

**Meeting:** 1003, Atlanta, Georgia, MAA CP L1, MAA Session on Using Real-World Data to Illustrate Statistical Concepts, I

1003-L1-1449      **Robin H Lock\*** (rlock@stlawu.edu), Dept. of Math, CS & Stat, St. Lawrence University,  
Canton, NY 13617. *Used Car Regressions.*

We describe a series of student projects that illustrate ideas of simple and multiple regression using models to predict the prices of used cars. Each student chooses a specific car model (e.g. Ford Mustang) and collects his or her own data from one of the many internet websites advertising used cars. Along with asking price, students record the age of the car and mileage. As we move through topics in the course (single predictors, polynomial models, multiple predictors, indicator variables, etc.) students apply the increasingly more sophisticated models and diagnostics to their original car data. This allows each student to work on his/her own unique data set, while the instructor can assume certain similarity and consistency in how the models will behave. (Received October 05, 2004)