## Developing a Flight Delay Prediction Model using Machine Learning

## SUBMITTED BY

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LITERATURE SURVEY:					
TITLE	AUTHOR	ALGORITHM	ADVANTAGES	DISADVANTAGES	
VEHICLE PERFORMANCE ANALYZER BASED ON DEEP LEARNING AND LEVENBERG- MARQUART ALGORITHM	Daniel A.Roberts and Sho Yaida,Nikhil Buduma,Nithi Buduma, Joe papa and Nicholas Locascio.	Deep Learning	Integrating a GPS tracking device is beneficial to reduce the overhead cost as it prevents the consumption of fuel, unnecessary overtime expenses, and unauthorized vehicle usage. The tracking system helps you to monitor the activities of drivers more efficiently.	GPS receivers rely on signals from at least four satellites. If they only connect with three, the positioning is not entirely accurate. When obstacles such as walls, buildings, skyscrapers, and trees obstruct a signal, problem can arise.	
VEHICLE PERFORMANCE ANALYSIS USING MACHINE LEARNING ALGORITHM (XGBOOST)	Oliver Theobald,Andriy Burkov,Chip Huyen,Robert Munro	Machine Learning	Different ML algorithms to predict if a Vehicle performance will be good or bad. So, it will not be aiming to get the highest accuracy possible, because it would be quite easy by adding a series of features that will bias the model in terms of predictive power. So, this information was looked at as part of the Exploratory Data Analysis (EDA).	The authors compare various machine learning algorithms to predict vehicle performance, but failed to consider simple neural networks and decision tree classifiers. So simple machine learning algorithms like decision tree and simple neural networks to be implemented to predict vehicle performance, and investigate if we can predict vehicle performance with fewer feature-set accurately.	

PREDICTION OF THE VEHICLE'S PERFORMANCE USING DATA MINING.	Shantanu Pardhi, Ajinkya Deshmukh, Hugo Ajrouche	Data Mining	dynamic/data-driven modelling approach for the complete traction chain with attention to the effects of detailed vehicle dynamics has been implemented in MATLAB Simulink. Simple parallel regenerative braking technique and recuperation favouring brake distribution strategies have been employed on a performance electric car considering front and rear wheel propulsion cases. Powertrain behaviour in a dynamic driving scenario has been investigated to understand how the two cases with the corresponding recuperation favouring braking strategies perform under elevated transient vehicle dynamics. Finally, the impact of normal load transfer, tyre slip and wheel adhesion limits on regenerative braking has been quantitatively compared for the complete range of brake pedal demands using high-speed braking tests while avoiding wheel	Then, all patterns derived from the warehouse by some data mining algorithm have to be updated as well.
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