

Business Problem



• We aimed at optimization of costs, risks and efficiency in fleet operations. It includes a range of functions, such as vehicle telematics (tracking and diagnostics), driver management, speed management and health and safety management.

Technology



• R and Oracle Database

Solution



The techniques used in the analysis of current of historical facts to make predictions about future include:

- Statistics
- Modeling
- Machine learning

The key component of any successful predictive model is gathering and analyzing actual fleet data. The final product is to be process and deliver the information in a clear and comprehensive format which can be readily used by fleet managers to take informed action based on the data obtained.

Benefits



- Improves driver safety and driver behaviour
- Better performing fleet vehicles
- Huge cost savings for fleet management

Conclusion



From a more connected fleet to high financial savings, the advantages of predictive analysis on this are plentiful. Seventy-eight percent of maintenance managers are not happy with their current maintenance approach, most likely because they do not have the tools and resources necessary. So this can help to decrease accidents, drastically reduce downtime and make a more efficient fleet. So companies should consider investing in this technology.