ABSTRACT

The royal project in Chiang Mai has a vehicle rental service that uses in many aspects, such as deliver merchandise, transfer staff, etc. Each time that the royal project uses the vehicle rental service, the staffs need to pay the service charge. However, in reality, they don’t know exactly how much to pay for each trip. They just use their own feelings to estimate the cost according to the distance, road condition, and the steepness that the vehicle goes. As we can see, this kind of prediction leads to a net loss in the organization.

In order to solve this problem, we created a system to calculate the approximate cost of the intra-organization vehicle rental service. Our system collects different telemetry data parameters to identify the service charge of the vehicle. The staff can access the previous driving session of each vehicle to know the pattern of the cost. Furthermore, they can view the data as time-series that they can choose the interval of time.

Keywords: Data analytics/OBD2/Vehicle rental/Telematics