

**BOSTON COLLEGE**  
**Department of Economics**  
**EC771: Econometrics**  
**Spring 2004**  
**Prof. Baum, Ms. Uysal**

PROBLEM SET 6: DUE THURSDAY 22 APRIL 2004 AT CLASSTIME

All references to Greene, 5th ed., 2003.

1. Problem 10.1
2. Problem 10.8
3. Problem 11.1
4. With the Stata data set

use <http://fmwww.bc.edu/ec-p/data/wooldridge/vote1.dta>

a. Estimate a model with `voteA` as the dependent variable and `prtystrA`, `democA`, `log(expendA)` and `log(expendB)` as independent variables. Compute the Breusch–Pagan statistic for heteroskedasticity (hint: `findit bpagan`).

b. Compute both the general White test and the special form of the White test for heteroskedasticity (hint: `findit whitetst`). What are your conclusions from these tests?

5. Problem 12.1
6. Problem 12.5, using

use <http://fmwww.bc.edu/ec-p/data/greene2003/tableF5-1.dta>