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\*

\*PROGRAM: C:\MEPS\STATA\PROG\EXERCISE8.do

\*

\*DESCRIPTION: THIS PROGRAM ILLUSTRATES HOW TO POOL MEPS LONGITUDINAL DATA FILES FROM DIFFERENT PANELS

\* THE EXAMPLE USED IS PANEL 16, 17, AND 18 POPULATION AGE 26-30 WHO ARE UNINSURED BUT HAVE HIGH INCOME

\* IN THE FIRST YEAR

\*

\* DATA FROM PANEL 15, 16, AND 17 ARE POOLED.

\*

\*INPUT FILE: (1) C:\MEPS\STATA\DATA\H172.dta (PANEL 18 LONGITUDINAL FILE)

\* (2) C:\MEPS\STATA\DATA\H164.dta (PANEL 17 LONGTTUDIANL FILE)

\* (3) C:\MEPS\STATA\DATA\H156.dta (PANEL 16 LONGITUDINAL FILE)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

clear

set more off

capture log close

/\*log using c:\meps\stata\prog\exercise8.log, replace

cd c:\meps\stata\data\*/

log using \\files.s-3.com\HPDA\AHRQ\Fang\bj001\exercise8.log, replace

cd \\files.s-3.com\HPDA\AHRQ\Fang\bj001

// pool three panels of data to get sufficient sample size

use dupersid inscovy1 inscovy2 longwt varstr varpsu povcaty1 agey1x panel using h172

tempfile panel18

save "`panel18'"

use dupersid inscovy1 inscovy2 longwt varstr varpsu povcaty1 agey1x panel using h164

tempfile panel17

save "`panel17'"

use dupersid inscovy1 inscovy2 longwt varstr varpsu povcaty1 agey1x panel using h156

append using "`panel18'" "`panel17'"

gen poolwt=longwt/3

gen subpop=(agey1x>=26 & agey1x<=30 & inscovy1==3 & povcaty1==5)

label define insf -1 "NA" 1 "1 Any private" 2 "2 Public only" 3 "3 Uninsured"

label define povcat 1 "1 Poor/negative" 2 "2 Near poor" 3 "3 Low income" 4 "4 Midlle income" 5 "5 High income"

label value inscovy1 inscovy2 insf

label value povcaty1 povcat

tab1 agey1x inscovy1 inscovy2 povcaty1 panel if subpop==1

tab subpop

summarize if subpop==1

tabmiss

svyset [pweight=poolwt], strata( varstr) psu(varpsu) vce(linearized) singleunit(missing)

// weighted estimate on totslf for combined data w/age=26-30, uninsured whole year, and high income

// in the first year

svy, subpop(subpop): tabulate inscovy2, cell se obs

log close

exit, clear

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name: <unnamed>

log: \\files.s-3.com\HPDA\AHRQ\Fang\bj001\exercise8.log

log type: text

opened on: 22 Feb 2017, 14:53:08

. cd \\files.s-3.com\HPDA\AHRQ\Fang\bj001

\\files.s-3.com\HPDA\AHRQ\Fang\bj001

.

. // pool three panels of data to get sufficient sample size

. use dupersid inscovy1 inscovy2 longwt varstr varpsu povcaty1 agey1x panel using h172

. tempfile panel18

. save "`panel18'"

file C:\Users\ggrodsky\AppData\Local\Temp\ST\_04000001.tmp saved

.

. use dupersid inscovy1 inscovy2 longwt varstr varpsu povcaty1 agey1x panel using h164

. tempfile panel17

. save "`panel17'"

file C:\Users\ggrodsky\AppData\Local\Temp\ST\_04000002.tmp saved

.

. use dupersid inscovy1 inscovy2 longwt varstr varpsu povcaty1 agey1x panel using h156

.

. append using "`panel18'" "`panel17'"

.

. gen poolwt=longwt/3

. gen subpop=(agey1x>=26 & agey1x<=30 & inscovy1==3 & povcaty1==5)

. label define insf -1 "NA" 1 "1 Any private" 2 "2 Public only" 3 "3 Uninsured"

. label define povcat 1 "1 Poor/negative" 2 "2 Near poor" 3 "3 Low income" 4 "4 Midlle income" 5 "5 H

> igh income"

. label value inscovy1 inscovy2 insf

. label value povcaty1 povcat

.

. tab1 agey1x inscovy1 inscovy2 povcaty1 panel if subpop==1

-> tabulation of agey1x if subpop==1

AGE AS OF |

12/31/11 |

(EDITED/IMP |

UTED) | Freq. Percent Cum.

------------+-----------------------------------

26 | 21 22.34 22.34

27 | 17 18.09 40.43

28 | 24 25.53 65.96

29 | 15 15.96 81.91

30 | 17 18.09 100.00

------------+-----------------------------------

Total | 94 100.00

-> tabulation of inscovy1 if subpop==1

HEALTH |

INSURANCE |

COVERAGE |

INDICATOR 11 | Freq. Percent Cum.

--------------+-----------------------------------

3 Uninsured | 94 100.00 100.00

--------------+-----------------------------------

Total | 94 100.00

-> tabulation of inscovy2 if subpop==1

HEALTH |

INSURANCE |

COVERAGE |

INDICATOR 12 | Freq. Percent Cum.

--------------+-----------------------------------

1 Any private | 17 18.09 18.09

2 Public only | 5 5.32 23.40

3 Uninsured | 72 76.60 100.00

--------------+-----------------------------------

Total | 94 100.00

-> tabulation of povcaty1 if subpop==1

FAMLY INC AS % |

OF POVERTY |

LINE-CATEGO 11 | Freq. Percent Cum.

----------------+-----------------------------------

5 High income | 94 100.00 100.00

----------------+-----------------------------------

Total | 94 100.00

-> tabulation of panel if subpop==1

PANEL |

NUMBER | Freq. Percent Cum.

------------+-----------------------------------

16 | 31 32.98 32.98

17 | 41 43.62 76.60

18 | 22 23.40 100.00

------------+-----------------------------------

Total | 94 100.00

. tab subpop

subpop | Freq. Percent Cum.

------------+-----------------------------------

0 | 53,055 99.82 99.82

1 | 94 0.18 100.00

------------+-----------------------------------

Total | 53,149 100.00

. summarize if subpop==1

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

dupersid | 0

panel | 94 16.90426 .7487502 16 18

agey1x | 94 27.89362 1.402518 26 30

povcaty1 | 94 5 0 5 5

inscovy1 | 94 3 0 3 3

-------------+---------------------------------------------------------

inscovy2 | 94 2.585106 .7816384 1 3

longwt | 94 18800.07 17577.64 2469.102 103511.6

varpsu | 94 1.765957 .6944563 1 3

varstr | 94 1080.234 52.86673 1003 1165

poolwt | 94 6266.689 5859.213 823.0341 34503.88

-------------+---------------------------------------------------------

subpop | 94 1 0 1 1

. tabmiss

Variable | Obs Missings Feq.Missings NonMiss Feq.NonMiss

-------------+---------------------------------------------------------------

dupersid | 53149 0 0 53149 100

panel | 53149 0 0 53149 100

agey1x | 53149 0 0 53149 100

povcaty1 | 53149 0 0 53149 100

inscovy1 | 53149 0 0 53149 100

inscovy2 | 53149 0 0 53149 100

longwt | 53149 0 0 53149 100

varpsu | 53149 0 0 53149 100

varstr | 53149 0 0 53149 100

poolwt | 53149 0 0 53149 100

subpop | 53149 0 0 53149 100

.

. svyset [pweight=poolwt], strata( varstr) psu(varpsu) vce(linearized) singleunit(missing)

pweight: poolwt

VCE: linearized

Single unit: missing

Strata 1: varstr

SU 1: varpsu

FPC 1: <zero>

.

. // weighted estimate on totslf for combined data w/age=26-30, uninsured whole year, and high income

. // in the first year

. svy, subpop(subpop): tabulate inscovy2, cell se obs

(running tabulate on estimation sample)

Number of strata = 62 Number of obs = 24,203

Number of PSUs = 144 Population size = 129,988,880

Subpop. no. obs = 94

Subpop. size = 589,068.7491

Design df = 82

----------------------------------------------

HEALTH |

INSURANCE |

COVERAGE |

INDICATOR |

12 | proportion se obs

----------+-----------------------------------

NA | 0 0 0

1 Any pr | .1729 .0531 17

2 Public | .0641 .0353 5

3 Uninsu | .763 .0603 72

|

Total | 1 94

----------------------------------------------

Key: proportion = cell proportion

se = linearized standard error of cell proportion

obs = number of observations

Table contains a zero in the marginals.

Statistics cannot be computed.

Note: 103 strata omitted because they contain no subpopulation members.

.

. log close

name: <unnamed>

log: \\files.s-3.com\HPDA\AHRQ\Fang\bj001\exercise8.log

log type: text

closed on: 22 Feb 2017, 14:57:45

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