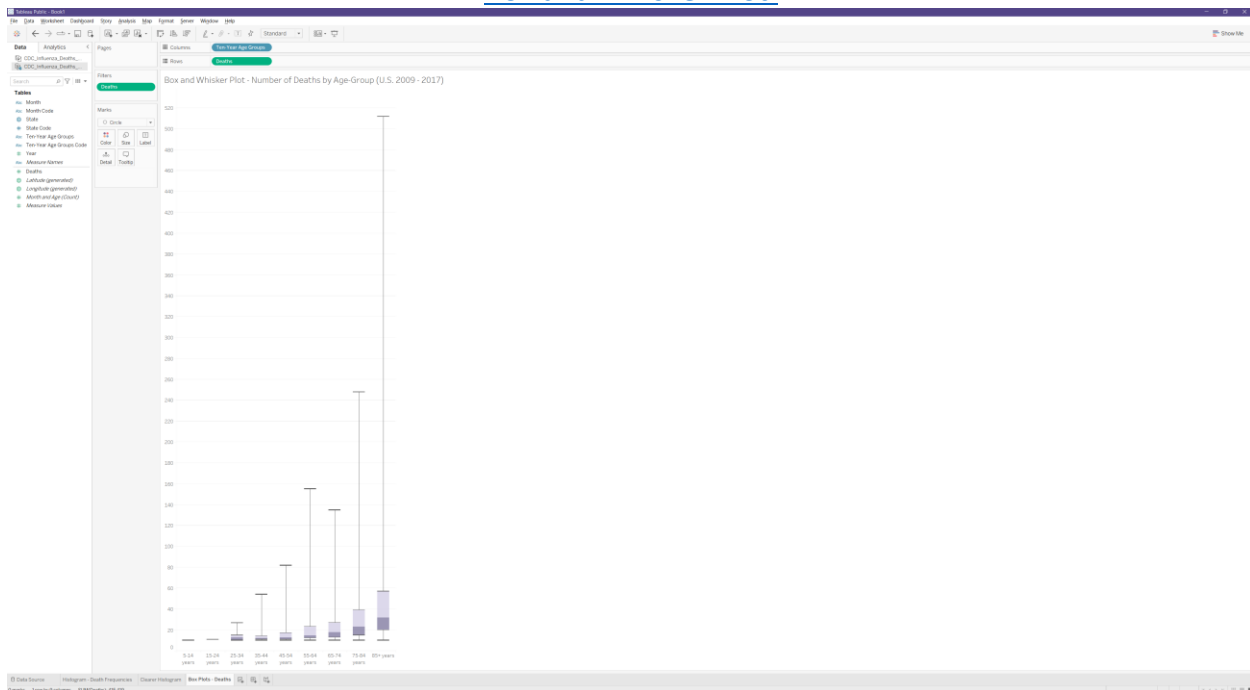### Histogram of Frequencies of Influenza-related Deaths by Age Group:

Histogram of Frequencies of Influenza-related Deaths by Age Group (Clearer):

Discussion of Histograms:

The default histogram in Tableau was not very helpful for answering the questions posed in the exercise. There were many bins and the default size of each bin was 23. Also, we are displaying how many times the number of deaths reported fell within a range. Most reported numbers were between 10 and 23 (over 6,000 individual reports).

To make the histogram clearer, I increased the bin size to something more easily understandable: 50. This also reduced the number of bins. I also converted the view to a percentage of the total of each bin. This clearly shows that the only age groups with individual reports of greater than 200 deaths are people 75-84 years old and 85 years and above. The number of reports in those bins is smaller, but each report represents a larger number of deaths.

Box and Whisker Plot:

Discussion of Box and Whisker Plot:

The box and whisker plot shows more statistical information quickly. It is easy to see that the median tends to be toward the bottom of the box in each case. That indicates that there are more individual reports of lower numbers than higher numbers. The longer top whisker indicates that the larger reported numbers have increasing significance that appears to correlate with age.