## Sep 26, 2024 | [Team 16 Weekly Sync](https://www.google.com/calendar/event?eid=ZGtub25nMWFpdmF0MGkwdnZoaGtldHJxdW8ga2FzcmFAdW1pY2guZWR1)

Attendees: [Kasra Afzali](mailto:kasra@umich.edu) [Michael Light](mailto:mikalite@umich.edu) [Iris Lin](mailto:irisqlin@umich.edu)

### **1. Data Mining and Pre-processing**

* **Addition of Sub-County Level Data**
  + Discussed the importance of incorporating sub-county level data to enhance the granularity of our analysis.
  + Action: Integrate sub-county data into the existing datasets.
* **Historical Data for Dialysis Facilities**
  + Agreed to add historical data on dialysis facilities to align with ballot information.
  + Action: Collect and merge historical dialysis facility data with current datasets.
* **Medicare Demographics Data**
  + Decided to include Medicare demographics data to enrich our understanding of the target population.
  + Action: Source and incorporate Medicare demographic data.
* **Research on Imputation Methods**
  + Identified the need to handle missing data effectively.
  + Action: Research and select appropriate imputation methods for our datasets.

### **2. Visualizations**

* **Basic Exploratory Data Analysis (EDA)**
  + Plan to perform EDA on each dataset to identify patterns and anomalies.
  + Action: Conduct EDA and document findings for each dataset.
* **Geographic Maps**
  + Agreed to create geographic maps for spatial analysis.
  + Action: Develop maps to visualize data geographically.

### **3. Report Development**

* **Weekly Update Form**
  + Proposed implementing a weekly update form to track progress.
  + Action: Design and circulate a weekly update template to the team.
* **Start of Report Draft**
  + Emphasized the need to begin drafting the report to guide the analysis.
  + Action: Create an initial report draft outlining the structure and problem statement.

**Action Items Recap:**

* **[Michael/Iris]:** Add sub-county level data.
* **[Michael/Kasra]:** Incorporate historical dialysis facility data.
* **[Kasra]:** Include Medicare demographics data.
* **[Kasra]:** Research imputation methods.
* **[ALL]:** Perform EDA on datasets.
* **[Kasra]:** Create geographic maps.
* **[Iris]:** Develop weekly update form.
* **[Iris]:** Start the report draft.

**Next Steps:**

* Assign specific team members to each action item.
* Schedule follow-up meetings with project mentors to review progress

**Next Meeting:** Sunday 9/29/2024