

## **Final Project Plan**

**SEIS 632-02 | Spring 2025**

**Group 1 Members: Abanoub Lamie, Jason Shapiro, Kimberly Atta-Peters, Kohl Johnson Sparrman, Laurel Thompson**

### **Topic:**

Studying the socioeconomic factors of an area is important to understand the complexities and interconnectedness of such factors and how they impact the community. By identifying disparities within and between populations, we can promote equity and better serve populations through policy and programmatic offerings. Our group will look at a variety of socioeconomic factors in the state of California from 2006 to 2010, including unemployment, income inequality, housing cost burden, food affordability, and live births. Together these five factors are indicators of economic stability and social well-being, and by understanding them we will have a better understanding of the community and what we can do to serve them.

### **Data Sources:**

We found our data through the California Health and Human Services Open Data Portal: <https://data.chhs.ca.gov/>

Unemployment data: <https://data.chhs.ca.gov/dataset/unemployment-2004-2013>

Income Inequality data: <https://data.chhs.ca.gov/dataset/income-inequality>

Housing Cost Burden data: <https://data.chhs.ca.gov/dataset/housing-cost-burden-2006-2010>

Food Affordability data: <https://data.chhs.ca.gov/dataset/food-affordability-2006-2010>

Live Births data: <https://data.chhs.ca.gov/dataset/test-cdph-statewide-live-birth-profiles>

### **Roles and Responsibilities:**

- Story Leads: Kohl Johnson Sparman, Laurel Thompson  
Story Leads will plan out the order and facilitate the presentation ensuring that that there is a cohesive storyline connecting the individual parts.

- Modeling Leads: Jason Shapiro  
Modeling Leads will diagram our data model and serve as the lead data connector, ensuring our data sources have the appropriate relationships.
- Design Leads: Kimberly Atta-Peters, Abanoub Lamie  
Design Leads will ensure that our presentation visuals use cohesive colors, fonts, design elements, branding.

**Communicate:** through [MS Teams](#)

**Project Schedule (with 3 Key Milestones):**

**Wednesday, April 16– Sunday, April 20:** Share ideas and potential data through MS teams

**Sunday, April 20: Finalize topic and data sources (Milestone 1)**

**Wednesday, April 23: Prep Data Sources and Connect to a single file (Milestone 2)**

- (Project Plan and Schedule due before class)
- Have your individual data set ready (cleaned and prepped) to share with the group, connect data sources to a single .pbix file so we can download and use for our individual analysis
- Schedule our meeting time for final project assembly on Saturday, May 3

(Jason gone weekend of April 25-27)

**Wednesday, April 30: Individual Visuals (Milestone 3)**

- Have drafts for our individual visuals and takeaways to share with the group
- Share feedback during class time, draft plan for recording
- Make edits before Saturday, prep for your part of the recording

**Saturday, May 3: Final Assembly and Recording (Milestone 4)**

- Assemble our final .pbix file with all visuals
- Record presentation

**Tuesday, May 6: Final Project Due**

- Individually submit all files on Canvas:
  - Group Presentation video,
  - Group Power BI file
  - Individual reflection document