Introduction

Despite the efforts made by both automobile manufacturers and authorities to guarantee road safety, traffic accidents constitute a considerable proportion of the injuries that occur annually and a major problem of the society.

It is proposed to evaluate, by means of machine learning algorithms, the weight that different parameters and conditions have on the occurrence of traffic accidents. With this evaluation, an insight is obtained about the influence of factors inherent to the driver, road conditions or weather conditions, on the occurrence and severity of traffic accidents.

At the end of the study, a tool will be available to predict the probability of occurrence and the severity of traffic accidents, which can be very useful in the creation of specific technologies for their prevention.