Biostat 561: Homework 7

Instructor: Amy Willis, Biostatistics, UW

November 9, 2017

Homework due November 21, 5 p.m.

No office hours on Tuesday 14 in honour of your 512 midterm the following day; new office hours Friday 17 at 3pm

Link to Homework 7 submission: `https://classroom.github.com/a/UgQFxilr`

Question 1: Make an R package

Submit all of the source code for an R package that does a nontrivial task. If you need inspiration, think of something that you've been annoyed about in another package and write your own implementation, or code up a statistical procedure that you've learnt in another class.

Your package should

- have at least one exported function
- have at least one non-exported function
- have appropriate documentation including at least one example
- require (and meaningfully use) another package
- have a `DESCRIPTION` file and a `NAMESPACE` file
- successfully build
- not throw any errors from `devtools::check()`

If you're an experienced R user, I encourage you to make a vignette, explore the correct format for submitting data with your package, or write unit tests using `testthat`.