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.

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