

Universiti Teknologi MARA

**Determining Significant Factors That
Leads Traffic Drivers To Fatal Accidents
In Malaysia By Using Logistic Regression**

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STUDENT'S DECLARATION

I certify that this report and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

The aim of this study is to investigate factors that significantly contribute to death of the driver in an accident. For the purpose of this study, a total of 200 dataset was collected from the accident cases reported in News Straits Times occurred throughout Malaysia during 2nd of January 2018 until 20th of October 2018. This research study applies Logistic Regression technique by using SPSS software to analyze the results. The variables or factors studied involved several dichotomous variables such as the type of driver's vehicle, the gender of the driver, the status of the driver, the state where the accidents occurred, the time and the cause of the accident. In general, road condition, weather condition and drug abuse are not the major factors that leads to driver's fatal accident. Furthermore, there are only two significant variables which act as a good predictor for the model namely the time of accident in the afternoon as well as gender.

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