Stata Syntax for Section 4.4.1, Chapter 4

Section 4.4.1

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// Chapter 4 Illustrating Example 1 (treatreg, etregress)

/\* Note that the command -treatreg- has been renamed to -etregress- since version 13.

 Even though, -treatreg- still works as -etregress- does.

 If you want to learn more about this command, type "help etregree" in the command window rather than "help treatreg".\*/

cd "D:\psa\_e2\Chapter4\data"

clear

use chpt4\_1, replace

rename bc3\_ept external3

rename bc3\_ipt internal3

treatreg external3 black hispanic natam chdage2 chdage3 ra, ///

 treat(aodserv=cgrage1 cgrage2 cgrage3 high bahigh ///

 employ open sexual provide supervis other cra47a ///

 mental arrest psh17a cidi cgneed)

treatreg internal3 black hispanic natam chdage2 chdage3 ra, ///

 treat(aodserv=cgrage1 cgrage2 cgrage3 high bahigh ///

 employ open sexual provide supervis other cra47a ///

 mental arrest psh17a cidi cgneed)

//To request nonselection hazard or inverse Mills' ratio

treatreg external3 black hispanic natam chdage2 chdage3 ra, ///

 treat(aodserv=cgrage1 cgrage2 cgrage3 high bahigh ///

 employ open sexual provide supervis other cra47a ///

 mental arrest psh17a cidi cgneed) hazard(h1)

list h1 in 1/10

summarize h1

//To check saved statistics

treatreg external3 black hispanic natam chdage2 chdage3 ra, ///

 treat(aodserv=cgrage1 cgrage2 cgrage3 high bahigh ///

 employ open sexual provide supervis other cra47a ///

 mental arrest psh17a cidi cgneed)

ereturn list

//bivariate t-test

ttest external3, by(aodserv)

ttest internal3, by(aodserv)

//regression control

regress external3 aodserv black hispanic natam chdage2 chdage3 ra ///

 cgrage1 cgrage2 cgrage3 high bahigh ///

 employ open sexual provide supervis other cra47a ///

 mental arrest psh17a cidi cgneed

regress internal3 aodserv black hispanic natam chdage2 chdage3 ra ///

 cgrage1 cgrage2 cgrage3 high bahigh ///

 employ open sexual provide supervis other cra47a ///

 mental arrest psh17a cidi cgneed

//Sample description

gen race=1

replace race=2 if black==1

replace race=3 if hispanic==1

replace race=4 if natam==1

gen age=3

replace age=1 if chdage2==1

replace age=2 if chdage3==1

gen cgedu=1

replace cgedu=2 if high==1

replace cgedu=3 if bahigh==1

gen mtype=1

replace mtype=2 if sexual==1

replace mtype=3 if provide==1

replace mtype=4 if supervis==1

replace mtype=5 if other==1

gen cgage=4

replace cgage=1 if cgrage1==1

replace cgage=2 if cgrage2==1

replace cgage=3 if cgrage3==1

tab race aodserv, row col chi2

tab age aodserv, row col chi2

tab ra aodserv, row col chi2

tab cgage aodserv, row col chi2

tab cgedu aodserv, row col chi2

tab employ aodserv, row col chi2

tab open aodserv, row col chi2

tab mtype aodserv, row col chi2

tab cra47a aodserv, row col chi2

tab mental aodserv, row col chi2

tab arrest aodserv, row col chi2

tab psh17a aodserv, row col chi2

tab cidi aodserv, row col chi2

tab cgneed aodserv, row col chi2

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