

Basics for STATA 8

1. General command

- **cd** d:\demo
- **clear**
- **set memory** 30m
- **set more** off
- **help** regress
- **search** table
- **findit** gini

2. Input

- **infile** famid sex age edu **using** file.dat
- **infix** famid 1-3 sex 11 age 12-14 edu 20-21 **using** fix.dat
- **insheet using** sheet.csv
- **use** file1.dta

3. Process

- +, -, *, /, &, |, ~, ==, =, >=, <=
- **summarize**
- **tabulate** edu
- **rename** famid id
- **label var** id "family id"
- **generate** college=1 **if** edu>= 8
- **list** edu college
- **replace** college=0 **if** college==.
- **tabulate** edu college
- **sort** sex
- **by** sex : **tabulate** college
- **sort** id
- **generate** pn=1 **if** id~=id[_n - 1]
- **replace** pn=pn[_n - 1]+1 **if** id==id[_n - 1]
- **recode** sex 2=0
- **egen** male=**sum**(sex), **by**(id)

- **keep** id pn age sex edu
- **drop** sex
- **reshape wide** age edu, **i**(id) **j**(pn)
- **reshape long** age edu, **i**(id) **j**(pn)
- **drop if** age==.
- **collapse** (mean) age, **by**(id)
- **merge id using** file2.dta
- **append using** file3.dta

4. Regression

- **use** file1, clear
- **regress** edu sex **if** age>=25, noconstant robust
- **predict** xb, xb
- **probit** college sex **if** age>=25

5. Output

- **outfile** famid pn sex age **using** out.dat, replace
- **save** out,replace
- **log using** test.log, replace
- **log close**

6. Batch mode

- **do** test.do
- do in *.do file

7. Graph

- **use** schyr, clear
- **twoway line** schyr bthyr **if** sex==1 & eth==1
- **sort** sex bthyr
- **twoway line** schyr btyhr **if** eth==1, **by**(sex)

8. Programming

- Macros
- MLE