DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING

Submitted By

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LITERATURE SURVEY

TITLE	AUTHOR	ALGORITHM	ADVANTAGES	DISADVANTAGE
Flight Departure Time Prediction Based on Deep Learning	HangZhou, Weicong Li, Ziqi Jiang, Fanger Cai and Yuting Xue	DEEP LEARNING	1. The deep learning architecture is flexible to be adapted to new problems in the future. 2. The same neural network based approach can be applied to many different applications and data types.	1. It requires a very large amount of data in order to perform better than other techniques. 2. It is extremely expensive to train due to complex data models. Moreover deep learning requires expensive GPUs and hundreds of machines. This increases cost to the users. It is not easy to comprehend output based on mere learning and requires classifiers to do so. Convolutional neural network based algorithms perform such tasks.

			3. Massive parallel computations can be performed using GPUs and are scalable for large volumes of data. Moreover it delivers better performance results when the amount of data is huge.	

FLIGHT DELAY PREDICTION USING THE DATA MINING	Adrian, A. A. Simmons	DATA MINING	1. It helps gather reliable information 2. Helps businesses make operational adjustment. 3. Helps to make informed decision. 4. It helps detect risks and fraud	1 . Data Mining tools are complex and require training to us 2. Data mining techniques are not infallible 3. Rising privacy concern 4. Data mining requires large database

FLIGHT DELAY PREDICTION USING THE AVIATION	RAHUL GARG,SOHAM GOSAVI,	BIG DATA	Reveals that big data analytics has helped businesses to reduce their expenses significantly. 66.7%	The lack of big data experts and data scientists has been the
OF BIG DATA	TEJAS CHOULWAR		of survey respondents from New Vantage claimed that they have started using big data to reduce expenses. Furthermore, 59.4% of survey respondents from Syncsort claimed that big data tools helped them reduce costs and increase operational efficiency.	biggest challenge in this field for the past three years. Currently, many IT professionals don't know how to carry out big data analytics as it requires a different skill set. Thus, finding data scientists who are also experts in big data can be challenging.