Question 1: What have we worked on?

Mingxin Li:
- I analyzed the mean income of households, their monthly housing-related expenditures in relation to the type of housing (between owner- occupied and renter-occupied), and visualized the data along with a textual analysis.

Revathi Vipinachandran:
- As part of my work, I created pyramid charts to visualize the correlation between age and sex in US Census Data for specific locations. Additionally, I conducted an analysis to determine the relationship between sex and poverty across various regions.

Chengjie Gu:
- This week, from the data source, I cleaned the data for income (SW_mean_income) and then split the CSV into 3 separate files, then, for each CSV, using python to visualize the most attainable and apparent pattern of correlation between income and race, number of employees per households, and the mean income differed by census tracts.

Jonas Raedler (Team Lead):
- In the last few days, team 2 has been working on deliverable 1. We have all tried to produce at least two visualization that gives us a better insight into the census data (relating to the demographics variable, specifically).
- I have looked closer at the race variable and have created visualizations about the distribution of races per tract, the poverty status per tract, what portion different races make up in the below-poverty population per tract, and how many people of a given race are below poverty level per tract

Question 2: What will we be working on next?

Mingxin Li:
- I will discuss with my teammates to try to determine the composition structure of the dashnoard and try to determine the specific direction of the analysis.

Revathi Vipinachandran:
- I will investigate whether age is a factor that contributes to poverty, and also explore other factors influencing poverty levels.

Chengjie Gu:
- For the next session, I would dig deeper into the income data and try to find more correlations and to give more visualization patterns, and even predictions for the

pattern of income branch, and try to relate my findings with those of my teammates' for a better understanding.

Jonas Raedler (Team Lead):
- Next, our team will look more into the Economic Vitality variable specified in the project description, so that we will all get a better insight into data relating to that topic
- We will have a team meeting sometime after spring break and distribute subtopics that we can individually inspect and try to find interesting interpretations of the data relating to the goal of the client

Question 3: Have we run into any issues? Do we need help?

Mingxin Li:
- There is no issue.

Revathi Vipinachandran:
- Although I haven't encountered any difficulties so far, it would be beneficial to have a more organized and specific problem statement.

Chengjie Gu:
- The most challenging part was the missing data, and the transformation of the data type from the original one into the solvable ones (from 'object' into 'float64). Also, the originally downloaded files aren't well-organized for analyzing, so it took me a while to split the tables and rename the indexes so that in later uses it would be much quicker to handle with.

Jonas Raedler (Team Lead):
- Not particularly. I think the next few steps are pretty clear.

Question 4: Team Lead: Have I talked to the client recently? When are we meeting with them next?

We had a meeting with the client today and we cleared up what variable to focus on next. Until we get some of the private data about public safety (relating to gun violence), we will focus on the topic of economic vitality.

We also cleared up some confusions about the actual goal of the data dashboard - the client would like to find a story in the data that allows her to convince businesses/funders to invest in getting rid of the violence present in the Southwest district (and to build a stronger workforce there, which would tackle the poverty issue).

The client's ultimate goal is to reconnect the middle class and the lower income community (which is how it previously was). In order for that to happen, however, the gun violence issue needs to be dealt with, as this is never going to happen if people feel unsafe walking down the road.

We are meeting the client next in two weeks, the 15th of March.