What Do Immigrants Do in the US?

The members of the team include Shivali Chandra and Casey Alvarado.

We will explore how immigrants adapt to living in the United States. This would explore the jobs they take, their educational patterns, and the social perception of immigrants varying by cities across the United States. Our project will work in conjunction with the project Filippos, Nur, and James are creating. They are going to explore how the United States responds to immigrants and we are going to explore how immigrants adapt to living in key cities in the United States. For our MVP, our part would explore the jobs immigrants accept and their education patterns. For our stretch goal, our part would explore social perception of immigrants. We were thinking about quantifying social perception by looking at newspaper clippings, analyzing the sentiment and frequently mentioned topics, and looking at other media sources. Additionally, an extra stretch goal would be looking at the bias in these media clips. Together, with the other group, we were thinking about a visualization that describes immigration patterns in the United States and shows the full picture of immigration stories.

We are still in the process of exploring specific databases we will use. The databases we will use will become more concrete as we narrow down the factors we will be exploring. Some starting points are databases containing basic immigration data over a period of time (to be determined) from breakdowns of immigration by country, where in the US they settle, and what their citizenship status is, all of which can be found on the Department of Homeland Security website. For specific factors such as employment, education, and income of immigrant groups, we will most likely be using datasets from the Bureau of Labor Statistics and the US Census Bureau. If we decide to go in more depth, we can also look at individual state census websites as well.

We would definitely like our visualizations to be interactive, so a major skill for our team will be improving/learning D3. In more general terms, we would also like to improve our knowledge and skills in effectively mining and cleaning data.

Rough Timeline:
- Week 1 - Do research and decide which datasets to use and which factors to look at, determine immigrant groups we will be looking at
- Week 2 - Data exploration
- Week 3 - Start creating visualizations
- Week 4 - MVP done
- Week 5 - Fully integrate both teams' work into one blog or website
- Week 6 - Polish visualizations and try to reach stretch goals

We are pretty confident that we will not have problems finding enough data to give this project a satisfying amount of complexity and depth, but because there is so much data potentially available, it may be difficult for us to ascertain what to focus on and what to exclude. Being able

to do this successfully has a strong impact on our timeline and when we can accomplish our MVP.

YOGA Goals:

Kiki - This project is well aligned with my YOGA goals, because I placed a heavy emphasis on working on a project that is socially impactful, deals heavily with data visualization, and has the potential for a significant amount of documentation. I have a personal tie to this project due to the nature of the topic, and we are going to be analyzing and depicting how immigrants fare in the US, which is a really controversial field right now. In order to create a conversation around the topic, we will be focusing most on the visualizations that we create and the article or blog we write to go along with them.

Casey - My three goals included wanting to answer a research question, interactive visualizations, and better documentation. This project well aligns with my goals because we are going to find data to answer the question of how immigrants live in the United States, how they survive, and how well they do. What draws them, how does their immigration status affect their employment and their education? I also really like that the other team is doing the converse of our team. Together we will be showing a full narrative on immigration in the United States. I am really excited about this because I am really interested in education, immigration, social economics, and media. Additionally, I am excited that this team is also interested in having an interactive visualization. The documentation will come by keeping up with our website and taking time to write meaningful comments. This will be implemented later when we actually start exploring data.