

## **Introduction**

### **A description of the problem and a discussion of the background.**

There are a number of different factors that cause road collisions, in most cases it is related to driver factors, road and weather conditions. Collisions can result in terrible consequences, including death, injury, disability, property damage and financial costs.

For this project I will attempt to build a model which can predict the severity of an accident given the weather and the road conditions. Such a model could bring a new awareness to drivers of the dangers that can occur while travelling on the road and would encourage them to drive more safely.

The question we will attempt to answer is if you knew the weather and road conditions how severe would an accident be if a collision occurs?