Tiger Analytics equipped a large automotive manufacturer to improve vehicle performance by generating optimization insights

Tiger Analytics helped collect high-velocity Telematics Data from vehicles to build effective models. It uncovered patterns and correlations to extract valuable insights about vehicle performance. The solution also ensured a reduction in the carbon footprint with model-generated insights.
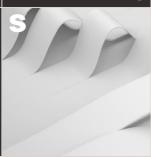

The Background

Our client is a multinational Automotive Manufacturing company with a diverse portfolio, including passenger cars, trucks, vans, buses, defense vehicles, etc. They wanted to develop offerings in the connected vehicles space, especially for their commercial vehicles. The client has an in-house platform for descriptive statistics on vehicle performance, driver and trip information etc. So, they were looking to extend this platform by leveraging insights from their Telematics Data, thereby improving vehicle performance.

Key Challenges

Limited data insights:

There was a dearth of visibility on patterns and correlations in Telematics Data.

No data on diagnostics:

Information on diagnostics that could potentially improve vehicle performance was missing.

Tiger Analytics

Our Solution

Tiger Analytics built a solution to help unearth critical data insights powered by Power BI.

The team first conducted **Data Ingestion**, which collected high-velocity Telematics Data from vehicles, such as speed, acceleration, braking, and engine performance.

Model Development was executed by uncovering patterns and correlations in the Telematics Data. It helped derive valuable insights and improve vehicle performance.

Tech Stack

Azure

Power BI

databricks

Value Delivered

Operational optimization and enhanced decision-making were achieved in fleet management, driver safety/maintenance, etc.

The carbon footprint was reduced through model-generated insights and improved vehicle performance efficiency.

About Us

Tiger Analytics is a global leader in AI and analytics, helping Fortune 500 companies solve their toughest challenges. With over 4000 data technologists and consultants spread across offices in the US, Canada, UK, India, Singapore and Australia; we help our customers accelerate their AI and analytics journey in sectors like CPG, Retail, Insurance, BFS, Manufacturing, Life Sciences, and Healthcare. Tiger Analytics is a Great Place to Work-Certified and a 'Leader' in the Forrester Wave: Customer Analytics Services Report 2023.

Visit https://tigeranalytics.com to see how Tiger Analytics provides certainty for a better tomorrow.