University of California, Davis  
Department of Statistics  
Spring 2011

STA 108  
Applied Linear Models: Regression Analysis

Lecture:  
MWF 1:10-2:00pm, Haring 1227  
R 9:00-9:50am, Haring 1204  
R 3:10-4:00pm, Wellman 212

Instructor:  
Rahman Azari  
4226 MSB  
azari@wald.ucdavis.edu

Office Hours:  
MWF 4:10-5:00pm,  
or by appointment

Office Hours:  
M 10:00-11:50am

Office Hours:  
F 3:10-5:00pm

Teaching Assistants:  
Wanli Qiao  
1226 MSB

wqiao@ucdavis.edu

Hui Wang  
1210 MSB

hiwang@ucdavis.edu

Text:  
Applied Linear Statistical Methods, (5th Ed.) by Kutner, Nachtsheim, Neter, and Li

Materials to be covered:

- Simple Linear Regression Analysis  
  Chapter 1
- Inferences in Regression Analysis  
  Chapter 2
- Regression Diagnostics  
  Chapter 3
- Simultaneous Inferences  
  Chapter 4

MIDTERM I  
Friday, April 22

Matrix Approach to Simple Regression  
Chapter 5
Multiple Regression  
Chapter 6, 7

MIDTERM II  
Friday, May 13

Regression Models with Qualitative Predictors  
Chapter 8
Building Regression Models  
Chapter 9, 10, 11

FINAL EXAM  
Thursday, June 9  
1:00-3:00pm

Homework:  
Homework problems will be assigned on a weekly basis.  
Late homework will not be accepted.

Midterm:  
There will be two midterm examinations each with a take home project.  
No make up exam will be given.

Grading:  
MIDTERM I, II 20% (each)  
FINAL 35%  
PROJECT 10%  
HOMEWORK 15%

Webpage:  
http://www.stat.ucdavis.edu/~azari/sta108/