Welcome to the local portion of the hackathon!

In addition to global data on water quality and access, you also have the option of working on a local dataset that includes census-tract-level data on inadequate plumbing and a variety of individual and household measurements. The single dataset is available as a .csv file on our github site (https://github.com/MuckRock/FOIAFest-Hackathon-2019), or directly here (https://github.com/MuckRock/FOIAFest-Hackathon-2019/blob/master/data/SocialDeterminants_WestMichigan_2017.csv).

The spreadsheet includes census-tract level data on the number and percentage of households in West Michigan with inadequate plumbing, as well as census-tract data on:

- The number and percent of individuals below 150% of the poverty level
- The number and percent of unemployed civilians
- The number and percent of households with inadequate kitchen facilities
- The number and percent of households with more than one person per room
- The number and percent of households without a vehicle
- The life expectancy in each census tract within the city of Grand Rapids.

Note that margins of error can get quite large at the census-tract level, and some datapoints include a color-coding system to identify the reliability of the numbers – something you may want to consider as you make decisions on how to analyze the data.