

# 36-315: Statistical Graphics and Visualization

**Homework 14**

**Date: April 23, 2003**

**Due: start of class April 28, 2003**

---

1. In this problem, you will elaborate on lab 14, suitable for use in your project.
  - (a) Using the relevant variables found in lab and the predictors you chose earlier, make a regression projection colored by the response. If the response groups overlap too much, try more predictors.
  - (b) Out of all the possible contour plots using these predictors, pick one which shows a strong and interesting interaction. Explain the interaction in terms of how the strength of the predictors varies (see handout 16).
  - (c) Describe a detail of this particular contour plot that cannot be seen in the pairwise scatterplots.