Write an R function for *one* of your methods. You can choose which of your methods you want to write the function for, and I will write R functions for the remaining methods. You must inform me before Spring Break which methods I will be writing code for by submitting typed formulas or descriptions of those methods. What you submit to me to code will look much like what you provided me for Part 1 of the project (though you may need to fix up some of those methods to address my comments and/or concerns).

There are two parts to writing the R function for your chosen method.

1. I would like you to start this on your own. This may seem like a daunting task, but you will have several weeks to work through it.
   1. General Programming Guidelines:
      1. Understand the problem
      2. Work out a general idea of how to solve it (I typically map out my program on paper first)
      3. Translate your general idea into a detailed implementation by:
         1. Writing out the whole program in a small number (1-5) steps
         2. Expand each step into a small number of steps
         3. Keep going until you have a program
   2. Note that in the projects folder, I have placed a file containing the R code for the Cmax estimator I proposed in Part 1. You might find it helpful when writing your function.

1. Any time after March 4, your group can schedule an appointment with me to hash out any problems and get your program fully functioning. Before doing so, I will expect that you have made an honest attempt of trying to work on your program first. You may also email me R code to receive help with errors and such.

After your program is functioning, there will be several small pieces remaining of the project (one of which will be assigned when you submit your R function and will have a quick turnaround time). You will evaluate your method under several situations (which I will provide) and then apply your method by conducting a hypothesis test using the real data we collected. I anticipate that this project (with the exception of the write-up and presentation) will be finished sometime in early April.

Further, at any stage of the project before its final due date, you will be allowed to redo any part. If at some point you think of a better method, you can use it. If you notice a better (more efficient) way to program it…you can change it. This means that I will hold off grading the project until the final version needs to be in and you will just receive credit for completeness at each stage. However, I reserve the right to dock points if I feel that you have not made an honest effort on a current stage by its deadline.