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1 *****
2 * "Widening Political Inequality in Japan
3 * during the 'Lost Two-Decades'"
4 * STATA do file
5 *
6 * (c)2018 by Yoshitaka Nishizawa
7 *****.
8
9
10 cd "/Users/ynishiza2017/Desktop/DLR1803_Inequality_Nishizawa"
11
12 /* ssc install coefplot, replace */
13
14 use "jes2thu4-forVoteModelwithLimitedIVs.dta" , clear
15 gen m9610=m9307 - 39
16 tab m9610
17 gen y9610=m9610/12
18 tab y9610
19
20 /* dummies for inc361 */
21 gen bot30=inc361
22 recode bot30 (1=1)(2 3=0)
23 tab bot30 inc361
24 gen mid60=inc361
25 recode mid60 (2=1)(1 3=0)
26 tab mid60 inc361
27 gen top10=inc361
28 recode top10 (3=1)(1 2=0)
29 tab top10 inc361
30
31 /*****/
32 /* Fig 3: DV=vpr4 */
33 /*****/
34 set more off
35 mlogit vpr4 welfAB libcon lif1 class5 efc1 efc4 ///
36         tmLDP tmDPJ female age educ income y9610
37 estimates store x1
38 coefplot x1, drop(_cons) xline(0)
39
40 /*****/
41 /* Footnote 16: Cheking for interaction effect of welfAB and
42 income */
43 /*****/
44 gen welfAB_income=welfAB * income
45 set more off
46 mlogit vpr4 welfAB libcon lif1 class5 efc1 efc4 ///
47         tmLDP tmDPJ female age educ income welfAB_income y9610
48 estimates store x2
49 coefplot x2, drop(_cons) xline(0)
50
51 /*****/
52 /* Fig 4: Vote Pro. by income */

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52  /*****/
53  set more off
54  mlogit vpr4 welfAB libcon lif1 class5 efc1 efc4 ///
55      tmLDP tmDPJ female age educ income y9610
56  predict ldp, o(1)
57  predict dpj, o(2)
58  predict oth, o(3)
59
60  graph twoway ///
61      (lfitci ldp income, lcolor(black) bcolor(bluishgray)) ///
62      (lfitci dpj income, lpattern(dash) lcolor(black) bcolor(
63      bluishgray)) ///
64      (lfitci oth income, lpattern(shortdash) lcolor(black) bcolor(
65      bluishgray)), ///
66      ytitle("Prob voting") ///
67      ylabel(0(.2)1, grid) ///
68      xtitle(income) ///
69      xlabel(0(500)3000) ///
70      legend(order (2 "For LDP" 4 "For DPJ" 6 "for Other") cols(1) )
71  /*****/
72  /* Fig 5: welfAB as DV */
73  /*****/
74  reg welfAB libcon lif1 class5 efc1 efc4 ///
75      tmLDP tmDPJ female age educ income y9610
76  coefplot, drop(_cons) xline(0)
77  /*****/
78  /* Footnote 17: Checking for non-linear effect of income */
79  /*****/
80  gen income2=income*income
81  set more off
82  reg welfAB libcon lif1 class5 efc1 efc4 ///
83      tmLDP tmDPJ female age educ income income2 y9610
84  coefplot, drop(_cons) xline(0)
85
86  gen Log_income=log(income)
87  set more off
88  reg welfAB libcon lif1 class5 efc1 efc4 ///
89      tmLDP tmDPJ female age educ Log_income y9610
90  coefplot, drop(_cons) xline(0)
91
92  /*****/
93  /* Footnote 18: Model with election year dummies */
94  /*****/
95  tab m9610
96  gen shu96=0
97  replace shu96=1 if m9610==1
98  tab shu96
99  gen shu03=0
100 replace shu03=1 if m9610==85
101 tab shu03

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102  gen san04=0
103  replace san04=1 if m9610==94
104  tab san04
105  gen shu05=0
106  replace shu05=1 if m9610==108
107  tab shu05
108  gen san07=0
109  replace san07=1 if m9610==131
110  tab san07
111  gen shu09=0
112  replace shu09=1 if m9610==155
113  tab shu09
114  gen san10=0
115  replace san10=1 if m9610==165
116  tab san10
117
118  set more off
119  mlogit vpr4 welfAB libcon lif1 class5 efc1 efc4 ///
120          tmLDP tmDPJ female age educ income                ///
121          shu03 san04 shu05 san07 shu09 san10
122  estimates store x3
123  coefplot x3, drop(_cons) xline(0)
124
125  /* End of File */
126
127
128
```