Big Data Analytics For Smart Transportation

Objective

To use data analytics and visualization techniques to understand traffic patterns to help in urban planning for transportation in Singapore.

Data Preparation

- Bus Routes Data
- Passenger Load Data
- Road Condition Data
- Student Trajectory Data

Visualization

- Analyse road segment condition based on taxi speed
- Visualise bus routes and directions
- Visualise all students trajectory from home to school
- Analyse MRT stations passenger volume

Traffic Prediction

Bus Integration

National Science Experiment Resilience Analysis

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