Amelia Racky, MSER 521

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<div align="center">Data Visualization Redesign</div>

[Washington Post- Domestic Terror Incident Visualization](#)



[Link to redesigned Tableau visualizations](#)

I redesigned this data in three different ways. The main changes I made to provide a better data visualization were proper labels and a color change. The most frustrating part of interpreting this data for me was the lack of labels on the x and y axis. Rather than the y-axis only including points 0, 50, and 100, I chose to have my graph's axis increase in increments of 20. This allows for better understanding of event amounts without too much ink clutter. Additionally, I chose to include additional year labels on the x-axis for easier interpretation. Next, I chose more appropriate colors to differentiate between the three labels. The three colors contrast each other to ensure there is no confusion interpreting between groups. A strong contrast also eliminates any interpretation biases that might come from highlighting one single group. My final change to this visualization was eliminating the data for 2021. This article was written in April of 2021, so unlike the other bars, it does not represent a full year of data. In order to maintain proper interpretation of the visualization, the year 2021 is not included in my revisualizations.

The first visualization I made was a stacked bar graph. I found this useful to easily differentiate the amounts of different domestic terrorist acts per year. The viewer is able to understand which group committed the most terror events and it allows a quick comparison to other groups and years. A limitation to this visualization would be the difficulty in identifying

the amount of events per group from merely reading the y-axis. The reader must use some level of deciphering because the data is stacked. Next, I made a line graph displaying the same data as the first. I thought the line graph made for a better tool for comparison and fluctuations over time. I also included labels for the first and last data points of each group for an easier understanding. Line charts are typically used to show continuous data, so in this case, it is not the most effective display, but is still interesting to consider. Finally, I made a mixed bar and line graph to compare incidents per year by the far-right and the far-left. I thought this comparison of the two groups easily makes the point that one group has far greater domestic terror incidents than the other. I feel that the different shapes help to better visualize this comparison between groups.

Although I find all three visuals effective in their own ways, I would recommend the stacked bar graph as the best way to present the data. I find that it gives the best overview of total incidents per year from group to group. Not only is it clear that the far-right had more incidents of domestic terrorism in the past 27 years, but it also shows the years where this isn't true. It is not partial to one group and it effectively highlights the recent spike in domestic terrorist events.