**AIR QUALITY ANALYSIS IN TAMIL NADU**

|  |  |
| --- | --- |
| **Date** | **29-10-2023** |
| **Team ID** | **719** |
| **Project Name** | **AIR QUALITY ANALYSIS IN TAMILNADU** |

**Objective**

The primary objective is to conduct an in-depth analysis of unemployment in Tamil Nadu to comprehend its detrimental effects on poverty, starvation, and the state's economy, specifically, its contribution to the decline in the GDP of the Indian state.

**Analysis Approach**

**Data Integration**

Merge historical and current datasets on unemployment to create a comprehensive analysis.

**Comparative Analysis**

Compare the unemployment data in Tamil Nadu with data from other regions or countries to gain broader insights into the situation.

**Trend Exploration**

Identify and explore trends in unemployment rates over time to understand fluctuations and potential causes.

**Visualization Types**

1. **Bar Chart**

Utilize categories of joblessness on the x-axis against the count or percentage of unemployed individuals on the y-axis, differentiating types of unemployment with distinct colors.

1. **Pie Chart**

Display the proportionate distribution of various unemployment types, assigning each category a slice in the pie chart.

1. **Stacked Bar Chart**

 Visualize the composition of unemployment types as sections of a bar, enabling comparisons across different periods or regions.

1. **Treemap**

Display the relative proportions of different unemployment categories using nested rectangles within a larger rectangle.

**Insights of Demographic Characteristics of Marginal Workers**

1. **Age Conveyance**

Determine if unemployment is prevalent among the younger, middle-aged, or older demographic groups.

1. **Sex Breakdown**

Analyze gender disparities within joblessness in terms of roles, job types, or income levels.

1. **Instructive Achievement**

  Assess the educational levels of the unemployed to understand the link between education and employment status.

1. **Country vs. Urban Home**

  Investigate if unemployment is more prominent in rural or urban areas to inform regional development strategies.

1. **Caste and Ethnicity**

Explore whether certain castes or ethnic groups are disproportionately represented among the unemployed, impacting targeted interventions.

1. **Conjugal Status and Family Composition**

Understand family responsibilities and care duties among the unemployed to identify needs for support systems.

**7. Geographic Distribution**

Map areas with high concentrations of unemployed individuals to inform targeted interventions in these regions.

**8**. **Movement Designs**

  Analyze if the unemployed move frequently or permanently for work, helping plan appropriate support systems for these mobile workers.