# Traffictelligence:Advanced Traffic volume estimation with Machine Learning

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**Problem Statement Definition:**

**Traffictelligence:Advanced Traffic volume estimation with machine learning**

The objective of this project is to address the critical need for advanced traffic volume estimation using machine learning techiniques.with incre asing urbanization and the consequent rise in vehicular traffic,accurate prediction of traffic volume is essential for optimizing traffic volume is essential for optimising traffic flow,planning infrastructure,and enhancin g overall urban mobility.Traditional methods of traffic volume estimati- on often rely on manual data collection or simplistic models,leading to limited accuracy and scalability.to tackle this challenge,Traffictelligence seeks to leverage advanced machine learning algorithms to develop a robust and scalable solution for traffic volume estimation.by harnessing data from various sources such as trafficameras,sensors,GPS data, and historical traffic patterns,the project aims to create predictive models capable of accurately forecasting traffic volume in real-time

**Technical Architecture:**

