



MOVEHACK

Driver Profiling and Accident Hotspot Prediction

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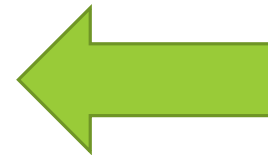
Datasets

This information is already provided in the given datasets.



- Latitude
- Longitude
- Location Name
- Speed
- Time
- Alarm Type

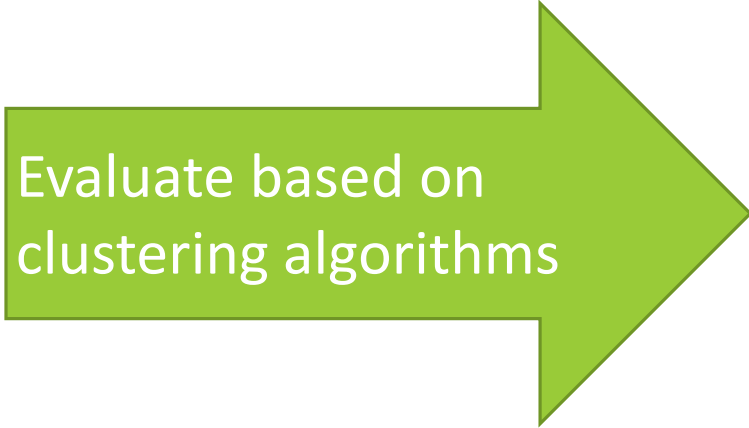
They also have crucial effect on accidents and thus we will consider these attributes in our evaluation.



- Weather (visibility, sky conditions, etc.)
- Peak Hour Timings
- Potholes
- Accident prone zones

Accident Likelihood Labels

Latitude
Longitude
Location Name
Speed
Time
Alarm Type
Weather Conditions
Peak hour timings
Potholes
Accident prone zones



Evaluate based on
clustering algorithms

Labels

High

Low

Machine Learning Algorithms

Latitude
Longitude
Location Name
Speed
Time
Alarm Type
Weather Conditions
Peak hour timings
Potholes
Accident prone zones



Labels
High
Low



Compare the
performance of
accident likelihood
labelling based on
clustering samples

Solution

