

PUBLIC TRANSPORTATION ANALYSIS

README FILE FOR PHASE 5

TEAM MEMBER

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Transportation Data Analysis Project:

Overview

This repository contains the documentation and codebase for the "Enhancing Transportation Efficiency and Safety Through Data-Driven Insights" project.

The project aims to improve transportation efficiency and safety by analyzing relevant data, identifying patterns, and providing actionable insights to support transportation improvement initiatives.

Project Structure

/documentation: Contains detailed documentation outlining the project objectives, design thinking process, development phases, analysis objectives, data collection process, data visualization using IBM Cognos, code integration, insights, recommendations, and conclusions.

/code: Contains the source code and scripts used for data collection, preprocessing, analysis, and integration with IBM Cognos. The code is organized into modules for clarity and reusability.

/data: Includes sample datasets used for analysis and visualization.

This folder provides an example of the data format and structure utilized in the project.

How to Use:

Clone the Repository:

bash

```
git clone <repository-url>  
cd transportation-data-analysis
```

Explore Documentation:

Navigate to the /documentation folder to access detailed project documentation, including objectives, methodologies, findings, and recommendations.

Explore Codebase:

Browse the /code folder to explore the source code and scripts.

Each module is appropriately named and documented for easy understanding.

Explore Sample Data:

Examine the sample datasets in the /data folder to understand the data format used in the analysis.

Dependencies:

Python 3.x

IBM Cognos

(List any other specific dependencies)

Contribution Guidelines:

Fork the repository.

Create a new branch for your feature: `git checkout -b feature-name`.

Make your changes and commit them: `git commit -m 'Add feature'`.

Push to the branch: `git push origin feature-name`.

Submit a pull request explaining the changes made.

License:

This project is licensed under the MIT License.