**Applied Data Science Capstone Background**

* Case Study to predict the severity of an accident
  + Based on weather and road conditions
* Good features or attributes to use
  + Location
  + Road Condition
  + Weather Condition
  + Junction junction
  + Car Speeding
  + Number of people involved
  + Light conditions
  + Number of vehicles involved
* Description of Problem and Discussion of Background
  + Driving to another city for work or to visit some friends
  + It is rainy and windy, and on the way, you come across a terrible traffic jam on the other side of the highway
  + Long lines of cars are barely moving
  + As you keep driving, police cars start appearing from after shutting down the high way
  + Got accident and there’s a helicopter transporting the ones involved in the crash to the nearest hospital
  + Must be in critical condition for all of this to be happening
  + Now, wouldn’t it be great if there is something in place that could warn you, given the weather and road conditions about the possibility of you getting into a car accident and how severe this would be, so that you would drive more carefully or even change your number
* Description of data and how it will be used to solve the problem