



Sam
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- Main Tasks:**
- Road safety analysis
 - Determine road features such as speed limits and signalization
 - Coordinate reviews of security audits

Practices

- Use the annual average daily traffic data to calculate the accident rate
- Use travel time data for analysis of stop implantation
- Collect transportation data to justify analysis and evaluate project performance

Tools

- Google Maps: Validate analysis and use screenshots to write reports
- Excel: Process and utilize data

Challenges

- There is no common interface for managing all data in different formats
- Data manipulation in Excel is not user-friendly
- Relies on Google Maps but does not know how it calculates its results
- The process of preprocessing and cleaning data can take a long time
- Data based on vehicle types is not complete

Needs

- Understand user behavior on the road
- Check congestion status to better respond to user complaints
- Calculate derived indicators such as queue length

Tools

- Support the exploration of historical data
- Filter the data according to different criteria, such as date, time and road section.

Visualisation

- Support analysis on multiple variables on a graph
- View different indicators on the map
- Support visualization with cartographic metrics