Statistics 6450: Applied Regression Analysis

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Office Hours: Tuesday and Wednesday from 1:30 - 2:30 pm; other times by appointment
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Prerequisites: Statistics 521, 6201 or equivalent.

Course Format: Four 55-minute lectures.

Course Requirements: You are responsible for all material covered in class. As the course name suggests, this is an applied course and you will be required to apply the concepts learnt in class to real world data-sets. This, however, does not preclude the need for a sound theoretical foundation underlying the methodologies. You will be responsible for all proofs and derivations done in class.

Grading scheme and policy:

- Homework: 35%
- Midterm: 20%
- Project: 20%
- Final: 25%

I intend to assign approximately 6 to 7 homeworks over the course of the semester. No late homeworks will be accepted. You will be required to do a project for the course which will encompass several of the concepts learnt during the semester. Details of the project will be discussed in class.

Academic Misconduct: You are expected to produce independent work for homeworks and exams. Academic misconduct of any sort will not be tolerated.

Remarks: Computing will play a significant role in this course. In class, I will use R and Minitab to demonstrate ideas. You are free to use any software/language/package of your preference in doing the homeworks; you will however be responsible for submitting all the required plots, figures, tables etc. as required.

Good luck and enjoy the semester!