Peer-graded Assignment: Documenting Code

Submit by Sep 23, 3:59 AM ART

Important Information
It is especially important to submit this assignment before the deadline, Sep 23, 3:59 AM ART, because it must be graded by others. If you submit late, there may not be enough classmates around to review your work. This makes it difficult - and in some cases, impossible - to produce a grade. Submit on time to avoid these risks.

Instructions

My submission

Discussions

The purpose of this assessment is to document some R functions using roxygen2 style comments that would eventually be translated into R documentation files. For this assignment you do NOT need to build an entire package nor do you need to write any R code. You only need to document the functions in the supplied R script. The script containing the functions you need to document is here:

fars_functions.R

The functions should be documented in the script file itself. Do not create a new script file. Once you have written the documentation, you can upload the entire script file, including the code and the documentation all together.

The functions provided for you in this assignment will be using data from the US National Highway Traffic Safety Administration's Fatality Analysis Reporting System, which is a nationwide census providing the American public yearly data regarding fatal injuries suffered in motor vehicle traffic crashes. You can download the data for this assignment here:

fars_data.zip

Note that you are welcome to test the functions on the data if you want, but you do not have to. It should be possible to document the functions properly without necessarily executing the code in the script.

Review criteria less ^

The assignment will be graded based on how closely the documentation reflects the actual functioning of the code presented in the script file. In particular, you will be expected to document

- what each function does, in general terms;
- the function arguments (inputs);
- each function's return value;
- conditions that may result in an error;
- functions that need to be imported from external packages;