

Project Abstract: Assessment of Marginal Workers in Tamil Nadu- A Socioeconomic Analysis Using IBM Cognos Analytics

Team members:

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Phase 3

1. Loading and Preprocessing the Dataset:

- Begin by collecting the relevant dataset for your social economic analysis. Ensure that the dataset is clean, and any missing or inconsistent data is handled appropriately.
- Use IBM Cognos Analytics to import and load the dataset into the platform. Ensure that the data is correctly formatted for analysis.

2. Performing Data Analysis:

- Utilize the features and tools provided by IBM Cognos Analytics to perform data analysis. You can conduct descriptive statistics, data profiling, and explore the dataset to understand its structure.

3. Data Preprocessing:

- Carry out data preprocessing activities such as data cleaning, data transformation, and handling outliers. Ensure that the dataset is ready for further analysis.

4. Visualization and Dashboard Creation:

- Create visualizations using Cognos Analytics to present key findings from your dataset. This may include bar charts, pie charts, line charts, and heatmaps to represent socioeconomic trends.

5. Analysis as Needed:

- Based on your project's requirements, perform specific analyses that are relevant to your social economic analysis. For example, if your project focuses on income disparities, conduct income distribution analysis, or if it relates to education levels, analyze education attainment statistics.

6. Documentation:

- Create a detailed document that summarizes the activities performed in this phase. Include descriptions of the dataset, data preprocessing steps, analysis findings, and visualizations.

7. Sharing for Assessment:

- Upload the document to your private GitHub repository, following the file naming convention: "TechnologyName_Phase3". Ensure that your

college evaluators, faculty evaluator, and industry evaluator have access to the repository for the assessment process.

8. **Access Control:**

- Make sure to provide access to the relevant email IDs (college evaluators, faculty evaluator, and industry evaluator) so they can view and assess your project on GitHub.

It's important to tailor your data analysis and visualization to the specific goals of your social economic analysis project. Be sure to follow any project-specific requirements and guidelines provided by your institution or project stakeholders.

This process ensures that your work is well-documented and can be assessed effectively by your evaluators.