

```
. 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_inter\"

. global st_log_file "${st_file_root}gen_reg"

. global st_out_html "${st_file_root}tab_6col_cts_inter.html"

. global st_out_rtf "${st_file_root}tab_6col_cts_inter.rtf"

. global st_out_tex "${st_file_root}tab_6col_cts_inter_texbody.tex"

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

. log using "${st_log_file}" , replace
(note: file C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_cts_inter\gen_reg.smcl not found)
```

```
name: <unnamed>
log: C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_cts_inter\gen_reg.smcl
log type: smcl
opened on: 17 Aug 2019, 22:15:35
```

```
. 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 "when"

.
.      * for each panel, rhs variables differ
.      global svr_rhs_panel_a "sex c.patient c.bp"

.      global svr_rhs_panel_b "sex i.sex#c.patient i.sex#c.bp"

.
.      * 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 when sex c.patient c.bp if bp <= 185 , vce(robust)
.          regress when sex c.patient c.bp if bp <= 180 , vce(robust)
.          regress when sex c.patient c.bp if bp <= 175 , vce(robust)
.          regress when sex c.patient c.bp if bp <= 170 , vce(robust)
.          regress when sex c.patient c.bp if bp <= 165 , vce(robust)
.          regress when sex c.patient c.bp 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 when sex i.sex#c.patient i.sex#c.bp if bp <= 185 , vce(robust)
          regress when sex i.sex#c.patient i.sex#c.bp if bp <= 180 , vce(robust)
          regress when sex i.sex#c.patient i.sex#c.bp if bp <= 175 , vce(robust)
          regress when sex i.sex#c.patient i.sex#c.bp if bp <= 170 , vce(robust)
          regress when sex i.sex#c.patient i.sex#c.bp if bp <= 165 , vce(robust)
          regress when sex i.sex#c.patient i.sex#c.bp if bp <= 160 , vce(robust)

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

.      local it_reg_ctr = 0

.      foreach st_panel in panel_a panel_b {
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)	=	4.46
Prob > F	=	0.0045
R-squared	=	0.0492
Root MSE	=	.49165

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-.2404608	.1416798	-1.70	0.091	-.5195795	.0386579
patient	.0028836	.0020142	1.43	0.154	-.0010846	.0068517
bp	-.0096699	.0026499	-3.65	0.000	-.0148904	-.0044494
_cons	2.934006	.3927211	7.47	0.000	2.160319	3.707693

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)	=	5.39
Prob > F	=	0.0013
R-squared	=	0.0597
Root MSE	=	.48907

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-.239018	.141754	-1.69	0.093	-.5183334	.0402974
patient	.0031009	.002026	1.53	0.127	-.0008911	.0070929
bp	-.0114352	.0028459	-4.02	0.000	-.0170428	-.0058275
_cons	3.181703	.4214657	7.55	0.000	2.351237	4.012169

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)	=	6.75
Prob > F	=	0.0002
R-squared	=	0.0704
Root MSE	=	.48638

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-.2420362	.1417656	-1.71	0.089	-.5214079	.0373355
patient	.0028166	.0020453	1.38	0.170	-.0012141	.0068472
bp	-.0128604	.0028822	-4.46	0.000	-.0185402	-.0071805
_cons	3.410141	.4226693	8.07	0.000	2.577204	4.243078

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)	=	6.53
Prob > F	=	0.0003
R-squared	=	0.0709
Root MSE	=	.48646

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-.2605732	.1465821	-1.78	0.077	-.5495502	.0284039
patient	.003001	.0021082	1.42	0.156	-.0011552	.0071572
bp	-.0136593	.0031405	-4.35	0.000	-.0198505	-.0074681
_cons	3.526874	.456005	7.73	0.000	2.62789	4.425858

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)	=	10.62
Prob > F	=	0.0000
R-squared	=	0.1012
Root MSE	=	.47885

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-.3473877	.1504561	-2.31	0.022	-.6441766	-.0505988
patient	.0044614	.0021227	2.10	0.037	.0002741	.0086486
bp	-.0186864	.0033354	-5.60	0.000	-.0252658	-.012107
_cons	4.215642	.4800821	8.78	0.000	3.268634	5.162649

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)	=	8.55
Prob > F	=	0.0000
R-squared	=	0.0993
Root MSE	=	.47927

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	-.2673843	.1636602	-1.63	0.104	-.5905518	.0557832
patient	.0038716	.0023375	1.66	0.100	-.0007441	.0084873
bp	-.020319	.0040177	-5.06	0.000	-.0282525	-.0123855
_cons	4.435791	.5716269	7.76	0.000	3.307042	5.56454

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)	=	3.26
	Prob > F	=	0.0073
	R-squared	=	0.0573
	Root MSE	=	.49164

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	.8621649	.7620109	1.13	0.259	-.6391137	2.363443
sex#c.patient						
Male	.0020791	.0029455	0.71	0.481	-.003724	.0078822
Female	.003764	.0027167	1.39	0.167	-.0015883	.0091163
sex#c.bp						
Male	-.0062902	.0036324	-1.73	0.085	-.0134467	.0008662
Female	-.0141569	.0038831	-3.65	0.000	-.0218072	-.0065065
_cons	2.426619	.5354844	4.53	0.000	1.371633	3.481606

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)	=	3.28
	Prob > F	=	0.0071
	R-squared	=	0.0617
	Root MSE	=	.49073

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	.2920941	.8400879	0.35	0.728	-1.363313	1.947501
sex#c.patient						
Male	.0023233	.0029951	0.78	0.439	-.0035786	.0082252
Female	.0038127	.002732	1.40	0.164	-.0015708	.0091961
sex#c.bp						
Male	-.0095492	.0038502	-2.48	0.014	-.017136	-.0019623
Female	-.0136001	.0043714	-3.11	0.002	-.0222139	-.0049862
_cons	2.910885	.5600407	5.20	0.000	1.807315	4.014454

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)	=	4.58
	Prob > F	=	0.0005
	R-squared	=	0.0771
	Root MSE	=	.48681

when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sex	.8609337	.8371369	1.03	0.305	-.788859	2.510726
sex#c.patient						
Male	.0017541	.0030481	0.58	0.566	-.0042529	.007761
Female	.0037192	.0027196	1.37	0.173	-.0016406	.009079
sex#c.bp						
Male	-.0092162	.0040809	-2.26	0.025	-.0172586	-.0011738
Female	-.0172075	.0041272	-4.17	0.000	-.0253411	-.0090738
_cons	2.875463	.5910456	4.87	0.000	1.710656	4.040269

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

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

```
e(bpge170) : Yes
```

```
added macro:
          e(bpge160) : "Yes"
```

```
st_panel:panel_b, it_reg_ctr:10, st_cur_srg_name:srg_panel_b_col_4
```

Linear regression	Number of obs	=	212
	F(5, 206)	=	4.65
	Prob > F	=	0.0005
	R-squared	=	0.0803
	Root MSE	=	.48634

	when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
	sex	1.17611	.9093919	1.29	0.197	-.6167985 2.969019
sex#c.patient						
	Male	.0025878	.0032226	0.80	0.423	-.0037657 .0089412
	Female	.0033171	.0027186	1.22	0.224	-.0020427 .0086769
sex#c.bp						
	Male	-.0087235	.0047486	-1.84	0.068	-.0180856 .0006385
	Female	-.0185012	.0041621	-4.45	0.000	-.0267071 -.0102953
	_cons	2.78312	.6880095	4.05	0.000	1.426677 4.139563

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

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

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

```
added macro:
          e(bpge160) : "Yes"
```

```
st panel:panel b, it reg ctr:11, st cur srg name:srg panel b col 5
```

Linear regression	Number of obs	=	193
	F(5, 187)	=	7.63
	Prob > F	=	0.0000
	R-squared	=	0.1099
	Root MSE	=	.47908

	when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
	sex	1.104909	.9431351	1.17	0.243	-.7556425 2.965461
sex#c.patient						
	Male	.00516	.0032845	1.57	0.118	-.0013195 .0116395
	Female	.0041048	.0027399	1.50	0.136	-.0013003 .0095099
sex#c.bp						
	Male	-.0142973	.0049807	-2.87	0.005	-.0241228 -.0044717
	Female	-.023693	.0043542	-5.44	0.000	-.0322827 -.0151032
	_cons	3.532761	.716229	4.93	0.000	2.119834 4.945688

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

```
added macro:
          e(bpqe180) : "No"
```

```
added macro:
          e(bpqe170) : "No"
```

```
added macro:
                e(bpqe160) : "Yes"
```

```
st panel:panel b, it reg ctr:12, st cur srg name:srg panel b col 6
```

Linear regression	Number of obs	=	167
	F(5, 161)	=	5.31
	Prob > F	=	0.0002
	R-squared	=	0.1008
	Root MSE	=	.48183

	when	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
	sex	.3856803	1.149591	0.34	0.738	-1.884541 2.655902
sex#c.patient						
	Male	.0043715	.0038306	1.14	0.255	-.0031932 .0119362
	Female	.003565	.0029592	1.20	0.230	-.0022789 .0094089
sex#c.bp						
	Male	-.0184108	.0059057	-3.12	0.002	-.0300734 -.0067482
	Female	-.0225825	.0055593	-4.06	0.000	-.0335612 -.0116039
	_cons	4.139463	.8301041	4.99	0.000	2.500167 5.77876

```
added macro:
          e(bpqe185) : "No"
```

```
added macro:
          e(bpqe180) : "No"
```

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

```
added macro:
                e (bpge160) : "Yes"
m7 m8 m9 m10 m11 m12
```

```

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

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

.
. //////////////////////////////////////////////////
> ///--- D1. Labeling
> //////////////////////////////////////////////////
>
. ///--- Title overall
>      global slb_title "Outcome: Before or After"

.      global slb_title_inner "\textbf{Continuous}: BP and patient are continuous"

.      global slb_label_tex "tab:sccts"

.
. ///--- Several RHS Continuous Variables
>      global slb_panel_a "Panel A: Continuous Vars and Discretes"

.
. ///--- Continuous Variables + Several Discrete Variables
>      global slb_panel_b "Panel B: Interact Cts Vars with Discrete"

.      global slb_panel_b_ga "Interact with Male:"

.      global slb_panel_b_gb "Interact with Female:"

.
. ///--- 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 "
>          sex patient bp
>          ";

.      global svr_coef_keep_panel_b "
>          sex
>
>          0.sex#patient
>          0.sex#bp
>
>          1.sex#patient
>          1.sex#bp
>          ";

.      #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 "sex";

.      global slb_coef_label_panel_a "
>          sex "${slb_1st_ele_spc}sex variable (discrete)"
>          patient "${slb_1st_ele_spc}patient ID (cts)"
>          bp "${slb_1st_ele_spc}blood pressure (cts)"
>          ";

.      #delimit cr
delimiter now cr

.      #delimit;
delimiter now ;
.      global svr_starts_var_panel_b "sex";

.      global svr_starts_var_panel_b_ga "0.sex#c.patient";

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

.      global slb_coef_label_panel_b "
>          sex "${slb_1st_ele_spc}sex variable (discrete)"
>
>          0.sex#c.patient "${slb_1st_ele_spc} $\times$ patient ID"
>          0.sex#c.bp "${slb_1st_ele_spc} $\times$ blood pressure"
>
>          1.sex#c.patient "${slb_1st_ele_spc} $\times$ patient ID"
>          1.sex#c.bp "${slb_1st_ele_spc} $\times$ blood pressure"
>          ";

.      #delimit cr
delimiter now cr
.

```

```
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> ///--- 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})
>          \";

.      #delimit cr
delimiter now cr

.      //////////////////////////////////////////
> ///--- E. Regression Shows
> //////////////////////////////////////////
>
.      esttab ${smd_panel_a_m}, ${slb_panel_a_main} ${slb_esttab_opt_txt}
```

Panel A: Continuous Vars and Discretes

	bp <= 185	bp <= 180	bp <= 175	bp <= 170	bp <= 165	bp <=
\\vspace*{0mm}\\hspace*{5mm}se~a	-0.240* (-1.70)	-0.239* (-1.69)	-0.242* (-1.71)	-0.261* (-1.78)	-0.347** (-2.31)	-0. (-1.
\\vspace*{0mm}\\hspace*{5mm}pa~n	0.00288 (1.43)	0.00310 (1.53)	0.00282 (1.38)	0.00300 (1.42)	0.00446** (2.10)	0.00 (1.
\\vspace*{0mm}\\hspace*{5mm}bl~	-0.00967*** (-3.65)	-0.0114*** (-4.02)	-0.0129*** (-4.46)	-0.0137*** (-4.35)	-0.0187*** (-5.60)	-0.0 (-5.
N	240	232	227	212	193	
bpge185	Yes	No	No	No	No	
bpge180	Yes	Yes	No	No	No	
bpge170	Yes	Yes	Yes	Yes	No	
bpge160	Yes	Yes	Yes	Yes	Yes	

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

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

Panel B: Interact Cts Vars with Discrete

	bp <= 185	bp <= 180	bp <= 175	bp <= 170	bp <= 165	bp <=
\\vspace*{0mm}\\hspace*{5mm}se~a	0.862 (1.13)	0.292 (0.35)	0.861 (1.03)	1.176 (1.29)	1.105 (1.17)	0. (0.
\\vspace*{0mm}\\hspace*{5mm} \$~m	0.00208 (0.71)	0.00232 (0.78)	0.00175 (0.58)	0.00259 (0.80)	0.00516 (1.57)	0.00 (1.
\\vspace*{0mm}\\hspace*{5mm} \$~m	-0.00629* (-1.73)	-0.00955** (-2.48)	-0.00922** (-2.26)	-0.00872* (-1.84)	-0.0143*** (-2.87)	-0.0 (-3.
\\vspace*{0mm}\\hspace*{5mm} \$~m	0.00376 (1.39)	0.00381 (1.40)	0.00372 (1.37)	0.00332 (1.22)	0.00410 (1.50)	0.00 (1.
\\vspace*{0mm}\\hspace*{5mm} \$~m	-0.0142*** (-3.65)	-0.0136*** (-3.11)	-0.0172*** (-4.17)	-0.0185*** (-4.45)	-0.0237*** (-5.44)	-0.0 (-4.
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

.


```

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> //////////////////////////////////////////
> ///--- 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_cmldrle "\cmldrle(lr){2-3}\cmldrle(lr){4-5}\cmldrle(lr){6-7}"
.      global st_cmldrle "\cmldrle(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 = 2
.
.      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:${totCoefColWid}"
totCoefColWid:12
.
.      di "totCoefColWid:${totCoefColWid}"
totCoefColWid:12
.
.      di "totCoefColWid:${totCoefColWid}"
totCoefColWid:12
.
.      di "totCoefColWid:${totCoefColWid}"
totCoefColWid:12
.
.      di "totCoefColWid:${totCoefColWid}"
totCoefColWid:12
.
.      global ampersand ""
.
.      foreach curLoop of numlist 1(1)$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.      }

```



```

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. di "\multicolumn{$gapCnt}{C{$\{gapWidth\}cm}}{\small no Control}"
13. di "\cmidrule(1{5pt}r{5pt}){\`lastCol'-$curCollMin}"
14.
.
. global curRow2MidLine "\cmidrule(1{5pt}r{5pt}){\`lastCol'-$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{4cm}}{\small no Control}
\cmidrule(1{5pt}r{5pt}){2-3}
curCollMin:5, lastCol:4
2
\multicolumn{2}{C{4cm}}{\small no Control}
\cmidrule(1{5pt}r{5pt}){4-5}
curCollMin:7, lastCol:6
2
\multicolumn{2}{C{4cm}}{\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{12cm}}{\textbf{Continuous}: BP and patient are continuous} \\\

.
. di "$row1MidLine "
\cmidrule(1{5pt}r{5pt}){2-7}

.
. di "$row2 \\"
& \multicolumn{2}{L{4cm}}{\small All Age 5 to 12} & \multicolumn{2}{L{4cm}}{\small Girls Age 5 to 12} & \multicolumn{2}{L{4cm}}{\small Boys Age 5 to 12}

.
. 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{2cm}}{\small All Villages} & \multicolumn{1}{C{2cm}}{\small No Teaching Points} & \multicolumn{1}{C{2cm}}{\small No Teaching Points} & \multicolumn{1}{C{2cm}}{\small No Teaching Points} & \multicolumn{1}{C{2cm}}{\small No Teaching Points} & \multicolumn{1}{C{2cm}}{\small No Teaching Points} \\
> s}} & \multicolumn{1}{C{2cm}}{\small No Teaching Points} \\

.
.
. ///--- 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
> ";
```

```
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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_inter\tab_6col_cts_inter.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_inter\tab_6col_cts_inter.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_inter\tab_6col_cts_inter.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_inter\tab_6col_cts_inter.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_txt} ///
>
fragment $headlineAll postfoot("") replace
(output written to ~\Stata4Econ\table\multipanel\tab_6col_cts_inter\tab_6col_cts_inter_textbody.tex)

.
.
esttab $smd_panel_b_m using "${st_out_tex}", ///
>
${slb_panel_b_main} ///
>
${slb_refcat_panel_b} ///
>
${slb_esttab_opt_txt} ///
>
${slb_titling_bottom} ///
>
fragment prehead("") $postAll append
(output written to ~\Stata4Econ\table\multipanel\tab_6col_cts_inter\tab_6col_cts_inter_textbody.tex)

.
. //////////////////////////////////////////////////
> ///--- I. Out Logs
> //////////////////////////////////////////////////
>
. ///--- End Log and to HTML
> log close
.
name: <unnamed>
log: C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_cts_inter\gen_reg.smcl
log type: smcl
closed on: 17 Aug 2019, 22:15:36

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