Assignment 0 - Writing R packages

Submit Assignment

Due Jan 23 by 11:30am   **Points** 10   **Submitting** a file upload

Available   after Jan 14 at 1:15pm

Create an R package, named quadsum815, which contains the source codes and documentations of the following R and Rcpp codes covered in the class.

1. quadsumR.r
2. quadsumS.r
3. quadsumT.r
4. quadsumC.cpp
5. quadsumB.cpp

All documentation of the source code must be made in roxygen2. Although basic documentations have been made, feel free to add more details.

The documentation about the package itself can be made directly by modifying relevant .Rd file and DESCRIPTION file. If you wish to use roxygen2 for documenting packages, you may also do so. (FYI, the instructor have tried to do so, but did not have a great success).

You need to submit a single file named quadsum815_1.0.tar.gz . The submitted file must satisfy the following evaluation criteria.

- install.package("/path/to/file/quadsum815_1.0.tar.gz",repos=NULL) should install the package successfully. You may want to check whether it works in an independent computer (such as scs.itd.umich.edu)
- After loading the library, help(quadsum815) should provide basic information about the package
- After loading the library, help([functionName]) should provide basic information about the five functions.