

Mini Group Assignment

For this week's group assignment, meet with your group members and submit a status report as a markdown file in your group repo. This will simply be graded as a "done" or "not done" and count towards your participation grade.

Instructions

Include the following sections:

- Project title and link to proposal
 - [Cooling Resources in LA](#)
- Roles: Give each team member a title, and define what role each team member will play, and how each person plans to contribute to the project. While this may be subject to change, it is a good idea to define this early in the project to clarify "who is doing what."
 - Mia -
 - Data: Racial profile ; cooling centers
 - Project Role: Data exploration Coding/filtering data, Merging data
 - Zixuan
 - Data : Rent, Income ;
 - Project Role: Data exploration, template/color scheme for presentation
 - Cailyn
 - Data: Tree data, education ;
 - Project Role: Data exploration, Group Repo manager, Powerpoint presentation design
 - Sienna
 - Data: Age profile (w3), FEMA or EJ screening
 - Project Role: Data exploration, research / context (prior literature)
- Status update: Report on the general mood of the team, and provide details as to what is working, and what is not.
 - Appreciate the feedback provided by Chris. Group communication and delegation has been clear among team members. Excited to start piecing together a cohesive story regarding extreme heat and solutions that could be proposed. Group members are still gaining comfortability with coding, specifically sorting through data and missing values.
- Data update: Provide a short narrative on where you are with the data sources you will incorporate in your project. Provide links as necessary.
 - Cailyn

- Street Tree Data
:https://geohub.lacity.org/datasets/266c6255b1fc4ae8b8f100d8696e1fa4_0
- Sienna
 - Vulnerability (EJ Screening or FEMA Index)
 - FEMA's National Risk Index map and Data Download to download various climate-related social vulnerability data:
<https://hazards.fema.gov/nri/>
 - The EPA's EJScreening Tool has interest variables by census tract too related to health and race/ethnicity:
<https://www.epa.gov/ejscreen/download-ejscreen-data>
- Mia
 - Cooling centers in LA County GIS data
<https://geohub.lacity.org/maps/lahub::cooling-and-warming-centers/explore>
- Zixuan
 - Selected Housing characteristics with year structure built, rental vacancy rates, rent, and gross rent as percentage of income (filter by all tracts within Los Angeles County):
<https://data.census.gov/table/ACSSDP1YCD1192023.DP04?q=DP04:%20Selected%20Housing%20Characteristics>
- Concerns: There should be a lot to be concerned about at this phase of the project. List those concerns and classify them as "Major concerns" and/or "Minor concerns."
 - Major - determine ways to merge the datasets
 - Major - determine which dependent variable to explore (tree cover, cooling centers, or other vulnerability index indicators)
 - Minor - determine which independent variables to explore (race, income, rent, education, etc.)
 - Minor - determine which maps and charts to produce
- 3 Maps
 - Map 1 - location of cooling resources or vulnerability index for extreme heat
 - Map 2 - Census data + proximity to cooling centers
 - Map 3 - Census data + tree canopy coverage
- 2 Charts
 - Chart 1 - Top 10 Census tracts with highest vulnerability to extreme heat
 - Chart 2 - Top 10 Census tracts with highest count of cooling centers / tree coverage
 - Chart 3 - Top 10 Census tracts with lowest count of cooling centers / tree coverage

- Chart 4 - Highest income census tracts vs lowest income census tracts