



# **KGiSL Institute Of Technology**

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**Phase 3 Submission**

**Batch-06**

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

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# Assessment of Marginal Workers in Tamil Nadu – A Socioeconomic Analysis

## Introduction

This report aims to provide a comprehensive analysis of the demographic characteristics of marginal workers in Tamil Nadu, focusing on age, industrial category, and gender. The dataset used for this analysis contains information on various parameters related to workers in different districts and areas within the state.

## Demographic Overview

The dataset encompasses diverse demographic variables, including age groups, industrial categories, and gender distribution. The age groups are classified into five categories: `5-14`, `15-34`, `35-59`, `60+`, and `Age not stated`. The industrial categories range from A to R, each specifying a different aspect of employment.

## Visual Representation

### Bar Charts

To better understand the distribution of marginal workers, bar charts have been generated for selected variables. The bar charts visually represent the frequency of individuals in different categories. Examples of variables visualized include age groups, industrial categories, and gender distribution.



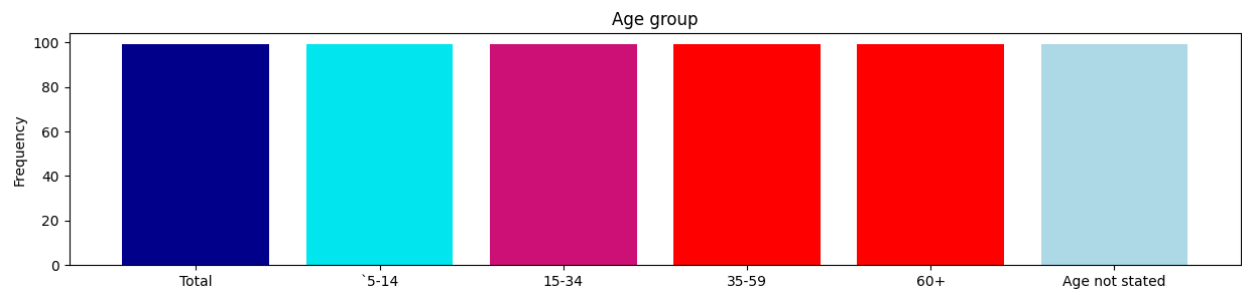


Figure 1: Bar chart illustrating the distribution of workers across age groups.

## Correlation Heatmap

A correlation heatmap has been created to identify potential relationships between different variables in the dataset. This heatmap provides insights into the interdependence of various factors, aiding in a more nuanced analysis.

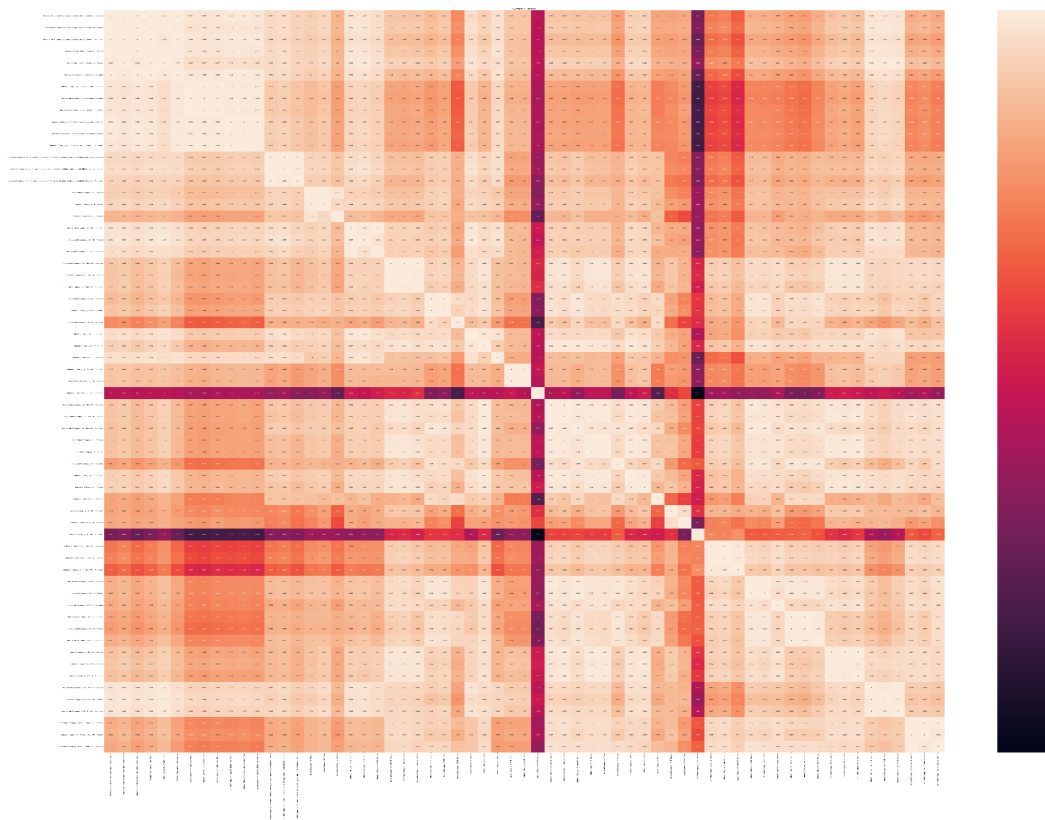


Figure 2: Correlation heatmap displaying relationships between different demographic variables.

## **Key Findings**

### **1. Age Distribution:**

- The age group `15-34` has the highest representation among marginal workers.
- Many workers fall into the `60+` age category.

### **2. Industrial Categories:**

- The dataset covers a wide range of industrial categories, from agriculture to non-HHI activities.
- Analysis reveals the prevalence of workers in specific industries, providing valuable insights into the economic landscape.

### **3. Gender Analysis:**

- The gender distribution among marginal workers shows variations across different age groups and industrial categories.
- Further exploration of gender-specific trends is recommended for a more detailed understanding.

## **Conclusion**

This analysis offers a comprehensive view of marginal workers in Tamil Nadu, emphasising age, industrial categories, and gender distribution. The visualizations provided enhance the interpretability of the dataset, facilitating a deeper understanding of the socioeconomic landscape. Further exploration and targeted analyses are recommended to derive actionable insights for policymakers and researchers.

