

STA410/2102 (Statistical Computation), Fall 2007

Homework #0

Worth: One bonus point, i.e. an additional 1% to your final grade.

Due: In class by 6:10 p.m. **sharp** on Tuesday September 18. (If you prefer, you may bring your assignment to the instructor's office, Sidney Smith Hall room 6024, any time before it is due; slide it under the door if he is not in.)

Warning: **No late homeworks will be accepted!** Not even by one minute!

Note: Homework assignments are to be solved by each student individually. You may discuss assignments in general terms with other students, but you must solve it on your own, including doing all of your own computing and writing.

Include at the top of the page: Your name and student number.

The assignment:

1. Run R, either on CQUEST, or on the Statistics Department computers, or by installing it on the computer of your choice.
2. Use R to add up the digits of your student number.
3. Use R to compute each of " $2^{52} + 1 - 2^{52}$ ", and " $2^{53} + 1 - 2^{53}$ ".
4. Use R to verify at least one other (simple) computation from the first lecture.
5. Print out a copy of the interactive input and output from the above R computations, together with your NAME and STUDENT NUMBER, and bring it to class next week (remember, by 6:10 – no late assignments will be accepted!).