Syllabus
STT 490-730
Directed Study of Statistical Problems, Machine Learning
Fall 2013
Online beginning 8-28-13.

Professor Raoul LePage
C428 Wells Hall
lepage@stt.msu.edu
Office hours Tu Th 11:30-1:00 C428 WH or by appt.

Course grade will be based on the 50-50 average of

(a) your homework average grade (all HW is graded to 4.0 scale);
(b) your average grade for three in-class closed book exams.

HW is due about every other week. Here are tentative dates for the
exams. Email me with your free times on these dates and inform
me of conflicts with these dates.

F September 20, 2013
F October 25, 2013
F November 22, 2013

This course will not have a comprehensive final examination.

There is no required textbook for this course. Notes and links to
course content will be posted to stt.msu.edu (follow the link to
Academics then to STT 490-730).

This course makes consistent use of freely available R computer
language. It is a good idea to get started right away with R. Home-
work assignments often take advantage of R.
http://www.r-project.org

RStudio incorporates R within a user interface having many nice features (e.g. with RStudio you may conveniently peruse several plots you have previously made). Caution: variants on the name RStudio are used by several other products so stick with the exact link below.

http://www.rstudio.com

My tutorials on R lead by example and supplement the core machine learning and statistical content.

Although you are likely to install R on you own computer (R is not yet available on PDA devices) become familiar with the use of R in MSU computer labs since you may need the lab to make late corrections or squeeze in some work when on campus without it.

In this the Year of Statistics many new opportunities and expansions, such as machine learning, are merging with statistical developments.

A second part of this syllabus reproduces relevant class information such as key dates, etc.