ROAD TRAFFIC ACCIDENTS WITH DATA MINING TECHNIQUES

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ABSTRACT

This paper emphasizes the importance of Data Mining classification algorithms in predicting the vehicle collision patterns oc curred in road accident data set. This paper is aimed at deriving decision tree which can be used fo r the prediction of manner of collision. A road traffic accident is defined as any vehicle accident occurring on a public highway. It includes collisions between vehicles an d animals, vehicles and pedestrians, or vehicles and fixed obstacles. Single vehicl e accidents, which involve a single vehicle, that means without other road user, are also included At all levels, whether at national or international level, road traffic accidents continue to be a growing problem. In connection with this, according to expected to grow from 28.1 million a year in 1990 to 49.7 million by 2020, which is an increase in absolute number of 76%. Traffic accidents are the main cause of this rise. Road traffic injures are expecte d to take higher place in the rank order of disease burden in the near future.

KEYWORDS: Decision Tree, Data Mining, WEKA