

Exercise 6
QuantII
Due: March 5, 2008

Exercises on event counts, part II

(From last week: Use `zorn.sc.dta`, data provided by Chris Zorn for the number of amicus curiae briefs filed in 7000 some odd cases, 1953-1985. `term` is the year of term (53 to 85, which is just a linear trend variable) and `civlib` is a dummy for whether the case involved civil liberties. Assuming the data are Poisson, estimate the ml estimates for a model of briefs on `term` and type of case.)

1. Run the same model using `nbreg` in Stata. How do the results differ?

(Challenge problem: write a negative binomial likelihood and use it in your Mata ml routine)

2. Using Stata (and clarify where you can), for a year in the middle of the term how much does being a civil liberties case increase the number of brief? Do by hand for the expected difference for both models, use `clarify` to get a confidence interval for the poisson case.