**RECKLESS DRIVING DETECTION SYSTEM**

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CONTEXT ACQUISITION:

Since our project focuses on the controller of our ubiquitous system, we used a dataset which contains the raw data acquired by the sensors.

**(1\_20210317\_184512.csv, 2\_20210317\_171452.csv):**

Data has been recorded on an android phone attached to the dashboard of the car. Data was collected while driving the car on city roads in mild traffic. The parameters recorded are : Longitude, Latitude, Speed, Distance, Time, Acc X, Acc Y, Acc Z, Heading, gyro\_x, gyro\_y, gyro\_z (Acc - Accelerometer, Gyro - Gyroscope).

**(3\_FinalDatasetCsv.csv):**

Above two files merged but only Accelerometer and Gyroscope parameters are present. Also another column present called 'label'. This column basically has two classes - '0' and '1'. '0' represents normal driving behavior while '1' represents aggressive driving behavior.

These datasets can be used for training machine learning models that classify a person's driving into normal or aggressive.

**DATASET LINK:** https://www.kaggle.com/code/blacksheep2105/har-model/data