Stata Syntax for Section 7.3.1, Chapter 7

Stata Syntax for Section 7.3.1

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//Chapter 7 Section 7.3.1

//propensity score weighting

cd "D:\psa\_e2\Chapter7\data"

set more off

//Merge data to include p-score created previously

use chpt5\_2\_original,replace

sort kid

save chpt5\_2\_original,replace

use chpt5\_2ps, replace

sort kid

merge kid using chpt5\_2\_original

//Create various types of weights

gen ate\_w=1/(1-ps) if kuse==0

replace ate\_w=1/ps if kuse==1

gen att\_w=ps/(1-ps) if kuse==0

replace att\_w=1 if kuse==1

//PSW

regress lwss97 male black age97 pcged97 mratio96 kuse [pweight=ate\_w], robust cluster(pcg\_id)

regress lwss97 male black age97 pcged97 mratio96 kuse [pweight=att\_w], robust cluster(pcg\_id)

//Checking imbalance

logistic male kuse [pweight=ate\_w], coef robust cluster(pcg\_id)

logistic male kuse [pweight=att\_w], coef robust cluster(pcg\_id)

logistic black kuse [pweight=ate\_w], coef robust cluster(pcg\_id)

logistic black kuse [pweight=att\_w], coef robust cluster(pcg\_id)

regress age97 kuse [pweight=ate\_w], robust cluster(pcg\_id)

regress age97 kuse [pweight=att\_w], robust cluster(pcg\_id)

regress pcged97 kuse [pweight=ate\_w], robust cluster(pcg\_id)

regress pcged97 kuse [pweight=att\_w], robust cluster(pcg\_id)

regress mratio96 kuse [pweight=ate\_w], robust cluster(pcg\_id)

regress mratio96 kuse [pweight=att\_w], robust cluster(pcg\_id)

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