

1-2014

STAT 458.01: Computer Data Analysis II - Statistical Methods Lab

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STAT 458 Statistical Methods Lab (Continuation), Spring of 2014

instructor: Mike O'Lear
[call me Mike]

email: m.olear@mso.umt.edu
[send assignments here]

email: 406-360-1995
[cell]

Office: MA 212 (UG Study Room)

office hrs: Tuesday 10-noon, 2-3PM
[also by prior appt.]

class time/room: Tues, 12 noon, MA 306

class web site URL: <http://www.math.umt.edu/olear/stat458/>

grading:

Attendance 30% of grade [you can miss 2 with no penalty]		A: 90% and above	D: 60-69%
Lab Reports 70% of grade [you can skip one with no penalty]		B: 80-89%	F: 59% and below
		C: 70-79%	

Course Material and Objectives:

The lab is primarily intended for students who are taking STAT 452, either concurrently with this lab or previously. We will utilize the statistical software "R" to conduct studies and investigate concepts learned in STAT 452.

You are expected to have either a working knowledge of R or have taken the previous semester, STAT 457, where we learned how to acquire a working knowledge of R. If you are not familiar with R, review the references I have posted on the web site, to get you quickly up to speed, and *feel free to visit with me for some 1-on-1 help*, either during office hours or other prearranged times, if needed. I also posted all of the labs from STAT 457 this past semester, which you can review.

All documents and reference material for this lab will be posted on our class web site, referenced above. You can access the web site by either directly typing in the URL, or by going on the U.M. Mathematical sciences web page and click on "classes with web pages".

Class Procedures:

Every week, as regular procedure, we will introduce the lab you are to accomplish and turn in before the next lab. This lab will have been posted, hopefully, on the class web site by Monday before the Tuesday lab, if you want to review it before entering lab hour (which I recommend that you do).

I usually give about a 10 minute introductory lecture to the topic of the week at the -1-

beginning of lab hour, and then cut you loose to do the lab. Feel free to ask any questions or seek help in lab or after with me, or you can work with other lab students, if that suits you. Remember that each student must submit his/her own lab report for grading, however. I don't want identical lab reports with different names on the top. My purpose in this lab is to have you grasp how to do various statistical procedures done in lecture with R. Any way you think this can be accomplished by me—feel free to make suggestions to me.

You will be graded on weekly typed up (in WORD .doc, not .docx) Lab Reports, which you will email me (see above for address) no later than the start of the following week's lab hour. I will grade them, out of 10 points, and return them to you by return email, hopefully within a week of me receiving them.

Policies Governing Student Petitions, Change of Grading Option and Incompletes

The following policies appear in more order and detail on the University of Montana Missoula's current online catalog (<http://www.umt.edu/catalog>) and are official policies of the Department of Mathematical Sciences. Adherence to them will greatly reduce the proliferation of student petitions. A sampling of the important points for our class is summarized below.

The student petition should be completely filled out including their "justification for request". Valid reasons for late drops or changes of grading option are given in **B** below. Also assigned is a grade of "WP" (withdrawal/passing) or "WF" (withdrawal/failing) even if the instructor recommends against approval. *Jon Graham will handle all of these requests for these kinds of issues in the lab.*

A. General Policies

- [1] Students are informed (on my syllabus) of my grading policies and these deadlines and given some evaluation of their performance before the November deadline mentioned above.
- [2] For students enrolled under the Credit/No Credit option to receive the grade of CR, the University requires that the student's letter grade must be D or better.
- [3] All courses taken to satisfy General Education Requirements must be taken for a traditional letter grade (A through F). These include the Mathematical Literacy Requirement (for which a minimum grade of C, or 2.00 quality points, is required) and the Symbolic Systems Requirement (see <http://www.umt.edu/catalog/acad/genreq/default.html>).

B. Grounds for approving petitions for late drops and change of grading option According to the University catalog (<http://www.umt.edu/catalog/acad/acadpolicy/default.html>), documented justification is required for dropping courses by petition. Some examples of documented circumstances that may merit approval are:

- The student registered for the course in error and never attended class;
- The student has missed, or will miss, a substantial number of class days due to an accident or illness;

- The student has missed, or will miss, a substantial number of class days due to a family emergency;
- A change in work schedule made it impossible for the student to continue in the course or to devote adequate study time to the course;
- The student received no class performance information from the instructor prior to the deadline.
- Other circumstances beyond the student's control.

According to Department policy, an approval for a late change of grading option (except Audit) or change of credit should also be based on one of the six reasons above. Department policy also asserts that these approvals are made ultimately at the instructors' discretion.

In any case, the following example reasons are **NOT** considered sufficient for approval:

- I want to protect my grade point average (GPA);
- I forgot to turn in my change slip;
- I need the change for financial aid considerations;
- I need the change because it affects eligibility to engage in sports.

Policy on Incomplete Grade:

The following University policy is set forth at

<http://www.umt.edu/catalog/acad/acadpolicy/default.html> in the current online catalog:

Incompletes may be given when, in the opinion of the instructor, there is a reasonable probability that students can complete the course without retaking it. The incomplete is not an option to be exercised at the discretion of students. In all cases it is given at the discretion of the instructor within the following guidelines:

- [1] A mark of incomplete may be assigned students when:
 - a. They have been in attendance and doing passing work up to three weeks before the end of the semester, **and**
 - b. For reasons beyond their control and which are acceptable to the instructor, they have been unable to complete the requirements of the course on time.
Negligence and indifference are **not** acceptable reasons.
- [2] The instructor sets the conditions for the completion of the course work and **notes these conditions on the final grade report.**
- [3] When a student has met the conditions for making up the incomplete, the instructor will assign a grade based upon an evaluation of the total work done by the student in the course.
- [4] An incomplete that is not made up within one calendar year automatically will revert to the **alternate grade which was assigned by the instructor at the time the incomplete was submitted.**
- [5] An incomplete remains on the permanent record and is accompanied by the final grade, for example, IA, IB, IC, etc.

Before giving a student an Incomplete, make sure that he or she understands the conditions for making up the incomplete.

Disability Services For Students:

This course is accessible to and usable by otherwise qualified students with disabilities. To request reasonable program modifications, please consult with the instructor (me). Disability Services for Students will assist the instructor and student in the accommodation process. For more information, visit the Disability Services website at <http://life.umt.edu/disability>.

Academic Misconduct:

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review at http://life.umt.edu/vpsa/student_conduct.php

Adding/Dropping the Course:

The last day to “add” is February 4 on Cyberbear. Visit the Registrar’s Office or visit <http://www.umt.edu/registrar/students/dropadd.aspx> to find relevant drop/add dates. Approval of drops or adds need to be routed/authorized by Jon Graham, not me.