

Basics for STATA 8

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Outline

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Programming

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General Command

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

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

Process

- $+$, $-$, $*$, $/$, $\&$, $|$, $\sim=$, $==$, $=$, $>=$, $<=$
- **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 \sim =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

Regression

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

Output

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

Batch Mode

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

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)

Programming

- Macros
- MLE