**Assessment of Marginal Workers in Tamil Nadu- A Socioeconomic Analysis (DAC)**

**Phase 1: Problem Definition and Design Thinking**

**Problem Definition**

The objective is to analyse the demographic characteristics of marginal workers in Tamil Nadu with a focus on their age, industrial category, and sex. We need to provide insights into the distribution of marginal workers across these categories using visualizations.

**Understanding the Problem:**

* Data Collection: Gather relevant data sources, such as census data, labour statistics, and demographic surveys, for Tamil Nadu.
* Data Preprocessing: Clean and organize the data to ensure consistency and accuracy.
* Identify Marginal Workers: Define and identify the criteria for categorizing individuals as marginal workers based on government definitions and standards.
* Demographic Categories: Identify age groups and industrial categories for analysis.
* Visualization Methods: Decide on appropriate visualization types (bar charts, pie charts, heatmaps) for presenting the data.

**Design Thinking:**

* Audience: Consider the audience for this analysis, which may include policymakers, researchers, and organizations interested in labour demographics.
* Data Privacy: Ensure compliance with data privacy regulations and anonymize any sensitive information.
* Tools: Select appropriate data analysis and visualization tools (e.g., Python, R, Excel) based on your team's expertise.
* Visual Appeal: Design visually appealing charts and graphs that are easy to interpret.
* Interactivity: Explore the possibility of creating interactive visualizations for a more engaging presentation.

**Recommendations:**

* Based on the insights, provide recommendations for policymakers or relevant stakeholders to address any identified issues or opportunities.
* Discuss potential policy changes, interventions, or programs to support marginal workers in Tamil Nadu.