

Vehicle Survey Challenge

There are numerous reasons for my selection. Firstly I consider that by selecting the Vehicle Challenge I am able to provide a good exposure of my coding skills by showing usage of different data structures and generics.

Moreover, I am also attracted to handle large quantities of data and face performance related challenges and even better if it is related to statistics as I consider myself as puzzle solver. I immediately thought about speeding expiation notices, which as a curious fact, is included in the solution.

For this challenge I am using a -package per feature- solution where I segmented the problem as:

- Loading data
- Building records
- Processing and Printing results.

My Design contemplates a hierarchical composition of a model Record, where business logic is taken care whilst building a single data-structure, which contains the processed data, divided by days. In addition, the solution contemplates the possibility of displaying the results with unlimited restrictions of time intervals, whilst keeping the structure in memory.