

For Part B, I decided to use a stacked bar chart to visualize deaths. I used the x axis to count deaths, because it is easier for the viewer to label the y axis with (month, year) than to write them vertically on the x axis. I decided to count the infectious disease deaths starting from the y axis, and then append additional deaths on top of them, rather than stack them over each other. I chose to do this because the highlight of the visualization is supposed to be the amount of infectious disease deaths. My choice shows the other deaths relative to infectious disease, not relative to their other data points, which I believe is the point of Nightingale's original visualization, and so it does not undermine her cause. In this way, it preserves the ratio relationship between causes of death.

The reason I decided to use a bar chart is because comparing things by length has a smaller Lie Factor and is ranked higher on the scales chart than comparing things by area. I think that my graph improves upon Florence's in this way. Additionally, it improves upon her visualization because it displays consistency between the years.