

```
. 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: 16 Aug 2019, 23:11:32

```
. 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 "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
```

bp	Coef.	Robust 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

bp	Coef.	Robust 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

bp	Coef.	Robust 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

bp	Coef.	Robust 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

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bp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
agegrp 46-59 60+	3.748175	1.671781	2.24	0.026	.4535027	7.042847
	10.74304	1.559562	6.89	0.000	7.669518	13.81655
sex_when Male After Female Before Female After	-4.339404	2.025927	-2.14	0.033	-8.332012	-.3467965
	-4.887012	1.645815	-2.97	0.003	-8.130512	-1.643512
	-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 regressionNumber 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 60+	2.822553	1.588424	1.78	0.077	-.3090997	5.954205
	9.049609	1.520009	5.95	0.000	6.052841	12.04638
sex_when Male After Female Before Female After	-3.651102	1.943865	-1.88	0.062	-7.483522	.1813183
	-2.874524	1.570737	-1.83	0.069	-5.971306	.2222575
	-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 regressionNumber 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 60+	2.658862	1.419048	1.87	0.063	-.1405385	5.458262
	8.806755	1.37817	6.39	0.000	6.087996	11.52551
sex_when Male After Female Before Female After	-4.613354	1.872319	-2.46	0.015	-8.306935	-.9197723
	-3.575851	1.407617	-2.54	0.012	-6.352701	-.7990016
	-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 regressionNumber of obs = 167
F(5, 161) = 12.04
Prob > F = 0.0000
R-squared = 0.2248
Root MSE = 7.2672

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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

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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}"
. 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"
>
";

. #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_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	6.388*** (7.25)	5.744*** (6.80)	5.390*** (6.61)	4.427*** (5.64)	4.249*** (5.89)	3.849*** (4.89)
\vspace*{0mm}\hspace*{5mm}se~a	-6.975*** (-4.69)	-6.130*** (-4.38)	-5.986*** (-4.37)	-4.292*** (-3.23)	-4.309*** (-3.52)	-3.849*** (-2.89)
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*** (2.75)	3.460** (2.05)	3.748** (2.24)	2.823* (1.78)	2.659* (1.87)	2.469* (2.04)
\vspace*{0mm}\hspace*{5mm} x~6	12.77*** (7.44)	11.54*** (7.06)	10.74*** (6.89)	9.050*** (5.95)	8.807*** (6.39)	7.807*** (5.89)
\vspace*{0mm}\hspace*{5mm} x~1	-3.750* (-1.68)	-4.701** (-2.28)	-4.339** (-2.14)	-3.651* (-1.88)	-4.613** (-2.46)	-5.469** (-2.89)
\vspace*{0mm}\hspace*{5mm} x~m	-5.633*** (-3.04)	-5.532*** (-3.27)	-4.887*** (-2.97)	-2.875* (-1.83)	-3.576** (-2.54)	-3.849** (-2.89)
\vspace*{0mm}\hspace*{5mm} x~m	-12.07*** (-6.36)	-11.14*** (-6.16)	-11.32*** (-6.63)	-9.436*** (-5.82)	-9.539*** (-6.61)	-7.807*** (-5.89)
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 (-0.98)	-3.444 (-1.35)	-2.218 (-0.91)	-1.248 (-0.54)	-2.424 (-1.16)	-1.849 (-0.89)
\vspace*{0mm}\hspace*{5mm} x~1	-3.750* (-1.68)	-4.689** (-2.28)	-4.294** (-2.13)	-3.650* (-1.86)	-4.618** (-2.44)	-5.469** (-2.89)
\vspace*{0mm}\hspace*{5mm} x~1	8.200*** (2.80)	5.328* (1.96)	5.941** (2.22)	4.101 (1.65)	3.772 (1.61)	4.469 (2.04)
\vspace*{0mm}\hspace*{5mm} x~1	14.12*** (5.61)	12.90*** (5.37)	12.68*** (5.46)	10.51*** (4.50)	9.643*** (4.40)	8.807*** (4.89)

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$\backslash\text{vspace}\{0\text{mm}\}\backslash\text{hspace}\{5\text{mm}\}$ x~l	-6.433*** (-3.48)	-5.601*** (-3.15)	-6.431*** (-3.76)	-6.561*** (-3.93)	-5.962*** (-4.16)	-4.333*** (-3.48)
$\backslash\text{vspace}\{0\text{mm}\}\backslash\text{hspace}\{5\text{mm}\}$ x~m	1.675 (0.82)	1.675 (0.82)	1.675 (0.82)	1.675 (0.82)	1.676 (0.98)	1.675 (0.82)
$\backslash\text{vspace}\{0\text{mm}\}\backslash\text{hspace}\{5\text{mm}\}$ x~m	11.42*** (4.91)	10.18*** (4.58)	8.839*** (4.25)	7.744*** (3.90)	8.051*** (4.63)	5.601*** (3.48)
N	240	232	227	212	193	240
bpge185	Yes	No	No	No	No	No
bpge180	Yes	Yes	No	No	No	No
bpge170	Yes	Yes	Yes	Yes	No	No
bpge160	Yes	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 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
```

```
.
.      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}

.
.      //////////////////////////////////////
> ///--- 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 ;
.          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

.
.      //////////////////////////////////////
> ///--- Glc. 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{${slb_panel_c_sb_ga}}}}\ \"
>          ColWidLegend}cm}}{${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}}}\ \"
>          ";
```

```
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. 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
> ${svr_starts_var_panel_c_sb} "\multicolumn{$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{$slb_panel
> ";
. global slb_refcat_panel_c "refcat(${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_cmrule}\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_cmrule}\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
. }

.
. ///////////////////////////////////////////////////
> ///--- Gld. 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 $slb_bottom
> lst_spc}${slb_estd_1}"
> "${slb_fot_lst_spc}${slb_estd_2}"
> "${slb_fot_lst_spc}${slb_estd_3}"
> "${slb_fot_lst_spc}${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 = $colCtr + 1
3. global curCol1Min = `curCol' - 1
4. if ($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.
```

```
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. 19. local lastCol = `curCol'
. 20.
. }
curCollMin:3, lastCol:2
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(1{5pt}r{5pt}){2-3}
curCollMin:5, lastCol:4
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(1{5pt}r{5pt}){4-5}
curCollMin:7, lastCol:6
2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(1{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(1{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(1{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 No Teachng Points}

.
. di "$row2MidLine"
\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}}{\small All Villages} & \multicolumn{1}{C{1.85cm}}{\small No Teachng Points} & \multicolumn{1}{C{1.85cm}}{\small All Villages} & \multicolumn{1}{C{1.85cm}}{\small No Teachng Points}
> column{1}{C{1.85cm}}{\small No Teachng Points} & \multicolumn{1}{C{1.85cm}}{\small All Villages} & \multicolumn{1}{C{1.85cm}}{\small No Teachng Points} & \multicolumn{1}{C{1.85cm}}{\small All Villages} & \multicolumn{1}{C{1.85cm}}{\small No Teachng Points} & \multicolumn{1}{C{1.85cm}}{\small All Villages}

.
. ///--- 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
```

```
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.
. ///////////////////////////////////////////////////
> ///--- 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_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
(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
(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} ///
>          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: 16 Aug 2019, 23:11:36

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