Feedback - Group L - Covid-19 Vaccine Adverse Effects

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General Comments.

- Overall, this project seems feasible and super interesting.
- You have many of the elements that are required in the syllabus. However, remember you must have some interactive visualizations. I encourage you to start thinking about which visualization could have that feature, and why.
- One potential problem I foresee is a super-small number of adverse reactions. This could make several graphs look bumpy, or show large relative differences that correspond to small magnitudes. I encourage you to check this out before deciding which questions you choose. You can always implement very broad categories like man/woman, west/mid-west/south/north-east, etc to handle this problem.

Specific Comments

- The Tigris package may have some useful US polygons in case you need them.
- I'm not sure whether the relationship between pre-existing conditions and adverse reactions is text analysis.
- Since the survey is self-reported, it can be always interesting to describe who are the respondents and how do they compare to the general population. This could help to give some context to your data and the patterns you find.
- "What are the most commonly mentioned feelings for those who suffer Covid-19 vaccine side effects?" For this part you can always try some sentiment analysis, for example, using the NRC Word-Emotion Association Lexicon that was proposed in part 3 of Homework 3.
- "How professional are the symptom descriptions in terms of word choices, concreteness, etc.?" I'm not sure how feasible is this.
- One problem with the so-called adverse reactions is that people may associate health problems with the vaccine that would have happened anyway. Have you thought about a way of dealing with this situation?
- How are you thinking to use Shiny? One way to check Shiny's capabilities is through visiting the website of the Shiny contest awards here. It may be more advanced than what is expected for the course, but it can be helpful to gauge what are possibilities and get the code.