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1 *****
2 * A Practical Guide to Using Panel Data
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4 * ISER, University of Essex
5 * Chapter 7
6 *****
7
8 version 12
9 clear all
10 set more off
11 capture log close
12
13 cd "C:\My Documents"
14
15 global datadir "S:\final"
16 global dirresults "C:\My Documents\"
17
18 log using "$dirresults\Example_Chapter7.log", replace
19
20
21 * Section 7.2.6
22 *-----
23
24 use pid rhid rpno rxrwtk1 rsex rpaygu rage rregion2 rmemorig raidxhh ///
25     using "$datadir/rindresp", clear
26 renpfix r
27
28 recode paygu -9/-1=.
29 recode sex -9/-1=.
30
31 mean paygu
32 mean paygu [pweight = xrwtk1]
33
34 save temp, replace
35
36
37 * Section 7.3.2
38 *-----
39
40 use rhid rpsu rstrata using "$datadir/rhhsamp", clear
41 renpfix r
42 merge 1:m hid using temp
43 drop if _merge==1
44
45 svyset psu [pweight = xrwtk1], strata(strata)
46 svy: mean paygu
47
48 replace psu = hid if memorig == 7
49
50 svyset psu [pweight = xrwtk1], strata(strata)
51 svy: mean paygu
52
53 svy: mean paygu, over(sex)
54 test [paygu]female = [paygu]male
55
56 svy, subpop(if sex == 1): mean paygu
57 svy, subpop(if sex == 2): mean paygu
58
59
60 erase temp.dta
61
62 log close
63 exit
64

```