Homework 3: Binary Choice Models-Heteroscedastic Probit

Run a heteroscedasitc probit model using the file econ.teaching.dta, available from my website. Compare the results to a standard binary probit model and discuss the implications of potentially mis-specifying this model.

The data in the file econ.teaching were used by Spector and Mazzeo (1980)to analyze the effectiveness of a new system of teaching economics, called PSI. The data comprise the following variables:

- grade 1 if the student's grade on examination improved after exposure to PSI, 0 otherwise.
- GPA Student's grade point average.
- TUCE Score on a pretest indicating entering knowledge of the material.
- PSI 1 if student was exposed to the new teaching method, 0 otherwise.

Bonus question Install relogit from Gary King's website and run a rare events logit model using the data rare.events.dta, available from my website. Run a regular logit model and compare/discuss the results of the two models.