

My intention was to create a stacked bar graph to show Nightingale's data, with each of the values (disease deaths, wounded deaths, and other deaths) shown on the same bar graph. I think it's easiest to see how the deaths from disease have changed since they are at the bottom of the bar graph and it's easy to see the trend in that way. The ordinal relationships between the causes of death are shown in a sort of similar fashion to the rose chart, except they are more distinctive in the stacked bar graph since each value is visualized individually rather than on top of each other like the wedges.

I think the ratio relationships between them is also shown effectively, since the sizes of the bars can be differentiated with a stacked bar chart. However, I think the coxcomb shows how these changed over time more effectively because the rose chart significantly decreases in size as the number of deaths decrease, as well as the relationships between each of the color wedges. In a stacked bar graph, I think observers are more drawn to either the biggest bars or the bottom bars rather than looking at the relationship between the different colored bars.

I think it doesn't undermine her cause and is probably just as effective as her visualization. The bars show the intensity of the issue at the time, and also show the decrease in deaths once the sanitation workers visit, which proves her point that cleanliness would lower the rates at which soldiers died, emphasizing the importance of having a clean environment for the soldiers.