# Prediction the car accident

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## 1 Introduction

### 1.1 Background

According to one of World Health Organization (WHO) reports, road traffic accidents cause about 1.3 million deaths worldwide, and 20-50 million suffer non-fatal injuries. Road traffic accidents are the main cause of death for all age groups, and the main cause of death for young people aged 15-29.

Some reports show that road traffic injuries are still an important public health problem. To reduce the number of road traffic casualties, an overall framework such as the "safety system approach" needs to be adopted to provide a safe road traffic system for all road users.

### 1.2 Problem

However, traffic accidents were happened in some relative complex environment. this essay will analyses the data of a car accident severity, analysis the main reason of collisions, and build a model to predict the car accident.

### 1.3 Interest

Overtly, based on the results of this report, the transportation department can give early warning to areas where traffic accidents are frequent. Drivers will also be interested in this, allowing the model to prompt potential accidents.

## Reference

1 WHO <https://www.who.int/features/factfiles/roadsafety/zh/>