

STAT 7310 Section A01

Research Tools for Statistics

Fall 2015

Instructor Dave Gabrielson, et. al. **Time** MWF, 2:30 PM – 3:45 PM
323 Machray Hall **Location** 419 Machray Hall
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Office Hours Open drop in.
(or by appointment)

Web Pages

Statistics	http://umanitoba.ca/statistics
Cluster	http://bayes.stats.umanitoba.ca
Command line	http://cli.learncodethehardway.org/book/
Julia	http://julialang.org http://julia.readthedocs.org/en/latest/ http://forio.com/labs/julia-studio/tutorials/
LaTeX	http://en.wikibooks.org/wiki/LaTeX http://www.giss.nasa.gov/tools/latex/
R	http://www.r-project.org

Location and times may change from week to week.

Calendar Description

This course provides instruction in the use of a number of tools required for graduate level research in statistics. Topics include instruction in various software, such as LaTeX, R, SAS, etc. as well as Library usage, presentation and communication skills.

Evaluation

This course is evaluated on a Pass/Fail basis. You must complete and pass *all* given assignments and quizzes.

For purposes of this course, a “pass” is equivalent to a grade of “B” or better.

Deadlines & Extensions: All deadlines for this course are *hard deadlines*. Extensions for assignments *will not* be given. ***Failure to submit any assignment by its due date will result in failure for this course.*** Unless a specific time is given, assignments are due before 4:30 PM on their due date.

An instructor *may* request additional work be done for an assignment, in which case they will give an additional deadline for that work.

Submission by email: An instructor *may* ask for submission of assignments by email. After an instructor receives a submission by email, a confirmation of receipt will be sent back to the student. Until the student receives the confirmation, they should *not* assume the assignment has been submitted.

The *student* has the responsibility to ensure timely submission of assignments.

Course Content

Preliminary Schedule	
Week	Topic
0	First class on Friday, September 11 at 2:30 in 316 Machray
1	Introduction to R — A. Leblanc (STAT 4600)
2	Introduction to R — A. Leblanc (STAT 4600)
3	Command line and programming case studies
4	Basic \LaTeX
5	\LaTeX — math
6	Library skills — B. Poluha (Libraries)
7	\LaTeX — references & bibliographies
8	Beamer and presentations
9	More R
10	More R
11	TBA

Academic Dishonesty

It is important that you understand what constitutes academic dishonesty and that you are familiar with the very serious consequences. Links to resources that describe academic dishonesty (including plagiarism, cheating, inappropriate collaboration and examination impersonation; as well typical penalties) can be found at:

<http://umanitoba.ca/science/undergrad/resources/webdisciplinedocuments.html>.

See also:

http://umanitoba.ca/student/resource/student_advocacy/cheating_plagiarism_fraud.html.