



Course: Data-driven models in engineering applications

3rd Assignment

Extreme Driving Detection

You are given the records of the sensors of a driver's smartphone (accelerometer, gyroscope and GPS) for a number of trips. The data are in a completely anonymized format.

You are asked to detect extreme turning movements. Compare the results of, at least, three different algorithms.

This assignment is individual. Each student should submit their exercise before the scheduled date. The submission should include:

- A pdf file with the answers and comments on the results.
- The corresponding code in R.
- A .csv file with the results of the detection.

The above files should be submitted as single compressed .zip or .rar file. The file should be named ds21XXXX-YY, where XXXX is your surname using characters of the Latin alphabet and YY is the number of the assignment (here is 03, as it is the 3rd Assignment).