

Thesis Title	Driver Factors affecting the Severity of Accidents in Bangkok
Thesis Credits	12
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Degree of Study	Master of Engineering
Department	Civil Engineering
Academic Year	1999

### Abstract

From the statistics of road accidents in the past, it has been found that the causes of accidents are mostly related to the driver. Therefore it is important to arrive at problem solving data of accidents from driver. This study was carried out to analyse factors relating to drivers that affect the severity of the accidents, by first collecting groups of these factors from documents and research. After that the collected factors were gathered and data collected from drivers that had accident experience in the Bangkok Metropolitan Area and the elementary statistics and coefficient correlation were analyzed to select the groups of factors that were related to the severity of the accidents. After that those analysis of the relation between causes in order to summarize the results of the factors relating to the drivers that affected the severity of the accidents.

The following is the result of a study on sample data. It has been found that there are nine factors relating to the level of severity of the accidents which have been arranged from highest to lowest incidence i.e. Drinking-and-Driving, Driver Behaviour, Driving Perception, Drugs Usage, Traffic Rules Violation, Health Status, Mental Status, Local Customs and Socio-Economic. Having made a detailed analysis of the factors relating to drivers and the severity of accidents by studying the relation of causes it was found that there are only two factors that are closely related to the severity of accidents, i.e. Driver Behaviour and Drinking-and-Driving. The result of the study shows that the highest factor relating to drivers which affects the severity of accidents is not the factor of Drinking-and-Driving as understood by us but it is the factor of Driver Behaviour. The said factor has been influenced by three other factors, here ranked in

order of indirect relation from highest to lowest level of incidence i.e. Local Customs, Drugs Usage and Traffic Rules Violation.

From the result of this study, the researcher has recommended ways of decreasing the severity of accidents by using measures relating to drivers, by a road safety consciousness campaign and by being strict on drivers to make them follow the traffic rules and drive seriously including the use of measures to control the problem of driving while under the influence of alcohol or narcotics, since the above measure shall directly affect the severity of accidents caused by driver related factors..

**Keywords :** Factors / Driver / Accidents / Severity / Relation