

```
. 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 continous variable and discrete variables, discrete variables could interact with each other, and interact with c
>
>
> */
.
. ///--- File Names
> global st_file_root "~\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\"

. global st_log_file "${st_file_root}gen_reg"

. global st_out_html "${st_file_root}tab_6col_cts_dis2inter.html"

. global st_out_rtf "${st_file_root}tab_6col_cts_dis2inter.rtf"

. global st_out_tex "${st_file_root}tab_6col_cts_dis2inter_texbody.tex"

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

. log using "${st_log_file}" , replace
(note: file C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\gen_reg.smcl not found)
```

name: <unnamed>
log: C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\gen_reg.smcl
log type: smcl
opened on: 16 Aug 2019, 23:11:27

```
. 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
```

Sex	Status		Total
	Before	After	
Male	60	60	120
Female	60	60	120
Total	120	120	240

```
. tab sex agegrp
```

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

```

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. 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 "patient agegrp sex"

.      global svr_rhs_panel_b "patient ibl.agegrp ibl.sex_when"

.      global svr_rhs_panel_c "sex i.sex#c.patient 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 patient agegrp sex if bp <= 185 , vce(robust)
      regress bp patient agegrp sex if bp <= 180 , vce(robust)
      regress bp patient agegrp sex if bp <= 175 , vce(robust)
      regress bp patient agegrp sex if bp <= 170 , vce(robust)
      regress bp patient agegrp sex if bp <= 165 , vce(robust)
      regress bp patient 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 patient ib1.agegrp ib1.sex_when if bp <= 185 , vce(robust)
          regress bp patient ib1.agegrp ib1.sex_when if bp <= 180 , vce(robust)
          regress bp patient ib1.agegrp ib1.sex_when if bp <= 175 , vce(robust)
          regress bp patient ib1.agegrp ib1.sex_when if bp <= 170 , vce(robust)
          regress bp patient ib1.agegrp ib1.sex_when if bp <= 165 , vce(robust)
          regress bp patient 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 i.sex#c.patient io(1 3).sex_when io(1 4).sex_agegrp if bp <= 185 , vce(robust)
          regress bp sex i.sex#c.patient io(1 3).sex_when io(1 4).sex_agegrp if bp <= 180 , vce(robust)
          regress bp sex i.sex#c.patient io(1 3).sex_when io(1 4).sex_agegrp if bp <= 175 , vce(robust)
          regress bp sex i.sex#c.patient io(1 3).sex_when io(1 4).sex_agegrp if bp <= 170 , vce(robust)
          regress bp sex i.sex#c.patient io(1 3).sex_when io(1 4).sex_agegrp if bp <= 165 , vce(robust)
          regress bp sex i.sex#c.patient 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(3, 236)	=	29.46
		Prob > F	=	0.0000
		R-squared	=	0.2341
		Root MSE	=	11.523

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.1283835	.1265363	1.01	0.311	-.1209015	.3776684
agegrp	3.819831	2.716641	1.41	0.161	-1.532133	9.171795
sex	-14.67801	7.915927	-1.85	0.065	-30.27291	.9168972
_cons	145.8363	2.621823	55.62	0.000	140.6711	151.0015

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(3, 228)	=	25.68
	Prob > F	=	0.0000
	R-squared	=	0.2204
	Root MSE	=	10.669

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.0443562	.1187762	0.37	0.709	-.1896832	.2783957
agegrp	4.860528	2.603464	1.87	0.063	-.2693982	9.990454
sex	-8.792707	7.457118	-1.18	0.240	-23.48639	5.900971
_cons	145.006	2.549299	56.88	0.000	139.9828	150.0292

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(3, 223)	=	23.71
	Prob > F	=	0.0000
	R-squared	=	0.2136
	Root MSE	=	10.319

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.0376248	.1141743	0.33	0.742	-.1873739	.2626235
agegrp	4.637565	2.470437	1.88	0.062	-.230824	9.505954
sex	-8.249339	7.155532	-1.15	0.250	-22.35045	5.851773
_cons	145.127	2.430705	59.71	0.000	140.3369	149.9171

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(3, 208)	=	15.47
	Prob > F	=	0.0000
	R-squared	=	0.1570
	Root MSE	=	9.6702

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	-.0636388	.1104288	-0.58	0.565	-.281342	.1540644
agegrp	5.689328	2.402404	2.37	0.019	.9531463	10.42551
sex	-.4410331	6.899728	-0.06	0.949	-14.0434	13.16133
_cons	143.997	2.337141	61.61	0.000	139.3895	148.6046

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(3, 189)	=	18.37
	Prob > F	=	0.0000
	R-squared	=	0.1800
	Root MSE	=	8.4916

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.0197636	.0989497	0.20	0.842	-.175424	.2149512
agegrp	3.851744	2.13548	1.80	0.073	-.3606928	8.064181
sex	-5.500256	6.273604	-0.88	0.382	-17.87554	6.875024
_cons	143.5645	2.170374	66.15	0.000	139.2832	147.8457

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(3, 163)	=	11.97
	Prob > F	=	0.0000
	R-squared	=	0.1424
	Root MSE	=	7.5963

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	-0.099078	.0945698	-1.05	0.296	-.2858178	.0876619
agegrp	5.334598	2.036963	2.62	0.010	1.312361	9.356835
sex	2.744672	6.0583	0.45	0.651	-9.218196	14.70754
_cons	141.6706	2.032228	69.71	0.000	137.6578	145.6835

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(6, 233)	=	19.17
	Prob > F	=	0.0000
	R-squared	=	0.2775
	Root MSE	=	11.263

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.1283835	.1254616	1.02	0.307	-.1188006	.3755675
agegrp						
46-59	2.369831	3.092823	0.77	0.444	-3.723641	8.463303
60+	7.639662	5.385333	1.42	0.157	-2.970509	18.24983
sex_when						
Male After	-3.75	2.237523	-1.68	0.095	-8.158362	.6583621
Female Before	-13.33634	7.944989	-1.68	0.095	-28.98954	2.316857
Female After	-19.76967	8.048691	-2.46	0.015	-35.62719	-3.912162
_cons	152.0145	1.89543	80.20	0.000	148.2801	155.7488

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(6, 225)	=	17.84
	Prob > F	=	0.0000
	R-squared	=	0.2754
	Root MSE	=	10.353

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.0488736	.1189291	0.41	0.682	-.1854838	.283231
agegrp						
46-59	2.489842	2.969982	0.84	0.403	-3.362696	8.34238
60+	9.591768	5.176854	1.85	0.065	-.6095508	19.79309
sex_when						
Male After	-4.705451	2.064546	-2.28	0.024	-8.773769	-.6371323
Female Before	-8.464161	7.556119	-1.12	0.264	-23.35397	6.42565
Female After	-14.08438	7.581854	-1.86	0.065	-29.02491	.8561414
_cons	152.8341	1.818088	84.06	0.000	149.2515	156.4168

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(6, 220)	=	16.93
	Prob > F	=	0.0000
	R-squared	=	0.2752
	Root MSE	=	9.9739

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.0443337	.113822	0.39	0.697	-.1799873	.2686548
agegrp						
46-59	2.863852	2.856052	1.00	0.317	-2.764872	8.492575
60+	8.970336	4.89479	1.83	0.068	-.6763434	18.61702
sex_when						
Male After	-4.340435	2.031306	-2.14	0.034	-8.343744	-.3371256
Female Before	-7.548927	7.221034	-1.05	0.297	-21.78018	6.682327
Female After	-13.99219	7.159061	-1.95	0.052	-28.10131	.1169256
_cons	152.3897	1.751942	86.98	0.000	148.937	155.8425

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(6, 205)	=	11.74
	Prob > F	=	0.0000
	R-squared	=	0.2293
	Root MSE	=	9.3135

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	-.0636163	.1081563	-0.59	0.557	-.2768576	.149625
agegrp						
46-59	4.075106	2.78751	1.46	0.145	-1.420759	9.570972
60+	11.57384	4.70238	2.46	0.015	2.302606	20.84507
sex_when						
Male After	-3.654775	1.940851	-1.88	0.061	-7.481364	.1718133
Female Before	.9703752	6.916485	0.14	0.889	-12.66619	14.60694
Female After	-5.585448	6.87107	-0.81	0.417	-19.13247	7.961579
_cons	152.059	1.560265	97.46	0.000	148.9828	155.1353

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(6, 186)	=	15.07
	Prob > F	=	0.0000
	R-squared	=	0.2713
	Root MSE	=	8.0691

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	.0266643	.0959941	0.28	0.781	-.1627128	.2160413
agegrp						
46-59	2.131048	2.538799	0.84	0.402	-2.877495	7.139591
60+	7.735226	4.166571	1.86	0.065	-.4845867	15.95504
sex_when						
Male After	-4.644686	1.88693	-2.46	0.015	-8.367222	-.9221497
Female Before	-5.203548	6.19998	-0.84	0.402	-17.43487	7.027774
Female After	-11.1575	6.200109	-1.80	0.074	-23.38907	1.074078
_cons	150.1617	1.413083	106.27	0.000	147.3739	152.9494

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(6, 160)

=

10.35

Prob > F

=

0.0000

R-squared

=

0.2285

Root MSE

=

7.2721

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
patient	- .0865983	.0939116	-0.92	0.358	-.2720644	.0988678
agegrp						
46-59	4.713949	2.484014	1.90	0.060	-.1917344	9.619632
60+	10.44617	4.037944	2.59	0.011	2.47163	18.42071
sex when						
Male After	-4.954486	1.846948	-2.68	0.008	-8.602027	-1.306946
Female Before	1.95277	6.086056	0.32	0.749	-10.06659	13.97213
Female After	-2.647568	6.073748	-0.44	0.663	-14.64262	9.347486
_cons	149.505	1.223094	122.24	0.000	147.0895	151.9205

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(9, 230)

=

12.98

Prob > F

=

0.0000

R-squared

=

0.2881

Root MSE

=

11.253

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-8.571303	12.05345	-0.71	0.478	-32.3206	15.17799
sex#c.patient						
Male	.1492481	.1866925	0.80	0.425	-.2185981	.5170943
Female	.1075188	.1687942	0.64	0.525	-.2250617	.4400993
sex when						
Male After	-3.75	2.238078	-1.68	0.095	-8.159756	.6597557
Female Before	0	(omitted)				
Female After	-6.433333	1.852855	-3.47	0.001	-10.08407	-2.782595
sex_agegrp						
Male 46-59	5.215038	4.661824	1.12	0.264	-3.970302	14.40038
Male 60+	8.155075	7.820317	1.04	0.298	-7.253545	23.5637
Female 30-45	0	(omitted)				
Female 46-59	-.4753759	4.143604	-0.11	0.909	-8.63965	7.688898
Female 60+	7.124248	7.400961	0.96	0.337	-7.4581	21.7066
_cons	150.2579	2.604888	57.68	0.000	145.1254	155.3904

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(9, 222)

=

12.02

Prob > F

=

0.0000

R-squared

=

0.2797

Root MSE

=

10.392

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-5.937954	11.53215	-0.51	0.607	-28.66444	16.78853
sex#c.patient						
Male	.0558504	.1776034	0.31	0.753	-.2941539	.4058548
Female	.0437041	.1605381	0.27	0.786	-.2726696	.3600777
sex when						
Male After	-4.695194	2.069845	-2.27	0.024	-8.774253	-.6161339
Female Before	0	(omitted)				
Female After	-5.608697	1.784171	-3.14	0.002	-9.124777	-2.092617
sex_agegrp						
Male 46-59	4.227835	4.417901	0.96	0.340	-4.478555	12.93422
Male 60+	10.67052	7.483444	1.43	0.155	-4.07716	25.4182
Female 30-45	0	(omitted)				
Female 46-59	.800919	4.033334	0.20	0.843	-7.147603	8.749441
Female 60+	8.439884	7.197839	1.17	0.242	-5.744951	22.62472
_cons	151.7112	2.526694	60.04	0.000	146.7318	156.6905

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(9, 217)	=	11.82
Prob > F	=	0.0000
R-squared	=	0.2827
Root MSE	=	9.9906

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-8.168942	10.85991	-0.75	0.453	-29.57334	13.23546
sex#c.patient						
Male	.0029094	.1720731	0.02	0.987	-.3362392	.3420579
Female	.0849958	.1503465	0.57	0.572	-.2113305	.3813222
sex_when						
Male After	-4.293732	2.029225	-2.12	0.035	-8.293247	-.2942175
Female Before	0	(omitted)				
Female After	-6.454482	1.710256	-3.77	0.000	-9.825322	-3.083641
sex_agegrp						
Male 46-59	5.88282	4.233308	1.39	0.166	-2.460844	14.22649
Male 60+	12.56591	7.155822	1.76	0.080	-1.537904	26.66972
Female 30-45	0	(omitted)				
Female 46-59	-.0249167	3.86012	-0.01	0.995	-7.633045	7.583212
Female 60+	5.448499	6.633877	0.82	0.412	-7.626582	18.52358
_cons	151.454	2.487916	60.88	0.000	146.5504	156.3575

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(9, 202)	=	8.80
Prob > F	=	0.0000
R-squared	=	0.2373
Root MSE	=	9.3337

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-6.922219	10.38374	-0.67	0.506	-27.39664	13.5522
sex#c.patient						
Male	-.1859594	.1620238	-1.15	0.252	-.5054344	.1335155
Female	.0533374	.1449934	0.37	0.713	-.2325573	.3392321
sex_when						
Male After	-3.664238	1.954294	-1.87	0.062	-7.517671	.1891952
Female Before	0	(omitted)				
Female After	-6.566082	1.676381	-3.92	0.000	-9.871531	-3.260633
sex_agegrp						
Male 46-59	7.694627	4.121967	1.87	0.063	-.4329742	15.82223
Male 60+	17.87028	6.702235	2.67	0.008	4.65497	31.0856
Female 30-45	0	(omitted)				
Female 46-59	.6082517	3.780976	0.16	0.872	-6.846992	8.063495
Female 60+	5.623171	6.514702	0.86	0.389	-7.222371	18.46871
_cons	152.495	2.186225	69.75	0.000	148.1842	156.8057

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(9, 183)	=	10.30
Prob > F	=	0.0000
R-squared	=	0.2749
Root MSE	=	8.1151

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-8.186241	8.944958	-0.92	0.361	-25.83475	9.462267
sex#c.patient						
Male	-.0211483	.1489393	-0.14	0.887	-.3150073	.2727106
Female	.0789177	.1237175	0.64	0.524	-.1651785	.3230139
sex_when						
Male After	-4.593701	1.923501	-2.39	0.018	-8.388791	-.7986101

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Female Before	0 (omitted)					
Female After	-5.935794	1.439471	-4.12	0.000	-8.775887	-3.095701
sex_agegrp						
Male 46-59	4.17186	3.982507	1.05	0.296	-3.685673	12.02939
Male 60+	10.48182	6.338151	1.65	0.100	-2.023428	22.98707
Female 30-45	0 (omitted)					
Female 46-59	.0525301	3.197214	0.02	0.987	-6.255611	6.360671
Female 60+	4.841583	5.381491	0.90	0.369	-5.776164	15.45933
_cons	150.0508	1.934106	77.58	0.000	146.2348	153.8668

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(9, 157)	=	7.65
Prob > F	=	0.0000
R-squared	=	0.2418
Root MSE	=	7.2777

bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-2.431326	8.354159	-0.29	0.771	-18.93237	14.06972
sex#c.patient						
Male	-.1717534	.1532649	-1.12	0.264	-.4744806	.1309739
Female	-.0085616	.1148928	-0.07	0.941	-.2354967	.2183734
sex when						
Male After	-4.859105	1.864118	-2.61	0.010	-8.54109	-1.177119
Female Before	0 (omitted)					
Female After	-4.545929	1.359704	-3.34	0.001	-7.231602	-1.860255
sex_agegrp						
Male 46-59	8.327497	3.979013	2.09	0.038	.4681941	16.1868
Male 60+	15.34781	6.332952	2.42	0.017	2.839032	27.85659
Female 30-45	0 (omitted)					
Female 46-59	1.526448	3.081686	0.50	0.621	-4.560465	7.613362
Female 60+	6.065932	4.968136	1.22	0.224	-3.747077	15.87894
_cons	149.2919	1.786704	83.56	0.000	145.7629	152.821

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)"
```

```

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.
. ///--- 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 patient
> "
.
. global svr_coef_keep_panel_b "
> patient
> 2.agegrp 3.agegrp
> 2.sex_when 3.sex_when 4.sex_when
> "
.
. global svr_coef_keep_panel_c "
>
> sex
>
> 0.sex#c.patient
> 2.sex_when
> 2.sex_agegrp 3.sex_agegrp
>
> 1.sex#c.patient
> 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}"
.
. global slb_fot_1st_spc "\vspace*{0mm}\hspace*{2mm}"

.
. #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"
> patient "${slb_1st_ele_spc}patient ID"
> "
.
. #delimit cr
delimiter now cr
.
. #delimit;
delimiter now ;
. global svr_starts_var_panel_b "patient";

.
. 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 "
> patient "${slb_1st_ele_spc}patient ID"
> 2.agegrp "${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 "0.sex#c.patient";

.
. global svr_starts_var_panel_c_sa_ga "2.sex_when";

```

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. global svr_starts_var_panel_c_sa_gb "2.sex_agegrp";

. global svr_starts_var_panel_c_sb "1.sex#c.patient";

. 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"
>
> 0.sex#c.patient "\${slb_dis_ele_spc} male x patient ID"
> 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)"
>
> 1.sex#c.patient "\${slb_dis_ele_spc} male x patient ID"
> 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_starLvl})\"

. #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	3.820 (1.41)	4.861* (1.87)	4.638* (1.88)	5.689** (2.37)	3.852* (1.80)	5. (2.
\\vspace*{0mm}\\hspace*{5mm}se~a	-14.68* (-1.85)	-8.793 (-1.18)	-8.249 (-1.15)	-0.441 (-0.06)	-5.500 (-0.88)	2. (0.
\\vspace*{0mm}\\hspace*{5mm}pa~n	0.128 (1.01)	0.0444 (0.37)	0.0376 (0.33)	-0.0636 (-0.58)	0.0198 (0.20)	-0.0 (-1.
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

Panel B: Two Discrete Right Hand Side Variables

	bp <= 185	bp <= 180	bp <= 175	bp <= 170	bp <= 165	bp <=
\vspace*{0mm}\hspace*{5mm}pa~n	0.128 (1.02)	0.0489 (0.41)	0.0443 (0.39)	-0.0636 (-0.59)	0.0267 (0.28)	-0.0 (-0.
\vspace*{0mm}\hspace*{5mm} ~46	2.370 (0.77)	2.490 (0.84)	2.864 (1.00)	4.075 (1.46)	2.131 (0.84)	4. (1.
\vspace*{0mm}\hspace*{5mm} x~6	7.640 (1.42)	9.592* (1.85)	8.970* (1.83)	11.57** (2.46)	7.735* (1.86)	10 (2.
\vspace*{0mm}\hspace*{5mm} x~1	-3.750* (-1.68)	-4.705** (-2.28)	-4.340** (-2.14)	-3.655* (-1.88)	-4.645** (-2.46)	-4. (-2.
\vspace*{0mm}\hspace*{5mm} x~m	-13.34* (-1.68)	-8.464 (-1.12)	-7.549 (-1.05)	0.970 (0.14)	-5.204 (-0.84)	1 (0.
\vspace*{0mm}\hspace*{5mm} x~m	-19.77** (-2.46)	-14.08* (-1.86)	-13.99* (-1.95)	-5.585 (-0.81)	-11.16* (-1.80)	-2. (-0.
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	-8.571 (-0.71)	-5.938 (-0.51)	-8.169 (-0.75)	-6.922 (-0.67)	-8.186 (-0.92)	-2. (-0.
\vspace*{0mm}\hspace*{5mm} m~	0.149 (0.80)	0.0559 (0.31)	0.00291 (0.02)	-0.186 (-1.15)	-0.0211 (-0.14)	-0. (-1.
\vspace*{0mm}\hspace*{5mm} x~1	-3.750* (-1.68)	-4.695** (-2.27)	-4.294** (-2.12)	-3.664* (-1.87)	-4.594** (-2.39)	-4. (-2.
\vspace*{0mm}\hspace*{5mm} x~1	5.215 (1.12)	4.228 (0.96)	5.883 (1.39)	7.695* (1.87)	4.172 (1.05)	8. (2.
\vspace*{0mm}\hspace*{5mm} x~1	8.155 (1.04)	10.67 (1.43)	12.57* (1.76)	17.87*** (2.67)	10.48* (1.65)	15 (2.
\vspace*{0mm}\hspace*{5mm} m~	0.108 (0.64)	0.0437 (0.27)	0.0850 (0.57)	0.0533 (0.37)	0.0789 (0.64)	-0.00 (-0.
\vspace*{0mm}\hspace*{5mm} x~1	-6.433*** (-3.47)	-5.609*** (-3.14)	-6.454*** (-3.77)	-6.566*** (-3.92)	-5.936*** (-4.12)	-4. (-3.
\vspace*{0mm}\hspace*{5mm} x~m	-0.475 (-0.11)	0.801 (0.20)	-0.0249 (-0.01)	0.608 (0.16)	0.0525 (0.02)	1. (0.
\vspace*{0mm}\hspace*{5mm} x~m	7.124 (0.96)	8.440 (1.17)	5.448 (0.82)	5.623 (0.86)	4.842 (0.90)	6. (1.
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_cmrule "\cmidrule(lr){2-3}\cmidrule(lr){4-5}\cmidrule(lr){6-7}"
.    global st_cmrule "\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 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} >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm}
> >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm}

////////////////////////////////////
> ///--- Gla. 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

////////////////////////////////////
> ///--- Glb. Tex Sectioning panel B
> //////////////////////////////////////
>

if ("\${svr_starts_var_panel_b}" == "\${svr_starts_var_panel_b_ga}") {
#delimit ;
delimiter now ;

```

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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{${slb_panel_c}} \\"
    ColWidLegend}cm)}${slb_dis_tlt_spc}\textbf{\textit{${slb_panel_c_sa}}}} \\"
    ColWidLegend}cm)}${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_c_sa_gb}}
    ${svr_starts_var_panel_c_sb} "\multicolumn{$totColCnt}{L}{$totColWidLegend}cm)}${slb_dis_tlt_spc}\textbf{\textit{${slb_
    ColWidLegend}cm)}${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{${slb_panel_c_sb_gb}}
";
global slb_refcat_panel_c `refcat(${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{${slb_
    ColWidLegend}cm)}${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_c_sa_gb}}
    ${svr_starts_var_panel_c_sb} "\multicolumn{$totColCnt}{L}{$totColWidLegend}cm)}${slb_dis_tlt_spc}\textbf{\textit{${slb_
    ColWidLegend}cm)}${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{${slb_panel_c_sb_gb}}
";
global slb_refcat_panel_c `refcat(${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_cmldrle}\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_c_sa_ga}}
    ${svr_starts_var_panel_c_sa_gb} "\multicolumn{$totColCnt}{L}{$totColWidLegend}cm)}${slb_dis_tlt_spc}\textit{${slb_panel_c_sa_gb}}
    ${svr_starts_var_panel_c_sb} "${st_cmldrle}\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_c_sb_ga}}
    ${svr_starts_var_panel_c_sb_gb} "\multicolumn{$totColCnt}{L}{$totColWidLegend}cm)}${slb_dis_tlt_spc}\textit{${slb_panel_c_sb_gb}}
";
global slb_refcat_panel_c `refcat(${slb_titling_panel_c}, nolabel)``;
#delimit cr
delimiter now cr
.
}

.
////////////////////////////////////////
> ///--- G1d. Bottom
> //////////////////////////////////////
>

```

```
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#delimit cr
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 ${slb_bottom
> lst_spc}${slb_estd_1}}"
> "${slb_fot_1st_spc}${slb_estd_2}"
> "${slb_fot_1st_spc}${slb_estd_3}"
> "${slb_fot_1st_spc}${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 = $colCtr + 1
3. global curCollMin = `curCol' - 1
4. if ($colCtr == 0 ) {
5. global minCoefCol = "`curCol'"
6. }
7. if ($colCtr != 0 ) {
8. global gapCnt = (`curCol' - `lastCol')
9. global gapWidth = (`curCol' - `lastCol')*$perCoefColWid
10. di "curCollMin:$curCollMin, lastCol:`lastCol'"
11. di "$gapCnt"
12.
. di "\multicolumn{$gapCnt}{C{${gapWidth}cm}}{\small no Control}"
13. di "\cmidrule(l{5pt}r{5pt}){`lastCol'-$curCollMin}"
14.
. global curRow2MidLine "\cmidrule(l{5pt}r{5pt}){`lastCol'-$curCollMin}"
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.
. }
curCollMin:3, lastCol:2
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(l{5pt}r{5pt}){2-3}
curCollMin:5, lastCol:4
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(l{5pt}r{5pt}){4-5}
curCollMin: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}){${minCoefCol}-${curCollMin}} "

.
. ///--- 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}}{\small
```

```

\cmidrule(1{5pt}r{5pt}){2-3} \cmidrule(1{5pt}r{5pt}){4-5} \cmidrule(1{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}}
> column{1}{C{1.85cm}}{{\small No Teachng Points}} & \multicolumn{1}{C{1.85cm}}{{\small All Villages}} & \multicolumn{1}{C{1.85cm}}{{\small

.
.      ///--- 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${slb_note}}\\
>      ";

.      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
(output written to ~\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\tab_6col_cts_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_cts_dis2inter\tab_6col_cts_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_cts_dis2inter\tab_6col_cts_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
(output written to ~\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\tab_6col_cts_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_cts_dis2inter\tab_6col_cts_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_cts_dis2inter\tab_6col_cts_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
(output written to ~\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\tab_6col_cts_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_cts_dis2inter\tab_6col_cts_dis2inter_texbody.tex)
```



```
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.
.      esttab $smd_panel_c_m using "${st_out_tex}", ///
>      ${slb_panel_c_main} ///
>      ${slb_refcat_panel_c} ///
>      ${slb_esttab_opt_tex} ///
>      ${slb_titling_bottom} ///
>      fragment prehead("") $postAll append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\tab_6col_cts_dis2inter_texbody.tex)

.
. ///////////////////////////////////////////////////
> ///--- I. Out Logs
> ///////////////////////////////////////////////////
>
. ///--- End Log and to HTML
> log close
    name: <unnamed>
    log:  C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_cts_dis2inter\gen_reg.smcl
    log type: smcl
closed on: 16 Aug 2019, 23:11:31
```

```
.
. ///--- 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)
```