Analysis of Factors of Road Traffic Accidents using Enhanced Decision Tree Algorithm

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Abstract

Decision tree is a data mining technique which is used to build classification model. ID3 and C4.5 are basic decision tree algorithms that are used to create classification model depending upon the different datasets. In this paper, the enhanced C4.5 algorithm is presented to analyze the traffic accident data using WEKA data mining tool. The main aim of this enhanced approach is to provide a simple, efficient model in classifying the data set. The efficiency of enhanced algorithm is drawn by comparing it with existing algorithms.

References

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**Index Terms**

Computer Science  
Algorithms

**Keywords**

C4.5, ID3, Decision tree algorithm, NH (National highway), WEKA tool