



C:\Users\wonja\Documents\GitHub\14.320

```

1 .
2 . *****
> ***
3 . * Problem B.2.(b)i.
4 . *****
> ***
5 .
6 .
7 . /* Step #1 */
8 . /* Generate the original published table using Table1_summarystats_May30_2010
> .do file */
9 .
10 .
11 .      *Tyler Williams
12 .      *5/30/2010
13 .      *This file uses datasets created by OK_gradesupdater_Feb5_2010.do
14 .      *It outputs summary statistics by treatment status, gender, and year
15 .
16 .      *Set stata options
17 .      clear
18 .
19 .      set more off
20 .      set mem 200m
set memory ignored.
Memory no longer needs to be set in modern Stata; memory adjustments are
performed on the fly automatically.
21 .      cd "C:\Users\wonja\Documents\GitHub\14.320"
C:\Users\wonja\Documents\GitHub\14.320
22 .      /* LOAD THE INDIVIDUAL LEVEL GRADE AND ADMINISTRATIVE DATA */
23 .
24 .      use OKgradesUpdate_Feb5_2010, clear
25 .
26 .      /* CREATE A FEW VARIABLES */
27 .
28 .      gen C = 1-T
29 .
30 .      gen s_second_year = 1-s_first_year
31 .
32 .      /* CHANGE COLLEGE GRAD/HIGH SCHOOL GRAD VARIABLES TO INCLUDE THOSE WI
> TH HIGHER DEGREES */
33 .
34 .      replace s_motherhsdegree = 1 if s_mothercolldegree==1 | s_mothergradd
> egree==1
(566 real changes made)
35 .      replace s_fatherhsdegree = 1 if s_fathercolldegree==1 | s_fathergradd
> egree==1
(698 real changes made)
36 .      replace s_mothercolldegree = 1 if s_mothergraddegree==1
(109 real changes made)

```

```
37 .      replace s_fathercolldegree = 1 if s_fathergraddegree==1
      (221 real changes made)
```

```
38 .
39 .      /* GENERATE CONTROLS HYPOTHETICAL EARNINGS VARIABLES */
40 .
41 .      gen controlswhoearned = gradeover702008 if T==0
      (450 missing values generated)
```

```
42 .      gen controlsearnings = earnings2008 if T==0
      (450 missing values generated)
```

```
43 .
44 .      /* SET THE STRATA CONTROLS LIST */
45 .
46 .      local stratacontrols ""
```

```
47 .      tab s_group_quart, gen(s_group_quart)
```

s_group_quart	Freq.	Percent	Cum.
F_0_1	97	7.63	7.63
F_0_2	92	7.24	14.87
F_0_3	94	7.40	22.27
F_0_4	94	7.40	29.66
F_1_1	114	8.97	38.63
F_1_2	111	8.73	47.36
F_1_3	114	8.97	56.33
F_1_4	110	8.65	64.99
M_0_1	50	3.93	68.92
M_0_2	50	3.93	72.86
M_0_3	50	3.93	76.79
M_0_4	49	3.86	80.65
M_1_1	62	4.88	85.52
M_1_2	62	4.88	90.40
M_1_3	61	4.80	95.20
M_1_4	61	4.80	100.00
Total	1,271	100.00	

```
48 .      forvalues i=2(1)16 {
      2.          local stratacontrols "`stratacontrols' s_group_quart`i'"
      3.      }
```

```
49 .
50 .      /* DESCRIPTIVE STATISTICS ON DEMOGRAPHIC VARIABLES BY STRATIFICATION
> GROUP AND TREATMENT */
```

```
51 .
52 .      *Make variable name labels
53 .      local var1 "Age"
```

```
54 .      local var2 "High school grade average"
```

```
55 .      local var3 "1st language is English"
```

```
56 .      local var4 "Mother finished college"
```

```
57 .      local var5 "Father finished college"
```

```
58 .      local var6 "Answered earnings test question correctly"
```

```

59 .      local var7 "Controls who would have been paid"

60 .      local var8 "Mean hypothetical earnings for controls"

61 .
62 .      *Erase the old table
63 .      capture erase nbtable1_original.csv

64 .      estimates clear

65 .
66 .      *TREATMENT DIFFERENCES CONTROLLING FOR STRATA
67 .      *Loop over variables to be summarized
68 .      local i = 1

69 .      foreach sumvar in s_age s_hsgrade3 s_mtongue_english s_mothercolldegr
> ee s_fathercolldegree s_test2correct {
    2.
70 .          *Loop over subgroups: . is everyone
71 .          foreach strata in F_1 F_0 M_1 M_0 . {
    3.              qui eststo: reg `sumvar' T `stratacontrols' if reg
> exm(s_group,"`strata'"), r
    4.          }
    5.
72 .          *Output all effects in a table
73 .          qui esttab using nbtable1_original.csv, cells(b(fmt(3)) se(
> fmt(3) star)) append nonumber keep(T) noobs ///
> varlabels(T "`var`i'") mlabels(none) collabels(none) starlev
> els(* .1 ** .05 *** .01) stardetach
    6.
74 .          qui estimates clear
    7.          local ++i
    8.      }

75 .
76 .      *TREATMENT SAMPLE SIZES
77 .      *Loop over subgroups: . is everyone
78 .      foreach strata in F_1 F_0 M_1 M_0 . {
    2.
79 .          qui eststo: reg s_age T `stratacontrols' if regexm(s_group,"`
> strata'"), r
    3.          qui sum s_age if regexm(s_group,"`strata'") & T==1
    4.          qui estadd scalar obs = r(N)
    5.      }

80 .
81 .      *Output all effects in a table
82 .      qui esttab using nbtable1_original.csv, cells(none) append nonumber
> ///
> stats(obs, fmt(0) label("Observations")) mlabels(none) collabels(none
> ) starlevels(* .1 ** .05 *** .01)

83 .
84 .      qui estimates clear

85 .
86 .      *CONTROL MEANS
87 .      *Loop over variables to be summarized
88 .      local i = 1

89 .      foreach sumvar in s_age s_hsgrade3 s_mtongue_english s_mothercolldegr
> ee s_fathercolldegree s_test2correct ///
> controlswhoeearned controlsearnings {
    2.

```

```

90 .          *Loop over subgroups: . is everyone
91 .          foreach strata in F_1 F_0 M_1 M_0 . {
92 .              3.          qui eststo: reg `sumvar' if regexm(s_group,"`strata'"
> ) & T==0, r
93 .              4.          qui sum `sumvar' if regexm(s_group,"`strata'") & T
> ==0
94 .              5.          qui estadd r(mean)
95 .              6.          qui estadd r(sd)
96 .              7.          }
97 .              8.
98 .          *Output all effects in a table
99 .          qui esttab using nbtable1_original.csv, cells(none) append
100 .          > nonumber ///
101 .          > stats(mean sd, fmt(3 3) labels("`var`i'" " ")) mlabels(none)
102 .          > collabels(none)
103 .          9.
104 .          qui estimates clear
105 .          10.          local ++i
106 .          11.          }

107 .
108 .          *CONTROL SAMPLE SIZES
109 .          *Loop over subgroups: . is everyone
110 .          foreach strata in F_1 F_0 M_1 M_0 . {
111 .              2.          qui eststo: reg s_age T `stratacontrols' if regexm(s_group,"`
> strata'", r
112 .              3.          qui sum s_age if regexm(s_group,"`strata'") & T==0
113 .              4.          qui estadd scalar obs = r(N)
114 .              5.          }

115 .
116 .          *Output all effects in a table
117 .          qui esttab using nbtable1_original.csv, cells(none) append nonumber
118 .          > ///
119 .          > stats(obs, fmt(0) label("Observations")) mlabels(none) collabels(none)
120 .          > ) starlevels(* .1 ** .05 *** .01)

121 .
122 .          qui estimates clear

123 .
124 .          *F TESTS OF JOINT SIGNIFICANCE (estimate each regression, save result
125 .          > s, use "suest" to combine, then test)
126 .          *Loop over variables to be summarized
127 .          foreach sumvar in s_age s_hsgrade3 s_mtongue_english s_mothercolldegr
128 .          > ee s_fathercolldegree s_test2correct {
129 .              2.
130 .              *Loop over subgroups: . is everyone
131 .              local stratanum = 1
132 .              foreach strata in F_1 F_0 M_1 M_0 . {
133 .                  3.          qui eststo `sumvar'`stratanum': reg `sumvar' T `st
> ratacontrols' if regexm(s_group,"`strata'")
134 .                  4.          local ++stratanum
135 .                  5.          }
136 .                  6.          }
137 .                  7.          }

138 .
139 .          *Loop over subgroups
140 .          forvalues stratanum=1(1)5 {
141 .              2.

```

```

115 .           qui eststo model`stratanum': suest s_age`stratanum' s_hsgrade
> 3`stratanum' s_mtongue_english`stratanum' s_mothercolldegree`stratanum' ///
>           s_fathercolldegree`stratanum' s_test2correct`stratanum'
3.           qui test [s_age`stratanum'_mean]T [s_hsgrade3`stratanum'_m
> ean]T [s_mtongue_english`stratanum'_mean]T ///
>           [s_mothercolldegree`stratanum'_mean]T [s_fathercolldegree`str
> atanum'_mean]T [s_test2correct`stratanum'_mean]T
4.           qui local F = r(chi2)/r(df)
5.           qui estadd scalar F = `F'
6.           qui estadd r(p)
7.           }

116 .
117 .           *Output all effects in a table
118 .           qui esttab model1 model2 model3 model4 model5 using nbtable1_origin
> al.csv, cells(none) append nonumber ///
>           stats(F p, fmt(3 3) labels("F test for joint significance" " ")) mlab
> els(none) collabels(none)

119 .
120 .
121 . /* Step #2 */
122 . /* Generate the replicated columns 9-10 with strata controls and save them in
> nbtable1_new.csv file */
123 . /* I deleted foreach loops that repeated running regressions for every strata
> and modified the code to run regression only for all strata. */
124 .
125 .
126 .           capture erase nbtable1_new.csv

127 .           estimates clear

128 .
129 .           *TREATMENT DIFFERENCES CONTROLLING FOR STRATA
130 .           *Loop over variables to be summarized
131 .           local i = 1

132 .           foreach sumvar in s_age s_hsgrade3 s_mtongue_english s_mothercolldegr
> ee s_fathercolldegree s_test2correct {
2.
133 .           *Loop over subgroups: . is everyone
134 .           qui eststo: reg `sumvar' T `stratacontrols', r
3.
135 .           *Output all effects in a table
136 .           qui esttab using nbtable1_new.csv, cells(b(fmt(3)) se(fmt(3
> ) star)) append nonumber keep(T) noobs ///
>           varlabels(T "`var`i'") mlabels(none) collabels(none) starlev
> els(* .1 ** .05 *** .01) stardetach
4.
137 .           qui estimates clear
5.           local ++i
6.           }

138 .
139 .           *TREATMENT SAMPLE SIZES
140 .           qui eststo: reg s_age T `stratacontrols', r

141 .           qui sum s_age if T==1

142 .           qui estadd scalar obs = r(N)

```

```

143 .
144 .      *Output all effects in a table
145 .      qui esttab using nbtable1_new.csv, cells(none) append nonumber ///
>      stats(obs, fmt(0) label("Observations")) mlabels(none) collabels(none)
> ) starlevels(* .1 ** .05 *** .01)

146 .
147 .      qui estimates clear

148 .
149 .      *CONTROL MEANS
150 .      *Loop over variables to be summarized
151 .      local i = 1

152 .      foreach sumvar in s_age s_hsgrade3 s_mtongue_english s_mothercolldegr
> ee s_fathercolldegree s_test2correct ///
>      controlswhoearned controlsearnings {
2.
153 .          qui eststo: reg `sumvar' if T==0, r
3.          qui sum `sumvar' if T==0
4.          qui estadd r(mean)
5.          qui estadd r(sd)
6.
154 .          *Output all effects in a table
155 .          qui esttab using nbtable1_new.csv, cells(none) append nonum
> ber ///
>          stats(mean sd, fmt(3 3) labels("`var`i'" " ")) mlabels(none)
> collabels(none)
7.
156 .          qui estimates clear
8.          local ++i
9.      }

157 .
158 .      *CONTROL SAMPLE SIZES
159 .      qui eststo: reg s_age T `stratacontrols', r

160 .      qui sum s_age if T==0

161 .      qui estadd scalar obs = r(N)

162 .
163 .      *Output all effects in a table
164 .      qui esttab using nbtable1_new.csv, cells(none) append nonumber ///
>      stats(obs, fmt(0) label("Observations")) mlabels(none) collabels(none)
> ) starlevels(* .1 ** .05 *** .01)

165 .
166 .      qui estimates clear

167 .
168 .      *F TESTS OF JOINT SIGNIFICANCE (estimate each regression, save result
> s, use "suest" to combine, then test)
169 .      *Loop over variables to be summarized
170 .      foreach sumvar in s_age s_hsgrade3 s_mtongue_english s_mothercolldegr
> ee s_fathercolldegree s_test2correct {
2.
171 .          local stratanum = 5
3.          qui eststo `sumvar'`stratanum': reg `sumvar' T `stratacont
> rols'
4.      }

```

```

172 .
173 .      qui eststo model`stratanum': suest s_age`stratanum' s_hsgrade3`strata
> num' s_mtongue_english`stratanum' s_mothercolldegree`stratanum' ///
>      s_fathercolldegree`stratanum' s_test2correct`stratanum'

174 .      qui test [s_age`stratanum'_mean]T [s_hsgrade3`stratanum'_mean]T [s_mt
> ongue_english`stratanum'_mean]T ///
>      [s_mothercolldegree`stratanum'_mean]T [s_fathercolldegree`stratanum'_
> mean]T [s_test2correct`stratanum'_mean]T

175 .      qui local F = r(chi2)/r(df)

176 .      qui estadd scalar F = `F'

177 .      qui estadd r(p)

178 .
179 .      *Output all effects in a table
180 .      qui esttab model5 using nbtable1_new.csv, cells(none) append nonumb
> er ///
>      stats(F p, fmt(3 3) labels("F test for joint significance" " ")) mlab
> els(none) collabels(none)

181 .
182 .
183 . /* Step #3 */
184 . /* Generate the replicated columns 9-10 without strata controls*/
185 . /* I only kept the code to generate the treatment differences column and remo
> ved strata controls from regression. */
186 .
187 .
188 .      capture erase nbtable1_new_no_strata.csv

189 .      estimates clear

190 .
191 .      *TREATMENT DIFFERENCES CONTROLLING FOR STRATA
192 .      *Loop over variables to be summarized
193 .      local i = 1

194 .      foreach sumvar in s_age s_hsgrade3 s_mtongue_english s_mothercolldegr
> ee s_fathercolldegree s_test2correct {
2.
195 .          qui eststo: reg `sumvar' T , r
3.
196 .          *Output all effects in a table
197 .          qui esttab using nbtable1_new_no_strata.csv, cells(b(fmt(3)
> ) se(fmt(3) star)) append nonumber keep(T) noobs ///
>          varlabels(T "`var`i'") mlabels(none) collabels(none) starlev
> els(* .1 ** .05 *** .01) stardetach
4.
198 .          qui estimates clear
5.          local ++i
6.      }

199 .
200 . *****
> ***
201 . * Problem B.2.(b)ii.
202 . *****
> ***

```

```

203 .
204 . /* Step #1 */
205 . /* Generate the original published table using Table4a_grades_May30_2010.do f
> ile */
206 .
207 .     *Tyler Williams
208 .     *5/30/2010
209 .     *This file uses datasets created by OK_gradesupdater_Feb5_2010.do
210 .     *It runs OLS regressions to estimate treatment effects on academic ou
> tcomes controlling for strata (gender, year, hs grade
211 .     *quartile) and covariates
212 .
213 .     /* LOAD THE INDIVIDUAL LEVEL DATA */
214 .
215 .     use OKgradesUpdate_Feb5_2010, clear

216 .
217 .     /* SET THE STRATA CONTROLS LIST */
218 .
219 .     local stratacontrols ""

220 .     tab s_group_quart, gen(s_group_quart)

```

s_group_quart	Freq.	Percent	Cum.
F_0_1	97	7.63	7.63
F_0_2	92	7.24	14.87
F_0_3	94	7.40	22.27
F_0_4	94	7.40	29.66
F_1_1	114	8.97	38.63
F_1_2	111	8.73	47.36
F_1_3	114	8.97	56.33
F_1_4	110	8.65	64.99
M_0_1	50	3.93	68.92
M_0_2	50	3.93	72.86
M_0_3	50	3.93	76.79
M_0_4	49	3.86	80.65
M_1_1	62	4.88	85.52
M_1_2	62	4.88	90.40
M_1_3	61	4.80	95.20
M_1_4	61	4.80	100.00
Total	1,271	100.00	

```

221 .     forvalues i=2(1)16 {
222 .         2.         local stratacontrols "`stratacontrols' s_group_quart`i'"
223 .         3.     }

224 .
225 .     local fullcontrols "s_hsgrade3 s_mtongue_english s_test1correct s_tes
> t2correct s_motherhsdegree s_mothercolldegree s_mothergraddegree s_mothereduc
> miss s_fatherhsdegree s_fathercolldegree s_fathergraddegree s_fathereducmiss
> `stratacontrols'"

226 .
227 .     /* TABLE 4a: CONTROL MEANS AND ACADEMIC OUTCOME REGRESSIONS FOR FULL
> YEAR, SPRING, AND FALL VARS WITH ALL CONTROLS */
228 .

```



```

229 .      *Loop over academic variables
230 .      local tabnum "4a"

231 .      foreach depvar in earnings avggrade {
232 .      2.      *Erase old tables
233 .      capture erase nbtable`tabnum'.csv
234 .      3.      estimates clear
235 .      4.
236 .      *RESULTS
237 .      *Loop over fall, spring, full year
238 .      foreach length in fall spring "" {
239 .      5.      *CONTROL MEANS
240 .      *Loop over subgroups: ^F is all women, ^M is all men, 1$ is a
241 .      > ll 1st years, 0$ is all 2nd years, . is everyone
242 .      foreach strata in F_1 F_0 ^F M_1 M_0 ^M 1$ 0$ . {
243 .      6.      qui eststo: reg `depvar'`length'2008 if regexm(s_group
244 .      > p,"`strata'"), r
245 .      7.      qui sum `depvar'`length'2008 if regexm(s_group,"`s
246 .      > trata'") & T==0
247 .      8.      qui estadd r(mean)
248 .      9.      qui estadd r(sd)
249 .      10.      }
250 .      11.
251 .      *Output all effects in a table
252 .      qui esttab using nbtable`tabnum'.csv, cells(none) append no
253 .      > number ///
254 .      > stats(mean sd, fmt(%9.3f %9.3f) labels("Control Mean" "SD"))
255 .      > mlabels(none) collabels(none)
256 .      12.
257 .      qui estimates clear
258 .      13.
259 .      *TREATMENT EFFECTS
260 .      *Loop over subgroups: ^F is all women, ^M is all men, 1$ is a
261 .      > ll 1st years, 0$ is all 2nd years, . is everyone
262 .      local labnum = 1
263 .      foreach strata in F_1 F_0 ^F M_1 M_0 ^M 1$ 0$ . {
264 .      14.
265 .      15.      foreach controlset in ``fullcontrols' {
266 .      16.      qui eststo: reg `depvar'`length'2008 T `co
267 .      > ntrolset' if regexm(s_group,"`strata'"), r
268 .      17.      }
269 .      18.      }
270 .      19.
271 .      *Output all effects in a table
272 .      qui esttab using nbtable`tabnum'.csv, cells(b(fmt(%9.3f)) s
273 .      > e(fmt(%9.3f) star)) append nonumber keep(T) ///
274 .      > varlabels(T "Treatment Effect") mlabels(none) collabels(none)
275 .      > starlevels(* .1 ** .05 *** .01) stardetach stats(N, fmt(0))
276 .      20.
277 .      qui estimates clear
278 .      21.      }
279 .      22.
280 .      *Close loop over academic variables
281 .      }
282 .
283 .
284 .
285 .

```

```

256 . /* Step #2 */
257 . /* Generate the replicated columns 7-9 and save them in nbtable4a_new.csv f
> ile */
258 . /* I limited the dependent variable to avggrade only, restricted foreach loop
> s that repeated running regressions for all sex-year combinations so that the
> code ran regression only by year for all men and women. */
259 .
260 .      *Erase old tables
261 .      capture erase nbtable`tabnum'_new.csv

262 .      estimates clear

263 .
264 .      *RESULTS
265 .
266 .      *Loop over fall, spring, full year
267 .      foreach length in fall spring "" {
2.
268 .          *CONTROL MEANS
269 .          *Loop over subgroups: 1$ is all 1st years, 0$ is all 2nd year
> s, . is everyone
270 .          foreach strata in 1$ 0$ . {
3.
271 .              qui eststo: reg avggrade`length'2008 if regexm(s_grou
> p,"`strata'"), r
4.              qui sum avggrade`length'2008 if regexm(s_group,"`s
> trata'") & T==0
5.              qui estadd r(mean)
6.              qui estadd r(sd)
7.          }
8.
272 .          *Output all effects in a table
273 .          qui esttab using nbtable`tabnum'_new.csv, cells(none) appen
> d nonumber ///
> stats(mean sd, fmt(%9.3f %9.3f) labels("Control Mean" "SD"))
> mlabels(none) collabels(none)
9.
274 .          qui estimates clear
10.
275 .          *TREATMENT EFFECTS
276 .          *Loop over subgroups: 1$ is all 1st years, 0$ is all 2nd year
> s, . is everyone
277 .          foreach strata in 1$ 0$ . {
11.
278 .              foreach controlset in "`fullcontrols'" {
12.                  qui eststo: reg avggrade`length'2008 T`co
> ntrolset' if regexm(s_group,"`strata'"), r
13.              }
14.          }
15.
279 .          *Output all effects in a table
280 .          qui esttab using nbtable`tabnum'_new.csv, cells(b(fmt(%9.3f
> )) se(fmt(%9.3f) star)) append nonumber keep(T) ///
> varlabels(T "Treatment Effect") mlabels(none) collabels(none)
> starlevels(* .1 ** .05 *** .01) stardetach stats(N, fmt(0))
16.
281 .          qui estimates clear
17.      }

282 .
283 .

```

```

284 . *****
285 . > ***
286 . * Problem B.2.(b)iii.
287 . *****
288 . > ***
289 . /* Generate treatment effect in the columns 7-9 without controls and save the
290 . > m in nbtable4a_new_no_control.csv file */
291 . /* I removed the foreach loop that repeated through the list of fullcontrols
292 . > and deleted control variables from the regression formula. */
293 .
294 . *Loop over academic variables
295 . *Erase old tables
296 . capture erase nbtable`tabnum'_new_no_control.csv
297 .
298 . estimates clear
299 .
300 . *RESULTS
301 .
302 . *Loop over fall, spring, full year
303 . foreach length in fall spring "" {
304 . 2.
305 . *TREATMENT EFFECTS
306 . *Loop over subgroups: 1$ is all 1st years, 0$ is all 2nd years, . is
307 . > everyone
308 . foreach strata in 1$ 0$ . {
309 . 3.
310 . qui eststo: reg avggrade`length'2008 T if regexm(s_group,"`st
311 . > rata"), r
312 . 4.
313 . 5.
314 . *Output all effects in a table
315 . qui esttab using nbtable`tabnum'_new_no_control.csv, cells(b(fmt(%9
316 . > .3f)) se(fmt(%9.3f) star)) append nonumber keep(T) ///
317 . > varlabels(T "Treatment Effect") mlabels(none) collabels(none) starlev
318 . > els(* .1 ** .05 *** .01) stardetach stats(N, fmt(0))
319 . 6.
320 . qui estimates clear
321 . 7. }
322 .
323 . *****
324 . > ***
325 . * Problem B.2.(c)
326 . *****
327 . > ***
328 .
329 . /* Claim #1 */
330 . /* I created and used 'partialcontrols' instead of 'fullcontrols' as the list
331 . > of control variablea. 'partialcontrols' dropeed strata controls from 'fullco
332 . > ntrols'. */
333 . /* I added a forvalues loop to run regression once for those with financial c
334 . > oncerns and again for those without financial concerns. */
335 .
336 . *Erase old tables
337 . capture erase nbtable`tabnum'_claim1.csv
338 .
339 . estimates clear
340 .

```

```

320 .      *RESULTS
321 .
322 .      local partialcontrols "s_hsgrade3 s_mtongue_english s_test1correct s_
> test2correct s_motherhsdegree s_mothercolldegree s_mothergraddegree s_mothere
> ducmiss s_fatherhsdegree s_fathercolldegree s_fathergraddegree s_fathereducmi
> ss"

323 .
324 .      forvalues claim1 = 0/1 {
2.
325 .          *Loop over fall, spring, full year
326 .          foreach length in fall spring "" {
3.
327 .              *CONTROL MEANS
328 .              *Loop over subgroups: 1$ is all 1st years, 0$ is all
> 2nd years, . is everyone
329 .              foreach strata in 1$ 0$ . {
4.                  qui eststo: reg avggrade`length'2008 if re
> gexm(s_group,"`strata'") & s_highfundsconcern == `claim1', r
5.                  qui sum avggrade`length'2008 if regexm(s_g
> roup,"`strata'") & s_highfundsconcern == `claim1' & T==0
6.                  qui estadd r(mean)
7.                  qui estadd r(sd)
8.              }
9.
330 .              *Output all effects in a table
331 .              qui esttab using nbtable`tabnum'_claim1.csv, cells(
> none) append nonumber ///
> stats(mean sd, fmt(%9.3f %9.3f) labels("Control Mean"
> "SD")) mlabels(none) collabels(none)
10.
332 .              qui estimates clear
11.
333 .              *TREATMENT EFFECTS
334 .              *Loop over subgroups: 1$ is all 1st years, 0$ is all
> 2nd years, . is everyone
335 .              foreach strata in 1$ 0$ . {
12.                  foreach controlset in "`partialcontrols'"
> {
13.                      qui eststo: reg avggrade`length'2008 T `co
> ntrolset' if regexm(s_group,"`strata'") & s_highfundsconcern == `claim1', r
14.                      }
15.                  }
16.
336 .              *Output all effects in a table
337 .              qui esttab using nbtable`tabnum'_claim1.csv, cells(
> b(fmt(%9.3f)) se(fmt(%9.3f) star)) append nonumber keep(T) ///
> varlabels(T "Treatment Effect") mlabels(none) collabe
> ls(none) starlevels(* .1 ** .05 *** .01) stardetach stats(N, fmt(0))
17.
338 .              qui estimates clear
18.          }
19.      }

339 .
340 .
341 . /* Claim #2 */
342 . /* I added a forvalues loop to run regression once for those with financial c
> oncerns and again for those without financial concerns. */
343 .
344 .      *Erase old tables

```

```

345 .      capture erase nbtable`tabnum'_claim2.csv
346 .      estimates clear

347 .
348 .      *RESULTS
349 .
350 .      gen s_parentscolldgree = 0

351 .      replace s_parentscolldgree = 1 if s_fathercolldgree == 1 | s_mother
> colldegree == 1
(675 real changes made)

352 .      replace s_parentscolldgree = 2 if s_fathercolldgree == 1 & s_mother
> colldegree == 1
(259 real changes made)

353 .
354 .      forvalues claim2 = 0/2 {
2.
355 .          *Loop over fall, spring, full year
356 .          foreach length in fall spring "" {
3.
357 .              *CONTROL MEANS
358 .              *Loop over subgroups: 1$ is all 1st years, 0$ is all
> 2nd years, . is everyone
359 .              foreach strata in 1$ 0$ . {
4.                  qui eststo: reg avgrade`length'2008 if re
> gexm(s_group,"`strata'") & s_parentscolldgree == `claim2', r
5.                  qui sum avgrade`length'2008 if regexm(s_g
> roup,"`strata'") & s_parentscolldgree == `claim2' & T==0
6.                  qui estadd r(mean)
7.                  qui estadd r(sd)
8.              }
9.
360 .              *Output all effects in a table
361 .              qui esttab using nbtable`tabnum'_claim2.csv, cells(
> none) append nonumber ///
> stats(mean sd, fmt(%9.3f %9.3f) labels("Control Mean"
> "SD")) mlabels(none) collabels(none)
10.
362 .              qui estimates clear
11.
363 .              *TREATMENT EFFECTS
364 .              *Loop over subgroups: 1$ is all 1st years, 0$ is all
> 2nd years, . is everyone
365 .              foreach strata in 1$ 0$ . {
12.                  foreach controlset in "`partialcontrols'"
> {
13.                      qui eststo: reg avgrade`length'2008 T`co
> ntrolset' if regexm(s_group,"`strata'") & s_parentscolldgree == `claim2', r
14.                      }
15.                  }
16.
366 .              *Output all effects in a table
367 .              qui esttab using nbtable`tabnum'_claim2.csv, cells(
> b(fmt(%9.3f)) se(fmt(%9.3f) star)) append nonumber keep(T) ///
> varlabels(T "Treatment Effect") mlabels(none) collabe
> ls(none) starlevels(* .1 ** .05 *** .01) stardetach stats(N, fmt(0))
17.
368 .              qui estimates clear
18.          }
19.      }

```

```
369 .  
370 .  
371 . log close  
      name: <unnamed>  
      log: C:\Users\wonja\Documents\GitHub\14.320\PS2-b2.smcl  
      log type: smcl  
closed on: 17 Mar 2021, 22:58:34
```
