

# Applied Data Science Capstone Project

## Car accident severity

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# Introduction

In this project I intend to build a machine learning model capable of predicting the severity of a car accident based on some variables like weather, road conditions and other relevant variables.

My project could result interesting to:

- Insurance companies
- Transport/road traffic government agencies
- Car drivers

## Data

I have used a dataset which compiles car accidents in the city of Seattle. The dataset has been provided by Coursera. Follow this link to see the metadata of the dataset

<https://drive.google.com/file/d/1uPOIUo2qaF-WYQYq5UljADLEqw1GGfwM/view?usp=sharing>

The variable to predict is SEVERITYCODE

After analyzing the original dataset, I have decided not to use all the attributes, but the following:

ADDRTYPE

COLLISIONTYPE

PERSONCOUNT

VEHCOUNT

JUNCTIONTYPE

WEATHER

ROADCOND

LIGHTCOND

SPEEDING

ST\_COLCODE