

Requirements:

The client requested an app that tracks a person's behavior while driving with the help of sensor data from external sensors on hands and feet. The data obtained from the sensors should be saved locally to a database to provide specific insights into the user's behavior each day. The app should also be able to classify the person's behavior based on HRV in real time. The client wants the functions for calculating the HRV in a separate package to be modular and organized on specific domains.

Sensor data is retrieved in real time.

HRV calculation functions are implemented.

HRV package is not modular, currently all functions are in a single file.

Sensor Data not saved to database.

There are no plots/graphics implemented that provide insights into driver's behavior.

There is no ML-algorithm implemented for classifying driving behavior.