**Frustration Report**

**1. Challenges Faced**

**Difficulties in Searching for and Selecting a Dataset**

* Finding a dataset that aligns with course requirements was challenging.
* Some datasets lacked key variables needed for analysis.
* Ensuring the dataset had proper formatting (CSV) was time-consuming.

**Obstacles in Understanding the Dataset Structure and Variables**

* Some datasets had unclear column names, making it difficult to match them to ERD.
* Missing values and inconsistent data formats caused processing issues.
* Some datasets had data, requiring additional transformations.

**2. Difficulties in Formulating Research Questions**

**Challenges in Defining Relevant Research Questions**

* Ensuring that research questions aligned with the available dataset variables.
* Balancing between analytical insights and specific research feasibility.

**Struggles in Aligning Dataset with Analytical Methods**

Identifying the best approach for normalizing data.

* Matching dataset structure to ERD attributes.

**3. Strategies Used to Overcome Obstacles**

* Conducted thorough dataset reviews to ensure completeness and relevance.
* Utilized Pandas to clean, transform, and normalize data.
* Did online resources for structuring research questions.
* Re-mapped dataset attributes to align with the ERD and research goals.

**4. Reflections and Lessons Learned**

**What I Would Do Differently**

* Start by defining research questions before selecting a dataset to ensure alignment.
* Validate dataset structure before proceeding with transformation steps.
* Consider multiple datasets to compare and choose the most complete one.

**How This Experience Shaped My Research Approach**

* Improved my understanding of dataset normalization and structured data analysis.
* Enhanced my ability to align data attributes with research questions effectively.
* Gained experience in troubleshooting data issues and restructuring datasets for better usability.