Project IBM

Project 3: TN Marginal Workers Assessment

Phase 1: Problem Definition and Design Thinking Project Definition

The project aims to analyze the demographic characteristics of marginal workers in Tamil Nadu, focusing on age, industrial category, and gender distribution. The objective is to conduct a comprehensive socioeconomic analysis and represent the distribution of marginal workers using visualizations.

Design Thinking

Project Objectives

Analyze marginal worker demographics.

Understand age and gender distribution trends.

Explore industrial categories and their impact on marginal workers.

Analysis Approach

Data Extraction: Identify and retrieve relevant datasets.

Data Cleaning: Process data to remove duplicates, outliers, and inconsistencies.

Data Analysis: Apply statistical techniques to derive insights.

Visualization Selection

Bar Charts: Display categorical data like industrial categories.

Pie Charts: Represent proportions of different age groups.

Heatmaps: Show correlation between variables.

Deliverables

Problem Statement Document

Cleaned Dataset

Data Analysis Report

Visualization