Algolytic
Data Solutions

National Link Counts for Highway Traffic Analysis

CASE STUDY

CHALLENGE

A government agency responsible for managing the highway network in a country needed to understand the movement patterns, volume, classification and vehicle counts per hour on each link to optimize traffic flow and plan road improvements. The challenge was to gain accurate and comprehensive data on the number of vehicles traveling on each road link in the country.

"For over 10 years, we've been developing new ways to empower businesses with data driven insights.

Our mission is to provide companies with world class traffic analytics solutions that drive business success."

Kripamurti
CEO & Founder
Algolytic Data Solutions

SOLUTION

Algolytic Data Solutions provided a solution by conducting a national link count survey using advanced traffic analysis tools. The survey involved deploying sensors at strategic locations throughout the country to collect data on vehicle movements, volume, classification and counts per hour.
Using advanced data analytics tools, Algolytic Data Solutions was able to process and analyze the data collected from the sensors. This allowed the government agency to gain valuable insights into traffic flow and identify areas of congestion. The data also provided insights into the average speed of traffic on each road link, which could be used to optimize traffic flow and reduce travel times.

RESULTS

The results of the national link count survey provided valuable insights into traffic flow across the highway network in the country. The government agency was able to identify areas of congestion and make informed decisions about road improvements and traffic management. For example, the data showed that there was significant congestion on a particular highway link during peak hours, with 50 vehicles per hour. this information enabled adjustment of traffic management strategies and allocation of resources to reduce congestion and improve traffic flow.

The data also allowed to make informed decisions about road improvements. For example, the data showed that there was a high volume of heavy vehicles on a particular highway link, which required additional maintenance and repair. This information enabled prioritization of road improvements and allocate resources to improve traffic flow.

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Want to Navigate the Road to Success with Algolytic Data Solutions?

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