this is the Chicago Auto Incidents Prevention System.

What we’re looking here in this presentation, we’ll start off with an overview of the:

Problem statement

and

Informative statistics.

We’ll talk about the methodology and the exploratory data analysis

And finally we’ll discuss the classification the results

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So first up is the problem statement

the goal of the project is to create a predictive model capable to analyse and predict the contributive primary causes of the road accident that can be use as real time detection system.

And and to provide a statistical analysis as a prevention tool aimed to reduce auto incidents

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road accident is not only an important topic in the georaphic aerea of AI, but also directly related the people's life,

just to get a general idea of the matter, in the city of chicago nearly 92,000 people get involved every year in car crashes,

and in addition up to 1000 people die every year and about 2000 reported as incapacitating injury. as well as talking about the economic impact sustained by both the people and the government.

Machine learning can be helpful tool to analyse and reduce the risk of crashes.

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Data.

What we’re worked on here with the data … we had a numerous problem to overcome

The first of with was the overwhelming about of data

We had a 3 different dataset totaling at closing 1 million unique observation

Of this dataset we have an alarming amount of missing data

The crashes dataset wich is our primary one that we use --- over 20% of this data as missing

We had other datasets including the people involved which had about 35% of missing data

And the vehicle dataset wich had a bout 70% of the data missing from them