CSE 5544 – Final Team Project Individual Reflection

Project Status:

Overall, I believe the project was successful based on the feedback we received. We were able to convey our intentions and findings through our plots and visualizations. We were also able to complete all the tasks that we promised in the project proposal in time for final release. During the demo, we were able to present the complete project without any issues.

Additional questions that we could have asked TA during design phase:

I wish we had sought more advice on how to develop better visualizations from our teacher or TAs throughout the project's design process. Although we have a fundamental understanding of data visualization concepts, we may have benefited from more in-depth feedback on how to make charts that accurately and effectively convey the data. For example, if we have had the conversation of what charts that we plan to use in design phase, we would have used a donut chart instead of Pie chart for body parts that are affected. Similarly, we could have discussed about the plot layout to use the screen space effectively.

Team Contributions:

Everyone from our team made valuable and equal contributions to our project. Sowbaranika was responsible for collecting, organizing the data, and preprocessing it, and she also created several initial charts that we used to gain more information about the data. Rahul was responsible for designing the entire human anatomy heat map plot, and he also created some of the more complex visualizations. I was responsible for analyzing the data, identifying trends, and creating visualizations in tableau. If I had to split credit for contributions among team members, I would say that each member contributed equally, with each person responsible for approximately one-third of the project.

Team Functioning:

I believe our squad performed well overall. We were able to divide the job up in a way that suited each of our skills and had great communication. We did work well together, but I believe we could have done even better if we had defined roles and responsibilities earlier on in the project. Additionally, I believe that regular updates and check-ins would have helped us to make sure that everyone was on the same page.

Project Learnings:

I learned a lot about the value of effective data visualization from this assignment. I discovered that merely displaying data in a chart or graph is insufficient; the visualizations must be carefully crafted to faithfully represent the data and provide an engaging narrative. I also discovered that working on a team project requires good communication. To make sure that everyone is working toward the same goals, it is crucial to set clear expectations and communicate often. Overall, I feel that this project was a worthwhile learning experience and that I have acquired skills that will be useful to me in the future.