Syllabus- Spring 2016
Stat 502X Applied Modern Multivariate Statistical Learning

Instructor: Prof. Steve Vardeman
3022 Black Engineering
2212 Snedcor Hall
294-9068
vardeman@iastate.edu
Office Hours: MWF 10 AM

Assistant: Yinan Fang
2418 Snedcor
294-3440
yinanf@iastate.edu
Office Hours: TR 2 PM

Class Schedule: 2-3 MWF 1424 Molecular Biology (No Class M 1/18 and F 3/11)
Mid-Term Exam 7-9 PM Thursday March 10 (3105 Snedcor)
Final Exam 2:15-4:15 PM Wednesday May 4 (Location TBA)

Requirements: Regular Homework 30% of Course Grade
Mid-Term Exam 35% of Course Grade
Final Exam 35% of Course Grade

Course Coverage: Roughly that on the document

Books and Electronic Materials:

*Applied Predictive Modeling*, Kuhn and Johnson, Springer 2013
*An Introduction to Statistical Learning*, James, Witten, Hastie, and Tibshirani, Springer 2013
*The Elements of Statistical Learning*, Hastie, Tibshirani, and Friedman, Springer 2009

Modules/Slides at
Homework Policy:

You may ask Vardeman (or Yinan) for (limited) help with the assignments. And you may discuss the homework with fellow students. But each individual must independently write up his or her own assignments for turning in. This is an integrity issue. You must use your own words, symbols, and code. Do not copy what someone else has written and turn it in as your own. Each student will attach a cover sheet to each assignments with the following written out, signed, and dated in his or her own handwriting:

I have neither given nor received unauthorized assistance on this assignment.

Academic Honesty:

Prof. Vardeman and his Departments expect that all students will be honest in their actions and communications. Individuals suspected of committing academic dishonesty will be reported to the Dean of Students Office per University policy. For more information regarding Academic Misconduct see http://www.dso.iastate.edu/ja/academic/misconduct.html

Professionalism Statement:

Prof. Vardeman and his Departments expect that all students will behave in a professional manner during all interactions with fellow students, faculty, and staff. Treating others with respect and having constructive communications (including use of appropriate forms of address) are examples of being professional. Being prompt and considerate of your classmates and instructor in your coming and going are examples of being professional. Class is scheduled for 2:10-3:00. Prof. Vardeman will do his best to start and end promptly. Please do your part too. If you must (unavoidably) arrive late, please get in and into a seat with as little commotion as possible. If you are (unavoidably) going to have to leave early (even a couple minutes early), it is common courtesy to let your instructor know in advance, and then try to get out as unobtrusively as possible. A lecture (like a business meeting!) is not a salad bar where participants drift in and out as it suits them. We will practice civil/courteous/professional behavior in Stat 502X.
Texting or surfing the Web or using electronic games or communication devices, reading newspapers, doing puzzles, and carrying on extra-curricular conversations during lectures are all examples of unprofessional and completely unacceptable classroom conduct. Prof. Vardeman WILL stop class, make a scene, and potentially ask you to leave if you engage in such behavior. PLEASE do not precipitate such unpleasantness by ignoring this expectation of civil/considerate behavior. If you must send or receive a message during class, please leave the room as unobtrusively as possible to take care of this outside of the classroom.

Accommodation for Students with Disabilities:

Iowa State University complies with the Americans with Disabilities Act and Sect. 504 of the Rehabilitation Act. If you have a disability and anticipate needing accommodations in this course, please contact Prof. Vardeman to set up a meeting as soon as you become aware of your need. Before meeting with Prof. Vardeman, you will need to obtain a SAAR form with recommendations for accommodations from the Disability Resources Office, located in Room 1076 on the main floor of the Student Services Building. Their telephone number is 515-294-7220 or email disabilityresources@iastate.edu. Retroactive requests for accommodations will not be honored.

Dead Week:

This class follows the Iowa State University Dead Week guidelines as outlined in http://catalog.iastate.edu/academiclife/#deadweek.

Harassment and Discrimination:

Iowa State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment based upon race, ethnicity, sex (including sexual assault), pregnancy, color, religion, national origin, physical or mental disability, age, marital status, sexual orientation, gender identity, genetic information, or status as a U.S. veteran. Any student who has concerns about such behavior should contact his/her instructor, Student Assistance at 515-294-1020 or email dso-sas@iastate.edu, or the Office of Equal Opportunity and Compliance at 515-294-7612.

Religious Accommodation:

If an academic or work requirement conflicts with your religious practices and/or observances, you may request reasonable accommodations. Your request must be in writing, and your instructor or supervisor will review the request. You or your instructor may also seek assistance from the Dean of Students Office or the Office of Equal Opportunity and Compliance.
Contact Information:

If you are experiencing, or have experienced, a problem with any of the above issues, email academicissues@iastate.edu.