```
. clear

.
. /*
>   Back to Fan's Stata4Econ or other repositories:
>   - http://fanwangecon.github.io
>   - http://fanwangecon.github.io/Stata4Econ
>   - http://fanwangecon.github.io/R4Econ
>   - http://fanwangecon.github.io/M4Econ
>   - http://fanwangecon.github.io/CodeDynaAsset/
>   - http://fanwangecon.github.io/Math4Econ/
>   - http://fanwangecon.github.io/Stat4Econ/
>   - http://fanwangecon.github.io/Tex4Econ
>
>         Regression with discrete variables, discrete variables could interact with each other
>
>
> */
.
. ///--- File Names
> global st_file_root "~\Stata4Econ\table\multipanel\tab_6col_dis2inter\"

. global st_log_file "${st_file_root}gen_reg"

. global st_out_html "${st_file_root}tab_6col_dis2inter.html"

. global st_out_rtf "${st_file_root}tab_6col_dis2inter.rtf"

. global st_out_tex "${st_file_root}tab_6col_dis2inter_texbody.tex"

.
. ///--- Start log
> capture log close

. log using "${st_log_file}" , replace
(note: file C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_dis2inter\gen_reg.smcl not found)
-------------------------------------------------------------------------------
      name:  <unnamed>
       log:  C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_dis2inter\gen_reg.smcl
  log type:  smcl
 opened on:  14 Aug 2019, 03:00:50

. log on
(log already on)

.
. set trace off

. set tracedepth 1

.
. ////////////////////////////////////////////////
> ///--- Load Data
> ////////////////////////////////////////////////
>
. set more off

. sysuse bplong, clear
(fictional blood-pressure data)

.
. tab sex

        Sex |      Freq.     Percent        Cum.
------------+-----------------------------------
       Male |        120       50.00       50.00
     Female |        120       50.00      100.00
------------+-----------------------------------
      Total |        240      100.00

. tab agegrp

  Age Group |      Freq.     Percent        Cum.
------------+-----------------------------------
      30-45 |         80       33.33       33.33
      46-59 |         80       33.33       66.67
        60+ |         80       33.33      100.00
------------+-----------------------------------
      Total |        240      100.00

. tab when

     Status |      Freq.     Percent        Cum.
------------+-----------------------------------
     Before |        120       50.00       50.00
      After |        120       50.00      100.00
------------+-----------------------------------
      Total |        240      100.00

.
. tab sex when

           |     Status
       Sex |     Before      After |     Total
-----------+----------------------+----------
      Male |         60         60 |       120
    Female |         60         60 |       120
-----------+----------------------+----------
     Total |        120        120 |       240

. tab sex agegrp

           |            Age Group
       Sex |     30-45      46-59        60+ |     Total
-----------+---------------------------------+----------
      Male |         40         40         40 |       120
    Female |         40         40         40 |       120
-----------+---------------------------------+----------
     Total |         80         80         80 |       240
```

```
. 
. egen sex_when = group(sex when), label

. egen sex_agegrp = group(sex agegrp), label

. egen when_agegrp = group(when agegrp), label

. 
. ////////////////////////////////////////////////
> ///--- A1. Define Regression Variables
> ////////////////////////////////////////////////
> 
.         * shared regression outcome lhs variable
.         global svr_outcome "bp"

. 
.         * for each panel, rhs variables differ
.         global svr_rhs_panel_a "agegrp sex"

.         global svr_rhs_panel_b "ib1.agegrp ib1.sex_when"

.         global svr_rhs_panel_c "sex io(1 3).sex_when io(1 4).sex_agegrp"

. 
.         * for each column, conditioning differs
.         global it_reg_n = 6

.         global sif_col_1 "bp <= 185"

.         global sif_col_2 "bp <= 180"

.         global sif_col_3 "bp <= 175"

.         global sif_col_4 "bp <= 170"

.         global sif_col_5 "bp <= 165"

.         global sif_col_6 "bp <= 160"

. 
.         * esttad strings for conditioning what were included
.         scalar it_esttad_n = 4

.         matrix mt_bl_estd = J(it_esttad_n, $it_reg_n, 0)

.         matrix rownames mt_bl_estd = bpge185 bpge180 bpge170 bpge160

.         matrix colnames mt_bl_estd = reg1 reg2 reg3 reg4 reg5 reg6

.         matrix mt_bl_estd[1, 1] = (1\1\1\1)

.         matrix mt_bl_estd[1, 2] = (0\1\1\1)

.         matrix mt_bl_estd[1, 3] = (0\0\1\1)

.         matrix mt_bl_estd[1, 4] = (0\0\1\1)

.         matrix mt_bl_estd[1, 5] = (0\0\0\1)

.         matrix mt_bl_estd[1, 6] = (0\0\0\1)

.         global st_estd_rownames : rownames mt_bl_estd

.         global slb_estd_1 "blood pressure >= 185"

.         global slb_estd_2 "blood pressure >= 180"

.         global slb_estd_3 "blood pressure >= 170"

.         global slb_estd_4 "blood pressure >= 160"

. 
. ////////////////////////////////////////////////
> ///--- A2. Define Regression Technical Strings
> ////////////////////////////////////////////////
> 
. ///--- Technical Controls
>         global stc_regc "regress"
.         global stc_opts ", vce(robust)"

. 
. ////////////////////////////////////////////////
> ///--- B1. Define Regressions Panel A
> ////////////////////////////////////////////////
> 
.         /*
>                 di "$srg_panel_a_col_1"
>                 di "$srg_panel_a_col_2"
>                 di "$srg_panel_a_col_6"
>         */
.         foreach it_regre of numlist 1(1)$it_reg_n {
  2.                   #delimit;
delimiter now ;
.                 global srg_panel_a_col_`it_regre' "
>                   $stc_regc $svr_outcome $svr_rhs_panel_a if ${sif_col_`it_regre'} $stc_opts
>                   ";
  3.                   #delimit cr
delimiter now cr
.                 di "${srg_panel_a_col_`it_regre'}"
  4.         }
                   regress bp agegrp sex if bp <= 185 , vce(robust)
                   regress bp agegrp sex if bp <= 180 , vce(robust)
                   regress bp agegrp sex if bp <= 175 , vce(robust)
                   regress bp agegrp sex if bp <= 170 , vce(robust)
                   regress bp agegrp sex if bp <= 165 , vce(robust)
                   regress bp agegrp sex if bp <= 160 , vce(robust)
```

```
. ////////////////////////////////////////////////
> ///--- B2. Define Regressions Panel B
> ////////////////////////////////////////////////
>
.         /*
>                 di "$srg_panel_b_col_1"
>                 di "$srg_panel_b_col_2"
>                 di "$srg_panel_b_col_6"
>         */
.         foreach it_regre of numlist 1(1)$it_reg_n {
  2.                 #delimit;
delimiter now ;
.                 global srg_panel_b_col_`it_regre' "
>                   $stc_regc $svr_outcome $svr_rhs_panel_b if ${sif_col_`it_regre'} $stc_opts
>                   ";
  3.                  #delimit cr
delimiter now cr
.                 di "${srg_panel_b_col_`it_regre'}"
  4.         }
                   regress bp ib1.agegrp ib1.sex_when if bp <= 185 , vce(robust)
                   regress bp ib1.agegrp ib1.sex_when if bp <= 180 , vce(robust)
                   regress bp ib1.agegrp ib1.sex_when if bp <= 175 , vce(robust)
                   regress bp ib1.agegrp ib1.sex_when if bp <= 170 , vce(robust)
                   regress bp ib1.agegrp ib1.sex_when if bp <= 165 , vce(robust)
                   regress bp ib1.agegrp ib1.sex_when if bp <= 160 , vce(robust)

.
. ////////////////////////////////////////////////
> ///--- B3. Define Regressions Panel C
> ////////////////////////////////////////////////
>
.         /*
>                 di "$srg_panel_c_col_1"
>                 di "$srg_panel_c_col_2"
>                 di "$srg_panel_c_col_6"
>         */
.
.         foreach it_regre of numlist 1(1)$it_reg_n {
  2.                 #delimit;
delimiter now ;
.                 global srg_panel_c_col_`it_regre' "
>                   $stc_regc $svr_outcome $svr_rhs_panel_c if ${sif_col_`it_regre'} $stc_opts
>                   ";
  3.                  #delimit cr
delimiter now cr
.                 di "${srg_panel_c_col_`it_regre'}"
  4.         }
                   regress bp sex io(1 3).sex_when io(1 4).sex_agegrp if bp <= 185 , vce(robust)
                   regress bp sex io(1 3).sex_when io(1 4).sex_agegrp if bp <= 180 , vce(robust)
                   regress bp sex io(1 3).sex_when io(1 4).sex_agegrp if bp <= 175 , vce(robust)
                   regress bp sex io(1 3).sex_when io(1 4).sex_agegrp if bp <= 170 , vce(robust)
                   regress bp sex io(1 3).sex_when io(1 4).sex_agegrp if bp <= 165 , vce(robust)
                   regress bp sex io(1 3).sex_when io(1 4).sex_agegrp if bp <= 160 , vce(robust)

.
. ////////////////////////////////////////////////
> ///--- C. Run Regressions
> ////////////////////////////////////////////////
>
.         eststo clear

.         local it_reg_ctr = 0

.         foreach st_panel in panel_a panel_b panel_c {
  2.
.           global st_cur_sm_stor "smd_`st_panel'_m"
  3.            global ${st_cur_sm_stor} ""
  4.
.           foreach it_regre of numlist 1(1)$it_reg_n {
  5.
.                   local it_reg_ctr = `it_reg_ctr' + 1
  6.                    global st_cur_srg_name "srg_`st_panel'_col_`it_regre'"
  7.
.                   di "st_panel:`st_panel', it_reg_ctr:`it_reg_ctr', st_cur_srg_name:${st_cur_srg_name}"
  8.
.                   ///--- Regression
>                   eststo m`it_reg_ctr', title("${sif_col_`it_regre'}") : ${$st_cur_srg_name}
  9.
.                   ///--- Estadd Controls
>                         foreach st_estd_name in $st_estd_rownames {
 10.                                scalar bl_estad = el(mt_bl_estd, rownumb(mt_bl_estd, "`st_estd_name'"), `it_regre')
 11.                                if (bl_estad) {
 12.                                        estadd local `st_estd_name' "Yes"
 13.                                }
 14.                                else {
 15.                                        estadd local `st_estd_name' "No"
 16.                                }
 17.                           }
 18.
.                   ///--- Track Regression Store
>                   global $st_cur_sm_stor "${${st_cur_sm_stor}} m`it_reg_ctr'"
 19.           }
 20.
.           di "${${st_cur_sm_stor}}"
 21.
.         }
st_panel:panel_a, it_reg_ctr:1, st_cur_srg_name:srg_panel_a_col_1

Linear regression                               Number of obs     =        240
                                                F(2, 237)         =      43.96
                                                Prob > F          =     0.0000
                                                R-squared         =     0.2309
                                                Root MSE          =     11.522

------------------------------------------------------------------------------
             |               Robust
          bp |      Coef.  Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      agegrp |      6.3875    .881146     7.25   0.000     4.651621    8.123379
         sex |      -6.975   1.487542    -4.69   0.000    -9.905493   -4.044507
       _cons |    144.6167     2.1896    66.05   0.000     140.3031    148.9302
------------------------------------------------------------------------------
```

added macro:
e(bpge185) : **"Yes"**

added macro:
e(bpge180) : **"Yes"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_a, it_reg_ctr:2, st_cur_srg_name:srg_panel_a_col_2

Linear regression

Number of obs	**232**
F(2, 229)	**38.48**
Prob > F	**0.0000**
R-squared	**0.2199**
Root MSE	**10.648**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp	**5.743837**	**.8445099**	**6.80**	**0.000**	**4.079834**	**7.40784**
sex	**-6.129642**	**1.400587**	**-4.38**	**0.000**	**-8.889327**	**-3.369958**
_cons	**144.5868**	**2.118797**	**68.24**	**0.000**	**140.4119**	**148.7616**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"Yes"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_a, it_reg_ctr:3, st_cur_srg_name:srg_panel_a_col_3

Linear regression

Number of obs	**227**
F(2, 224)	**35.64**
Prob > F	**0.0000**
R-squared	**0.2133**
Root MSE	**10.299**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp	**5.389751**	**.8153042**	**6.61**	**0.000**	**3.783103**	**6.996398**
sex	**-5.985522**	**1.371175**	**-4.37**	**0.000**	**-8.687575**	**-3.283469**
_cons	**144.7626**	**2.0499**	**70.62**	**0.000**	**140.723**	**148.8021**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_a, it_reg_ctr:4, st_cur_srg_name:srg_panel_a_col_4

Linear regression

Number of obs	**212**
F(2, 209)	**23.32**
Prob > F	**0.0000**
R-squared	**0.1557**
Root MSE	**9.6543**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp	**4.42717**	**.7856276**	**5.64**	**0.000**	**2.8784**	**5.975941**
sex	**-4.291783**	**1.329069**	**-3.23**	**0.001**	**-6.911881**	**-1.671684**
_cons	**144.6178**	**1.974598**	**73.24**	**0.000**	**140.7251**	**148.5105**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_a, it_reg_ctr:5, st_cur_srg_name:srg_panel_a_col_5

Linear regression

Number of obs	**193**
F(2, 190)	**27.68**
Prob > F	**0.0000**
R-squared	**0.1799**
Root MSE	**8.47**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp	**4.248854**	**.7209568**	**5.89**	**0.000**	**2.826746**	**5.670962**
sex	**-4.309231**	**1.225799**	**-3.52**	**0.001**	**-6.727154**	**-1.891307**
_cons	**143.3686**	**1.849258**	**77.53**	**0.000**	**139.7209**	**147.0163**

added macro:
e(bpge185) : **"No"**

```
added macro:
            e(bpge180) : "No"

added macro:
            e(bpge170) : "No"

added macro:
            e(bpge160) : "Yes"
st_panel:panel_a, it_reg_ctr:6, st_cur_srg_name:srg_panel_a_col_6

Linear regression                               Number of obs     =        167
                                                F(2, 164)         =      17.00
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1375
                                                Root MSE          =     7.5951

------------------------------------------------------------------------------
             |               Robust
          bp |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      agegrp |   3.386667    .681203     4.97   0.000     2.041608    4.731725
         sex |  -3.247903   1.206346    -2.69   0.008    -5.629874   -.8659305
       _cons |   142.6181   1.718775    82.98   0.000     139.2244    146.0119
------------------------------------------------------------------------------

added macro:
            e(bpge185) : "No"

added macro:
            e(bpge180) : "No"

added macro:
            e(bpge170) : "No"

added macro:
            e(bpge160) : "Yes"
 m1 m2 m3 m4 m5 m6
st_panel:panel_b, it_reg_ctr:7, st_cur_srg_name:srg_panel_b_col_1

Linear regression                               Number of obs     =        240
                                                F(5, 234)         =      22.83
                                                Prob > F          =     0.0000
                                                R-squared         =     0.2743
                                                Root MSE          =     11.264

------------------------------------------------------------------------------
             |               Robust
          bp |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      agegrp |
       46-59 |      4.9375   1.797654     2.75   0.006     1.395845    8.479155
         60+ |      12.775   1.716662     7.44   0.000     9.392912    16.15709
             |
     sex_when |
  Male After |       -3.75   2.238289    -1.68   0.095    -8.159774     .659774
Female Before |  -5.633333   1.855096    -3.04   0.003    -9.288157   -1.97851
 Female After |  -12.06667   1.897443    -6.36   0.000    -15.80492   -8.328412
             |
       _cons |   153.3625   1.644727    93.24   0.000     150.1221    156.6029
------------------------------------------------------------------------------

added macro:
            e(bpge185) : "Yes"

added macro:
            e(bpge180) : "Yes"

added macro:
            e(bpge170) : "Yes"

added macro:
            e(bpge160) : "Yes"
st_panel:panel_b, it_reg_ctr:8, st_cur_srg_name:srg_panel_b_col_2

Linear regression                               Number of obs     =        232
                                                F(5, 226)         =      21.38
                                                Prob > F          =     0.0000
                                                R-squared         =     0.2749
                                                Root MSE          =     10.335

------------------------------------------------------------------------------
             |               Robust
          bp |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      agegrp |
       46-59 |   3.460192   1.688391     2.05   0.042     .1331901    6.787195
         60+ |    11.5383   1.633709     7.06   0.000     8.319053    14.75755
             |
     sex_when |
  Male After |  -4.700633   2.059971    -2.28   0.023    -8.759839   -.6414267
Female Before |  -5.531789   1.691159    -3.27   0.001    -8.864245   -2.199333
 Female After |  -11.14347   1.810406    -6.16   0.000    -14.71091   -7.576037
             |
       _cons |    153.344     1.5696    97.70   0.000     150.2511    156.4369
------------------------------------------------------------------------------

added macro:
            e(bpge185) : "No"

added macro:
            e(bpge180) : "Yes"

added macro:
            e(bpge170) : "Yes"

added macro:
            e(bpge160) : "Yes"
st_panel:panel_b, it_reg_ctr:9, st_cur_srg_name:srg_panel_b_col_3

Linear regression                               Number of obs     =        227
                                                F(5, 221)         =      20.26
                                                Prob > F          =     0.0000
                                                R-squared         =     0.2748
                                                Root MSE          =     9.9547
```

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp						
46-59	**3.748175**	**1.671781**	**2.24**	**0.026**	**.4535027**	**7.042847**
60+	**10.74304**	**1.559562**	**6.89**	**0.000**	**7.669518**	**13.81655**
sex_when						
Male After	**-4.339404**	**2.025927**	**-2.14**	**0.033**	**-8.332012**	**-.3467965**
Female Before	**-4.887012**	**1.645815**	**-2.97**	**0.003**	**-8.130512**	**-1.643512**
Female After	**-11.31805**	**1.707416**	**-6.63**	**0.000**	**-14.68295**	**-7.953145**
_cons	**152.8467**	**1.479417**	**103.32**	**0.000**	**149.9311**	**155.7623**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_b, it_reg_ctr:10, st_cur_srg_name:srg_panel_b_col_4

Linear regression

Number of obs	**212**
F(5, 206)	**14.26**
Prob > F	**0.0000**
R-squared	**0.2280**
Root MSE	**9.2985**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp						
46-59	**2.822553**	**1.588424**	**1.78**	**0.077**	**-.3090997**	**5.954205**
60+	**9.049609**	**1.520009**	**5.95**	**0.000**	**6.052841**	**12.04638**
sex_when						
Male After	**-3.651102**	**1.943865**	**-1.88**	**0.062**	**-7.483522**	**.1813183**
Female Before	**-2.874524**	**1.570737**	**-1.83**	**0.069**	**-5.971306**	**.2222575**
Female After	**-9.435928**	**1.622067**	**-5.82**	**0.000**	**-12.63391**	**-6.237946**
_cons	**151.4132**	**1.354557**	**111.78**	**0.000**	**148.7426**	**154.0838**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_b, it_reg_ctr:11, st_cur_srg_name:srg_panel_b_col_5

Linear regression

Number of obs	**193**
F(5, 187)	**18.09**
Prob > F	**0.0000**
R-squared	**0.2711**
Root MSE	**8.049**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp						
46-59	**2.658862**	**1.419048**	**1.87**	**0.063**	**-.1405385**	**5.458262**
60+	**8.806755**	**1.37817**	**6.39**	**0.000**	**6.087996**	**11.52551**
sex_when						
Male After	**-4.613354**	**1.872319**	**-2.46**	**0.015**	**-8.306935**	**-.9197723**
Female Before	**-3.575851**	**1.407617**	**-2.54**	**0.012**	**-6.352701**	**-.7990016**
Female After	**-9.538765**	**1.443433**	**-6.61**	**0.000**	**-12.38627**	**-6.691259**
_cons	**150.4198**	**1.268432**	**118.59**	**0.000**	**147.9175**	**152.922**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"No"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_b, it_reg_ctr:12, st_cur_srg_name:srg_panel_b_col_6

Linear regression

Number of obs	**167**
F(5, 161)	**12.04**
Prob > F	**0.0000**
R-squared	**0.2248**
Root MSE	**7.2672**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
agegrp						
46-59	**2.977906**	**1.361948**	**2.19**	**0.030**	**.2883206**	**5.667491**
60+	**7.048309**	**1.27826**	**5.51**	**0.000**	**4.523991**	**9.572628**
sex_when						
Male After	**-5.038293**	**1.845856**	**-2.73**	**0.007**	**-8.683505**	**-1.39308**
Female Before	**-3.338435**	**1.254092**	**-2.66**	**0.009**	**-5.815025**	**-.8618451**
Female After	**-7.919962**	**1.35726**	**-5.84**	**0.000**	**-10.60029**	**-5.239634**
_cons	**148.6843**	**1.089022**	**136.53**	**0.000**	**146.5337**	**150.8349**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"No"**

added macro:
e(bpge160) : **"Yes"**
m7 m8 m9 m10 m11 m12
st_panel:panel_c, it_reg_ctr:13, st_cur_srg_name:srg_panel_c_col_1

Linear regression

Number of obs	=	**240**
F(7, 232)	=	**16.38**
Prob > F	=	**0.0000**
R-squared	=	**0.2848**
Root MSE	=	**11.23**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
sex	**-2.558333**	**2.607114**	**-0.98**	**0.327**	**-7.694979**	**2.578312**
sex_when						
Male After	**-3.75**	**2.234133**	**-1.68**	**0.095**	**-8.151783**	**.6517827**
Female Before	**0**	(omitted)				
Female After	**-6.433333**	**1.84844**	**-3.48**	**0.001**	**-10.07521**	**-2.79146**
sex_agegrp						
Male 46-59	**8.2**	**2.931795**	**2.80**	**0.006**	**2.423655**	**13.97634**
Male 60+	**14.125**	**2.519644**	**5.61**	**0.000**	**9.160692**	**19.08931**
Female 30-45	**0**	(omitted)				
Female 46-59	**1.675**	**2.041097**	**0.82**	**0.413**	**-2.346454**	**5.696454**
Female 60+	**11.425**	**2.327367**	**4.91**	**0.000**	**6.839524**	**16.01048**
_cons	**151.825**	**2.038241**	**74.49**	**0.000**	**147.8092**	**155.8408**

added macro:
e(bpge185) : **"Yes"**

added macro:
e(bpge180) : **"Yes"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_c, it_reg_ctr:14, st_cur_srg_name:srg_panel_c_col_2

Linear regression

Number of obs	=	**232**
F(7, 224)	=	**15.20**
Prob > F	=	**0.0000**
R-squared	=	**0.2791**
Root MSE	=	**10.35**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
sex	**-3.444286**	**2.547507**	**-1.35**	**0.178**	**-8.464431**	**1.57586**
sex_when						
Male After	**-4.689464**	**2.059402**	**-2.28**	**0.024**	**-8.747744**	**-.6311835**
Female Before	**0**	(omitted)				
Female After	**-5.600893**	**1.777398**	**-3.15**	**0.002**	**-9.103452**	**-2.098333**
sex_agegrp						
Male 46-59	**5.327778**	**2.714698**	**1.96**	**0.051**	**-.0218368**	**10.67739**
Male 60+	**12.90028**	**2.403238**	**5.37**	**0.000**	**8.16443**	**17.63612**
Female 30-45	**0**	(omitted)				
Female 46-59	**1.675**	**2.048938**	**0.82**	**0.415**	**-2.36266**	**5.71266**
Female 60+	**10.17634**	**2.222007**	**4.58**	**0.000**	**5.797628**	**14.55505**
_cons	**152.2947**	**1.973123**	**77.18**	**0.000**	**148.4065**	**156.183**

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"Yes"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_c, it_reg_ctr:15, st_cur_srg_name:srg_panel_c_col_3

Linear regression

Number of obs	=	**227**
F(7, 219)	=	**14.59**
Prob > F	=	**0.0000**
R-squared	=	**0.2818**
Root MSE	=	**9.9511**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
sex	-2.218408	2.442325	-0.91	0.365	-7.031878	2.595061
sex_when						
Male After	-4.293655	2.019537	-2.13	0.035	-8.27387	-.31344
Female Before	0	(omitted)				
Female After	-6.431034	1.709102	-3.76	0.000	-9.799428	-3.062641
sex_agegrp						
Male 46-59	5.94068	2.675861	2.22	0.027	.6669453	11.21441
Male 60+	12.68252	2.324914	5.46	0.000	8.100452	17.26459
Female 30-45	0	(omitted)				
Female 46-59	1.675	2.043127	0.82	0.413	-2.351709	5.701709
Female 60+	8.838889	2.080234	4.25	0.000	4.739048	12.93873
_cons	151.4839	1.856439	81.60	0.000	147.8252	155.1427

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_c, it_reg_ctr:16, st_cur_srg_name:srg_panel_c_col_4

Linear regression

Number of obs	=	212
F(7, 204)	=	10.36
Prob > F	=	0.0000
R-squared	=	0.2316
Root MSE	=	9.3222

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
sex	-1.248152	2.313153	-0.54	0.590	-5.808905	3.3126
sex_when						
Male After	-3.649823	1.957297	-1.86	0.064	-7.508948	.2093027
Female Before	0	(omitted)				
Female After	-6.561404	1.669928	-3.93	0.000	-9.853935	-3.268872
sex_agegrp						
Male 46-59	4.10075	2.483899	1.65	0.100	-.7966571	8.998158
Male 60+	10.50676	2.332924	4.50	0.000	5.907023	15.10649
Female 30-45	0	(omitted)				
Female 46-59	1.675	2.045128	0.82	0.414	-2.357299	5.707299
Female 60+	7.744118	1.987567	3.90	0.000	3.82531	11.66292
_cons	150.5789	1.692493	88.97	0.000	147.2418	153.9159

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"Yes"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_c, it_reg_ctr:17, st_cur_srg_name:srg_panel_c_col_5

Linear regression

Number of obs	=	193
F(7, 185)	=	12.91
Prob > F	=	0.0000
R-squared	=	0.2735
Root MSE	=	8.0786

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
sex	-2.423919	2.082977	-1.16	0.246	-6.533363	1.685524
sex_when						
Male After	-4.618469	1.891747	-2.44	0.016	-8.350639	-.886299
Female Before	0	(omitted)				
Female After	-5.962339	1.434922	-4.16	0.000	-8.793253	-3.131425
sex_agegrp						
Male 46-59	3.771904	2.344829	1.61	0.109	-.8541385	8.397946
Male 60+	9.642992	2.192151	4.40	0.000	5.318164	13.96782
Female 30-45	0	(omitted)				
Female 46-59	1.675676	1.704311	0.98	0.327	-1.686709	5.038061
Female 60+	8.05134	1.738228	4.63	0.000	4.622043	11.48064
_cons	149.837	1.62117	92.43	0.000	146.6387	153.0354

added macro:
e(bpge185) : **"No"**

added macro:
e(bpge180) : **"No"**

added macro:
e(bpge170) : **"No"**

added macro:
e(bpge160) : **"Yes"**
st_panel:panel_c, it_reg_ctr:18, st_cur_srg_name:srg_panel_c_col_6

Linear regression

Number of obs	**167**
F(7, 159)	**8.76**
Prob > F	**0.0000**
R-squared	**0.2354**
Root MSE	**7.2624**

bp	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
sex	**-1.334484**	**1.853799**	**-0.72**	**0.473**	**-4.99573**	**2.326761**
sex_when						
Male After	**-5.025423**	**1.848065**	**-2.72**	**0.007**	**-8.675345**	**-1.375501**
Female Before	**0**	(omitted)				
Female After	**-4.543904**	**1.35131**	**-3.36**	**0.001**	**-7.212736**	**-1.875071**
sex_agegrp						
Male 46-59	**4.995868**	**2.256259**	**2.21**	**0.028**	**.5397641**	**9.451972**
Male 60+	**8.753126**	**2.049735**	**4.27**	**0.000**	**4.704906**	**12.80134**
Female 30-45	**0**	(omitted)				
Female 46-59	**1.350265**	**1.655914**	**0.82**	**0.416**	**-1.920159**	**4.620689**
Female 60+	**5.724661**	**1.613065**	**3.55**	**0.001**	**2.538865**	**8.910458**
_cons	**147.5938**	**1.399479**	**105.46**	**0.000**	**144.8298**	**150.3577**

```
added macro:
           e(bpge185) : "No"

added macro:
           e(bpge180) : "No"

added macro:
           e(bpge170) : "No"

added macro:
           e(bpge160) : "Yes"
 m13 m14 m15 m16 m17 m18

.
.          di "$smd_panel_a_m"
 m1 m2 m3 m4 m5 m6

.          di "$smd_panel_b_m"
 m7 m8 m9 m10 m11 m12

.          di "$smd_panel_c_m"
 m13 m14 m15 m16 m17 m18

.
. ////////////////////////////////////////////////
> ///--- D1. Labeling
> ////////////////////////////////////////////////
>
. ///--- Title overall
>          global slb_title "Outcome: Blood Pressure"

.          global slb_title_inner "\textbf{Categories}: Discrete Categories and BP"

.          global slb_label_tex "tab:scminter"

.
. ///--- Several RHS Continuous Variables
>          global slb_panel_a "Panel A: Continuous Right Hand Side Variables"

.
. ///--- Continuous Variables + Several Discrete Variables
>          global slb_panel_b "Panel B: Two Discrete Right Hand Side Variables"

.          global slb_panel_b_ga "Age Groups (Compare to 30-45)"

.          global slb_panel_b_gb "Gender/Time Groups (Compare to Female Before)"

.
. ///--- Continuous Variables + Several Discrete Variables Interated with More Discrete Variables
>          global slb_panel_c "Panel C: Two Discrete Interacted Variables"

.          global slb_panel_c_sa "Male Dummy Interactions:"

.          global slb_panel_c_sb "Female Dummy Interactions:"

.          global slb_panel_c_sa_ga "Time Groups (Compare to Before)"

.          global slb_panel_c_sa_gb "Age Groups (Compare to 30-45)"

.          global slb_panel_c_sb_ga "Time Groups (Compare to Before)"

.          global slb_panel_c_sb_gb "Age Groups (Compare to 30-45)"

.
. ///--- Notes
>          global slb_bottom "Controls for each panel:"

.          global slb_note "${slb_starLvl}. Robust standard errors. Each column is a spearate regression."

.
. ///--- Show which coefficients to keep
>          #delimit;
delimiter now ;
.          global svr_coef_keep_panel_a "
>            agegrp sex
>            ";
```

```
.         global svr_coef_keep_panel_b "
>                 2.agegrp 3.agegrp
>                 2.sex_when 3.sex_when 4.sex_when
>           ";

.         global svr_coef_keep_panel_c "
>
>                 sex
>
>                 2.sex_when
>                 2.sex_agegrp 3.sex_agegrp
>
>                 4.sex_when
>                 5.sex_agegrp 6.sex_agegrp
>           ";

.         #delimit cr
delimiter now cr
.
. ///--- Labeling for for Coefficients to Show
>         global slb_title_spc "\vspace*{-5mm}\hspace*{-8mm}"

.         global slb_dis_tlt_spc "\vspace*{-5mm}\hspace*{-8mm}"

.         global slb_dis_ele_spc "\vspace*{0mm}\hspace*{5mm}"

.         global slb_1st_ele_spc "\vspace*{0mm}\hspace*{5mm}"

.
.         #delimit;
delimiter now ;
.         global svr_starts_var_panel_a "agegrp";

.         global slb_coef_label_panel_a "
>                  agegrp "${slb_1st_ele_spc}age group"
>                 sex "${slb_1st_ele_spc}sex variable"
>           ";

.         #delimit cr
delimiter now cr
.
.         #delimit;
delimiter now ;
.         global svr_starts_var_panel_b "2.agegrp";

.         global svr_starts_var_panel_b_ga "2.agegrp";

.         global svr_starts_var_panel_b_gb "2.sex_when";

.         global slb_coef_label_panel_b "
>                  2.agegrp "${slb_dis_ele_spc} x (46-59 yrs)"
>                  3.agegrp "${slb_dis_ele_spc} x (>60 years)"
>                  2.sex_when "${slb_dis_ele_spc} x male after"
>                  3.sex_when "${slb_dis_ele_spc} x female before"
>                  4.sex_when "${slb_dis_ele_spc} x female after"
>           ";

.         #delimit cr
delimiter now cr
.
.         #delimit;
delimiter now ;
.         global svr_starts_var_panel_c "sex";

.         global svr_starts_var_panel_c_sa "2.sex_when";

.         global svr_starts_var_panel_c_sa_ga "2.sex_when";

.         global svr_starts_var_panel_c_sa_gb "2.sex_agegrp";

.         global svr_starts_var_panel_c_sb "4.sex_when";

.         global svr_starts_var_panel_c_sb_ga "4.sex_when";

.         global svr_starts_var_panel_c_sb_gb "5.sex_agegrp";

.         global slb_coef_label_panel_c "
>                 sex "${slb_1st_ele_spc}male dummy"
>
>                 2.sex_when "${slb_dis_ele_spc} x male x after"
>                 2.sex_agegrp "${slb_dis_ele_spc} x male x (46-59 yrs)"
>                 3.sex_agegrp "${slb_dis_ele_spc} x male x (>60 years)"
>
>                 4.sex_when "${slb_dis_ele_spc} x male x after"
>                 5.sex_agegrp "${slb_dis_ele_spc} x female x (46-59 yrs)"
>                 6.sex_agegrp "${slb_dis_ele_spc} x female x (>60 years)"
>
>           ";

.         #delimit cr
delimiter now cr
.
. ////////////////////////////////////////////////
> ///--- D2. Regression Display Controls
> ////////////////////////////////////////////////
>
.         global slb_reg_stats "N ${st_estd_rownames}"

.
.         global slb_starLvl "* 0.10 ** 0.05 *** 0.01"

.         global slb_starComm "nostar"
```

```
.
.         global slb_sd_tex `"se(fmt(a2) par("\vspace*{-2mm}{\footnotesize (" ") }"))"'

.         global slb_cells_tex `"cells(b(star fmt(a2)) $slb_sd_tex)"'

.         global slb_esttab_opt_tex "booktabs label collabels(none) nomtitles nonumbers star(${slb_starLvl})"

.
.         global slb_sd_txt `"se(fmt(a2) par("(" ")"))"'

.         global slb_cells_txt `"cells(b(star fmt(a2)) $slb_sd_txt)"'

.         global slb_esttab_opt_txt "stats(${slb_reg_stats}) collabels(none) mtitle nonumbers varwidth(30) modelwidth(15) star(${slb_starL
> })"

.
.         #delimit ;
delimiter now ;
.         global slb_panel_a_main "
>                 title("${slb_panel_a}")
>                 keep(${svr_coef_keep_panel_a}) order(${svr_coef_keep_panel_a})
>                 coeflabels($slb_coef_label_panel_a)
>                 ";

.         global slb_panel_b_main "
>                 title("${slb_panel_b}")
>                 keep(${svr_coef_keep_panel_b}) order(${svr_coef_keep_panel_b})
>                 coeflabels($slb_coef_label_panel_b)
>                 ";

.         global slb_panel_c_main "
>                 title("${slb_panel_c}")
>                 keep(${svr_coef_keep_panel_c}) order(${svr_coef_keep_panel_c})
>                 coeflabels($slb_coef_label_panel_c)
>                 ";

.         #delimit cr
delimiter now cr
.
. ////////////////////////////////////////////////
> ///--- E. Regression Shows
> ////////////////////////////////////////////////
>
.         esttab ${smd_panel_a_m}, ${slb_panel_a_main} ${slb_esttab_opt_txt}
```

Panel A: Continuous Right Hand Side Variables

	bp <= 185	bp <= 180	bp <= 175	bp <= 170	bp <= 165	bp <=
\vspace*{0mm}\hspace*{5mm}ag~r	**6.388***	**5.744***	**5.390***	**4.427***	**4.249***	**3.**
	(7.25)	**(6.80)**	**(6.61)**	**(5.64)**	**(5.89)**	**(4.**
\vspace*{0mm}\hspace*{5mm}se~a	**-6.975***	**-6.130***	**-5.986***	**-4.292***	**-4.309***	**-3.**
	(-4.69)	**(-4.38)**	**(-4.37)**	**(-3.23)**	**(-3.52)**	**(-2.**
N	**240**	**232**	**227**	**212**	**193**	
bpge185	**Yes**	**No**	**No**	**No**	**No**	
bpge180	**Yes**	**Yes**	**No**	**No**	**No**	
bpge170	**Yes**	**Yes**	**Yes**	**Yes**	**No**	
bpge160	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	

t statistics in parentheses
* 0.10 ** 0.05 *** 0.01. Robust standard errors. Each column is a spearate regression.
* p<0.10, ** p<0.05, *** p<0.01

```
.         esttab ${smd_panel_b_m}, ${slb_panel_b_main} ${slb_esttab_opt_txt}
```

Panel B: Two Discrete Right Hand Side Variables

	bp <= 185	bp <= 180	bp <= 175	bp <= 170	bp <= 165	bp <=
\vspace*{0mm}\hspace*{5mm} ~46	**4.937***	**3.460**	**3.748**	**2.823**	**2.659**	**2.**
	(2.75)	**(2.05)**	**(2.24)**	**(1.78)**	**(1.87)**	**(2.**
\vspace*{0mm}\hspace*{5mm} x~6	**12.77***	**11.54***	**10.74***	**9.050***	**8.807***	**7.**
	(7.44)	**(7.06)**	**(6.89)**	**(5.95)**	**(6.39)**	**(5.**
\vspace*{0mm}\hspace*{5mm} x~l	**-3.750**	**-4.701**	**-4.339**	**-3.651**	**-4.613**	**-5.**
	(-1.68)	**(-2.28)**	**(-2.14)**	**(-1.88)**	**(-2.46)**	**(-2.**
\vspace*{0mm}\hspace*{5mm} x~m	**-5.633***	**-5.532***	**-4.887***	**-2.875**	**-3.576**	**-3.**
	(-3.04)	**(-3.27)**	**(-2.97)**	**(-1.83)**	**(-2.54)**	**(-2.**
\vspace*{0mm}\hspace*{5mm} x~m	**-12.07***	**-11.14***	**-11.32***	**-9.436***	**-9.539***	**-7.**
	(-6.36)	**(-6.16)**	**(-6.63)**	**(-5.82)**	**(-6.61)**	**(-5.**
N	**240**	**232**	**227**	**212**	**193**	
bpge185	**Yes**	**No**	**No**	**No**	**No**	
bpge180	**Yes**	**Yes**	**No**	**No**	**No**	
bpge170	**Yes**	**Yes**	**Yes**	**Yes**	**No**	
bpge160	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	

t statistics in parentheses
* 0.10 ** 0.05 *** 0.01. Robust standard errors. Each column is a spearate regression.
* p<0.10, ** p<0.05, *** p<0.01

```
.         esttab ${smd_panel_c_m}, ${slb_panel_c_main} ${slb_esttab_opt_txt}
```

Panel C: Two Discrete Interacted Variables

	bp <= 185	bp <= 180	bp <= 175	bp <= 170	bp <= 165	bp <=
\vspace*{0mm}\hspace*{5mm}ma~d	**-2.558**	**-3.444**	**-2.218**	**-1.248**	**-2.424**	**-1.**
	(-0.98)	**(-1.35)**	**(-0.91)**	**(-0.54)**	**(-1.16)**	**(-0.**
\vspace*{0mm}\hspace*{5mm} x~l	**-3.750***	**-4.689****	**-4.294****	**-3.650***	**-4.618****	**-5.**
	(-1.68)	**(-2.28)**	**(-2.13)**	**(-1.86)**	**(-2.44)**	**(-2.**
\vspace*{0mm}\hspace*{5mm} x~l	**8.200***	**5.328***	**5.941****	**4.101**	**3.772**	**4.**
	(2.80)	**(1.96)**	**(2.22)**	**(1.65)**	**(1.61)**	**(2.**
\vspace*{0mm}\hspace*{5mm} x~l	**14.12***	**12.90***	**12.68***	**10.51***	**9.643***	**8.**
	(5.61)	**(5.37)**	**(5.46)**	**(4.50)**	**(4.40)**	**(4.**

\vspace*{0mm}\hspace*{5mm} x~1	**-6.433*** **	**-5.601*** **	**-6.431*** **	**-6.561*** **	**-5.962*** **	**-4.**
	(-3.48)	**(-3.15)**	**(-3.76)**	**(-3.93)**	**(-4.16)**	**(-3.**
\vspace*{0mm}\hspace*{5mm} x~m	**1.675**	**1.675**	**1.675**	**1.675**	**1.676**	**1.**
	(0.82)	**(0.82)**	**(0.82)**	**(0.82)**	**(0.98)**	**(0.**
\vspace*{0mm}\hspace*{5mm} x~m	**11.42*** **	**10.18*** **	**8.839*** **	**7.744*** **	**8.051*** **	**5.**
	(4.91)	**(4.58)**	**(4.25)**	**(3.90)**	**(4.63)**	**(3.**
N	**240**	**232**	**227**	**212**	**193**	
bpge185	**Yes**	**No**	**No**	**No**	**No**	
bpge180	**Yes**	**Yes**	**No**	**No**	**No**	
bpge170	**Yes**	**Yes**	**Yes**	**Yes**	**No**	
bpge160	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	

t statistics in parentheses
* 0.10 ** 0.05 *** 0.01. Robust standard errors. Each column is a spearate regression.
* p<0.10, ** p<0.05, *** p<0.01

```
.
. ////////////////////////////////////////////////
> ///--- F1. Define Latex Column Groups and Column Sub-Groups
> ////////////////////////////////////////////////
>
.         ///--- Column Groups
>         global it_max_col = 8

.         global it_min_col = 2

.         global it_col_cnt = 6

.         global colSeq "2 4 6 8"

. //      global st_cmidrule "\cmidrule(lr){2-3}\cmidrule(lr){4-5}\cmidrule(lr){6-7}"
.         global st_cmidrule "\cmidrule(lr){2-7}"

.
.         ///--- Group 1, columns 1 and 2
>         global labG1 "All Age 5 to 12"

.         global labC1 "{\small All Villages}"

.         global labC2 "{\small No Teachng Points}"

.
.         ///--- Group 2, columns 3 and 4
>         global labG2 "Girls Age 5 to 12"

.         global labC3 "{\small All Villages}"

.         global labC4 "{\small No Teachng Points}"

.
.         ///--- Group 3, columns 5 and 6
>         global labG3 "Boys Age 5 to 12"

.         global labC5 "{\small All Villages}"

.         global labC6 "{\small No Teachng Points}"

.
.         ///--- Column Widths
>         global perCoefColWid = 1.85

.         global labColWid = 5

.
.         ///--- Column Fractional Adjustment, 1 = 100%
>         global tableAdjustBoxWidth = 1.0

.
. ////////////////////////////////////////////////
> ///--- F2. Tabling Calculations
> ////////////////////////////////////////////////
>
.         ///--- Width Calculation
>         global totCoefColWid = ${perCoefColWid}*${it_col_cnt}

.         global totColCnt = ${it_col_cnt} + 1

.         global totColWid = ${labColWid} + ${totCoefColWid} + ${perCoefColWid}

.         global totColWidFootnote = ${labColWid} + ${totCoefColWid} + ${perCoefColWid} + ${perCoefColWid}/2

.         global totColWidLegend = ${labColWid} + ${totCoefColWid} + ${perCoefColWid}

.         global totColWidLegendthin = ${totCoefColWid} + ${perCoefColWid}

.
.         di "it_col_cnt:$it_col_cnt"
it_col_cnt:6

.         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1

.         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1

.         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1

.         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1
```

```
. di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1

.
.         global ampersand ""

.         foreach curLoop of numlist 1(1)$it_col_cnt {
  2.           global ampersand "$ampersand &"
  3.         }

.         di "ampersand:$ampersand"
ampersand: & & & & &

.
.         global alignCenter "m{${labColWid}cm}"

.         local eB1 ">{\centering\arraybackslash}m{${perCoefColWid}cm}"

.         foreach curLoop of numlist 1(1)$it_col_cnt {
  2.           global alignCenter "$alignCenter `eB1'"
  3.         }

.         di "alignCenter:$alignCenter"
alignCenter:m{5cm} >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm} >{\ce
> {1.85cm} >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm}

.
. ////////////////////////////////////////////////
> ///--- G1a. Tex Sectioning panel A
> ////////////////////////////////////////////////
>
.         #delimit ;
delimiter now ;
.         global slb_titling_panel_a "
>                 ${svr_starts_var_panel_a} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_title_spc}\textbf{${slb_panel_a}}} \\
>                 ";

.         global slb_refcat_panel_a `"refcat(${slb_titling_panel_a}, nolabel)"';

.         #delimit cr
delimiter now cr
.
. ////////////////////////////////////////////////
> ///--- G1b. Tex Sectioning panel B
> ////////////////////////////////////////////////
>
.         if ("${svr_starts_var_panel_b}" == "${svr_starts_var_panel_b_ga}") {
.                 #delimit ;
delimiter now ;
.                 global svr_starts_pb_andga "
>                         ${svr_starts_var_panel_b}
>                                 "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_title_spc}\textbf{${slb_panel_b}}} \\
>                                  \multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel_b_ga}}} \\"
>                         ";
.                 #delimit cr
delimiter now cr
.         }

.         else {
.                 #delimit ;
delimiter now ;
.                 global svr_starts_pb_andga "
>                         ${svr_starts_var_panel_b}
>                                 "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_title_spc}\textbf{${slb_panel_b}}} \\"
>                         ${svr_starts_var_panel_b_ga}
>                                 "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel_b_ga}}} \\"
>                         ";
.                 #delimit cr
delimiter now cr
.         }

.
.         #delimit ;
delimiter now ;
.         global slb_titling_panel_b "
>                 ${svr_starts_pb_andga}
>                 ${svr_starts_var_panel_b_gb}
>                         "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel_b_gb}}} \\"
>                 ";

.         global slb_refcat_panel_b `"refcat(${slb_titling_panel_b}, nolabel)"';

.         #delimit cr
delimiter now cr
.
. ////////////////////////////////////////////////
> ///--- G1c. Tex Sectioning panel C
> ////////////////////////////////////////////////
>
. if (("${svr_starts_var_panel_c}" == "${svr_starts_var_panel_c_sa}") & ("${svr_starts_var_panel_c_sa}" == "${svr_starts_var_panel_c_sa_ga
. ///--- if main = sub headings = subsub heading
>         #delimit ;
delimiter now ;
.         global slb_titling_panel_c "
>                 ${svr_starts_var_panel_c} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_title_spc}\textbf{${slb_panel_c}}} \\
>
> {L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textbf{\textit{${slb_panel_c_sa}}}} \\
>
> {L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel_c_sa_ga}}} \\"
>                 ${svr_starts_var_panel_c_sa_gb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
>                 ${svr_starts_var_panel_c_sb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textbf{\textit{${slb_
>
> {L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel_c_sb_ga}}} \\"
>                 ${svr_starts_var_panel_c_sb_gb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
>                 ";
```

```
. 	global slb_refcat_panel_c `"refcat(${slb_titling_panel_c}, nolabel)"';
. 	#delimit cr
delimiter now cr
. }

. else if ("${svr_starts_var_panel_c_sa}" == "${svr_starts_var_panel_c_sa_ga}") {
. ///--- if main, sub headings differ, but subsub = sub heading
> 	#delimit ;
delimiter now ;
. 	global slb_titling_panel_c "
> 		${svr_starts_var_panel_c} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_title_spc}\textbf{${slb_panel_c}}} \\
> 		${svr_starts_var_panel_c_sa} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textbf{\textit{${slb_
>
> {L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel_c_sa_ga}}} \\"
> 		${svr_starts_var_panel_c_sa_gb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
> 		${svr_starts_var_panel_c_sb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textbf{\textit{${slb_
>
> {L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel_c_sb_ga}}} \\"
> 		${svr_starts_var_panel_c_sb_gb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
> 		";
. 	global slb_refcat_panel_c `"refcat(${slb_titling_panel_c}, nolabel)"';
. 	#delimit cr
delimiter now cr
. }

. else {
. ///--- if main, sub, subsub heading vars differ
> 	#delimit ;
delimiter now ;
. 	global slb_titling_panel_c "
> 		${svr_starts_var_panel_c} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_title_spc}\textbf{${slb_panel_c}}} \\
> 		${svr_starts_var_panel_c_sa} "${st_cmidrule}\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textbf{
> }}}} \\"
> 		${svr_starts_var_panel_c_sa_ga} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
> 		${svr_starts_var_panel_c_sa_gb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
> 		${svr_starts_var_panel_c_sb} "${st_cmidrule}\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textbf{
> }}}} \\"
> 		${svr_starts_var_panel_c_sb_ga} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
> 		${svr_starts_var_panel_c_sb_gb} "\multicolumn{$totColCnt}{L{${totColWidLegend}cm}}{${slb_dis_tlt_spc}\textit{${slb_panel
> 		";
. 	global slb_refcat_panel_c `"refcat(${slb_titling_panel_c}, nolabel)"';
. 	#delimit cr
delimiter now cr
. }

.
. ////////////////////////////////////////////////
> ///--- G1d. Bottom
> ////////////////////////////////////////////////
>
. 	#delimit ;
delimiter now ;
. 	global slb_titling_bottom `"
> 	stats(N $st_estd_rownames,
> 			labels(Observations
> 			"\midrule \multicolumn{${totColCnt}}{L{${totColWid}cm}}{${slb_title_spc}\textbf{\textit{\normalsize ${slb_bottom
> slb_estd_1}"
> 			"${slb_estd_2}"
> 			"${slb_estd_3}"
> 			"${slb_estd_4}"))"';

. 	#delimit cr
delimiter now cr
.
. ////////////////////////////////////////////////
> ///--- G2. Tex Headline
> ////////////////////////////////////////////////
>
. 	///--- C.3.A. Initialize
> 	global row1 "&"

. 	global row1MidLine ""

. 	global row2 ""

. 	global row2MidLine ""

. 	global row3 ""

.
. 	///--- B. Row 2 and row 2 midline
> 	* global colSeq "2 3 6"
. 	global cmidrule ""

. 	global colCtr = -1

. 	foreach curCol of numlist $colSeq {
  2.
. 		global colCtr = $colCtr + 1
  3. 		global curCol1Min = `curCol' - 1
  4. 		if ($colCtr == 0 ) {
  5. 			global minCoefCol = "`curCol'"
  6. 		}
  7. 		if ($colCtr != 0 ) {
  8. 			global gapCnt = (`curCol' - `lastCol')
  9. 			global gapWidth = (`curCol' - `lastCol')*$perCoefColWid
 10. 			di "curCol1Min:$curCol1Min, lastCol:`lastCol'"
 11. 			di "$gapCnt"
 12.
.  			di "\multicolumn{$gapCnt}{C{${gapWidth}cm}}{\small no Control}"
 13. 			di "\cmidrule(l{5pt}r{5pt}){`lastCol'-$curCol1Min}"
 14.
.  			global curRow2MidLine "\cmidrule(l{5pt}r{5pt}){`lastCol'-$curCol1Min}"
 15. 			global row2MidLine "$row2MidLine $curRow2MidLine"
 16.
```

```
.                         global curRow2 "\multicolumn{$gapCnt}{L{${gapWidth}cm}}{\small ${labG${colCtr}}}"
 17.                      global row2 "$row2 & $curRow2"
 18.
.                }
 19.                local lastCol = `curCol'
 20.
.         }
curCol1Min:3, lastCol:2
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(l{5pt}r{5pt}){2-3}
curCol1Min:5, lastCol:4
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(l{5pt}r{5pt}){4-5}
curCol1Min:7, lastCol:6
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(l{5pt}r{5pt}){6-7}

.
.         ///--- C. Row 3
>         * Initial & for label column
.         foreach curLoop of numlist 1(1)$it_col_cnt {
  2.                global curText "${labC`curLoop'}"
  3.                global textUse "(`curLoop')"
  4.                if ("$curText" != "") {
  5.                        global textUse "$curText"
  6.                }
  7.                global curRow3 "\multicolumn{1}{C{${perCoefColWid}cm}}{$textUse}"
  8.                global row3 "$row3 & $curRow3"
  9.           }

.
.         ///--- D. Row 1 and midline:
>         global row1 "${row1} \multicolumn{${it_col_cnt}}{L{${totCoefColWid}cm}}{${slb_title_inner}}"

.         global row1MidLine "\cmidrule(l{5pt}r{5pt}){${minCoefCol}-${curCol1Min}}"

.
.         ///--- C.3.E Print lines
>         di "$row1 \\"
& \multicolumn{6}{L{11.1cm}}{\textbf{Categories}: Discrete Categories and BP} \\

.         di "$row1MidLine "
\cmidrule(l{5pt}r{5pt}){2-7}

.         di "$row2 \\"
 & \multicolumn{2}{L{3.7cm}}{\small All Age 5 to 12} & \multicolumn{2}{L{3.7cm}}{\small Girls Age 5 to 12} & \multicolumn{2}{L{3.7cm}}{\sm

.         di "$row2MidLine"
 \cmidrule(l{5pt}r{5pt}){2-3} \cmidrule(l{5pt}r{5pt}){4-5} \cmidrule(l{5pt}r{5pt}){6-7}

.         di "$row3 \\"
 & \multicolumn{1}{C{1.85cm}}{{\small All Villages}} & \multicolumn{1}{C{1.85cm}}{{\small No Teachng Points}} & \multicolumn{1}{C{1.85cm}}
> & \multicolumn{1}{C{1.85cm}}{{\small No Teachng Points}} & \multicolumn{1}{C{1.85cm}}{{\small All Villages}} & \multicolumn{1}{C{1.85cm}
> nts}} \\

.
.         ///--- C.4 Together
>         #delimit ;
delimiter now ;
.         ///--- 1. Section
>         * local section "
>                 * \section{`fileTitle'}\vspace*{-6mm}
>                 * ";
.         ///--- 2. Align and Column Define
>         local centering "$alignCenter";

.         global headline "
>                         $row1 \\
>                         $row1MidLine
>                         $row2 \\
>                         $row2MidLine
>                         $row3 \\
>                 ";

.         #delimit cr
delimiter now cr
.
. ////////////////////////////////////////////////
> ///--- G4. Head
> ////////////////////////////////////////////////
>
.         #delimit ;
delimiter now ;
.         global adjustBoxStart "\begin{adjustbox}{max width=${tableAdjustBoxWidth}\textwidth}";

.         global adjustBoxEnd "\end{adjustbox}";

.         global notewrap "
>                         \addlinespace[-0.5em]
>                         \multicolumn{${totColCnt}}{L{${totColWidFootnote}cm}}{\footnotesize\justify$notelong}\\
>                  ";

.         global startTable "\begin{table}[htbp]
>                         \centering
>                         \caption{${slb_title}\label{${slb_label_tex}}}${adjustBoxStart}\begin{tabular}{`centering'}
>                         \toprule
>                         ";

.         global headlineAll "prehead(${startTable}${headline})";

.         global headlineAllNoHead "prehead(${startTable})";
```

```
. 		global postAll " postfoot(\bottomrule ${notewrap} \end{tabular}${adjustBoxEnd}\end{table})";

. 		#delimit cr
delimiter now cr
.
. ////////////////////////////////////////////////
> ///--- H1. Output Results to HTML
> ////////////////////////////////////////////////
>
. 		esttab ${smd_panel_a_m} using "${st_out_html}", ${slb_panel_a_main} ${slb_esttab_opt_txt} replace
(note: file C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.html not found)
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.html)

. 		esttab ${smd_panel_b_m} using "${st_out_html}", ${slb_panel_b_main} ${slb_esttab_opt_txt} append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.html)

. 		esttab ${smd_panel_c_m} using "${st_out_html}", ${slb_panel_c_main} ${slb_esttab_opt_txt} append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.html)

.
. ////////////////////////////////////////////////
> ///--- H2. Output Results to RTF
> ////////////////////////////////////////////////
>
. 		esttab ${smd_panel_a_m} using "${st_out_rtf}", ${slb_panel_a_main} ${slb_esttab_opt_txt} replace
(note: file C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.rtf not found)
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.rtf)

. 		esttab ${smd_panel_b_m} using "${st_out_rtf}", ${slb_panel_b_main} ${slb_esttab_opt_txt} append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.rtf)

. 		esttab ${smd_panel_c_m} using "${st_out_rtf}", ${slb_panel_c_main} ${slb_esttab_opt_txt} append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter.rtf)

.
. ////////////////////////////////////////////////
> ///--- H3. Output Results to Tex
> ////////////////////////////////////////////////
>
. 		esttab $smd_panel_a_m using "${st_out_tex}", ///
> 			${slb_panel_a_main} ///
> 			${slb_refcat_panel_a} ///
> 			${slb_esttab_opt_tex} ///
> 			fragment $headlineAll postfoot("") replace
(note: file C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter_texbody.tex not found)
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter_texbody.tex)

.
. 		esttab $smd_panel_b_m using "${st_out_tex}", ///
> 			${slb_panel_b_main} ///
> 			${slb_refcat_panel_b} ///
> 			${slb_esttab_opt_tex} ///
> 			fragment prehead("") postfoot("") append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter_texbody.tex)

.
. 		esttab $smd_panel_c_m using "${st_out_tex}", ///
> 			${slb_panel_c_main} ///
> 			${slb_refcat_panel_c} ///
> 			${slb_esttab_opt_tex} ///
> 			${slb_titling_bottom} ///
> 			addnotes(${slb_note}) ///
> 			fragment prehead("") $postAll append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_dis2inter\tab_6col_dis2inter_texbody.tex)

.
. ////////////////////////////////////////////////
> ///--- I. Out Logs
> ////////////////////////////////////////////////
>
. ///--- End Log and to HTML
> log close
      name:  <unnamed>
       log:  C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_dis2inter\gen_reg.smcl
  log type:  smcl
 closed on:  14 Aug 2019, 03:00:52
-------------------------------------------------------------------------------

.
. ///--- to PDF
> capture noisily {
. 		translator set Results2pdf logo off
. 		translator set Results2pdf fontsize 10
. 		translator set Results2pdf pagesize custom
. 		translator set Results2pdf pagewidth 11.69
. 		translator set Results2pdf pageheight 16.53
. 		translator set Results2pdf lmargin 0.2
. 		translator set Results2pdf rmargin 0.2
. 		translator set Results2pdf tmargin 0.2
. 		translator set Results2pdf bmargin 0.2
. 		translate @Results "${st_log_file}.pdf", replace translator(Results2pdf)
```