



STATISTICS SEMINAR



Consulting Reports

January 25, 2006

4:00 p.m.

Bluemont 112

Refreshments will be served at 3:30 p.m. - Dickens 108

Ray McCubrey

Accuracy of Blood Pressure Measurements During Phenylephrine Induced Hypertension in Dogs

There is considerable debate amongst medical researchers as how to approach the problem of agreement between two medical devices measuring the same quantity. In this case, each dog's blood pressure were measured using various methods, and I will describe, what I thought, was a good approach to model the agreement between these methods.

Zhongwen Tang

Tips for working in the consulting lab

I worked in the consulting lab last semester. I'm also working as a research assistant in plant pathology. I will talk about some tips to survive the consulting lab. Especially my talk targets new comers in the consulting lab. I hope my talk could help them better prepared for a consulting job.

Sam Wilson

Lessons Learned and Problems Encountered in Consulting

A K-State veterinary scientist compiled a list of 90 predictors and 73 observations in order to model the survivability of mares and foals. Data mining and logistic regression were utilized in an effort to analyze the data. Problems encountered included: significant amounts of missing data, data formatting, lack of replication, and multicollinearity. Research at K-State also encompasses dose-response modeling which, during the consulting semester, posed significant questions of nonlinear regression, software usage, and graphing techniques.

** Upcoming seminars may also be found on the web at: <http://www.ksu.edu/stats/current.seminars/nav.currentseminars.html>.