```
. 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 varible and discrete variables, discrete variables could interact with each other, and interact with c
> */
.
. ///--- File Names
> global st_file_root "~\Stata4Econ\table\tabsumm\tab_mcol_npanel\"

. global st_log_file "${st_file_root}gen_reg"

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

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

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

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

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

```
      name:  <unnamed>
       log:  C:\Users\fan\Stata4Econ\table\tabsumm\tab_mcol_npanel\gen_reg.smcl
  log type:  smcl
 opened on:  24 Aug 2019, 23:13:56
```

```
. 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 Before	After	Total
Male	60	60	120
Female	60	60	120
Total	120	120	240

```
. tab sex agegrp
```

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

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

. egen sex_agegrp = group(sex agegrp), label

. egen when_agegrp = group(when agegrp), label

.
. drop if agegrp == 2 & sex_when == 3
(20 observations deleted)

.
. set seed 123

. gen rand1 = floor(runiform()*2)

. gen rand2 = floor(runiform()*20)

. gen rand3 = floor(runiform()*3000)

.
. /////////////////////////////////////////////
> ///--- A1. Define Regression Variables
> /////////////////////////////////////////////
>
.         * shared variables to summarize over
.         global svr_summ "bp patient rand1 rand2"

.
.         * for each column, conditioning differs
.         global it_colcate_n = 4

.         global it_rowcate_n = 3

.
.         global sif_colcate_1 "sex_when == 1"

.         global sif_colcate_2 "sex_when == 2"

.         global sif_colcate_3 "sex_when == 3"

.         global sif_colcate_4 "sex_when == 4"

.
.         global sif_rowcate_1 "agegrp == 1"

.         global sif_rowcate_2 "agegrp == 2"

.         global sif_rowcate_3 "agegrp == 3"

.
. /////////////////////////////////////////////
> ///--- A2. Titling
> /////////////////////////////////////////////
>
.         global slb_title "Cross Tabulate Age, Gender and Time Statistics"

.         global slb_title_inner "Tabulate Stats: \textbf{Mean} (\textit{S.D.})"

.         global slb_label_tex "tab:sctabsumm"

.
. /////////////////////////////////////////////
> ///--- A3. Row Labeling
> /////////////////////////////////////////////
>
. ///--- Row Tab Names
>         global slb_rowcate_1 "Group 1: Age 30 to 45"

.         global slb_rowcate_2 "Group 2: Age 46 to 59"

.         global slb_rowcate_3 "Group 3: Age >60"

.
. ///--- Var Subgroup Subtitling
>         global slb_subvargrp_1 "Summ Group One (cts)"

.         global slb_subvargrp_2 "Summ Group Two (discrete)"

.
. ///--- Labeling for each variable
>         global slb_var_spc "\hspace*{3mm}"

.         label variable bp "${slb_var_spc}Blood pressure"

.         label variable patient "${slb_var_spc}Patient ID"

.         label variable rand1 "${slb_var_spc}Random \textit{Male} or \textit{Female}"

.         label variable rand2 "${slb_var_spc}Random Three Cates \textbf{after}"

.         label variable rand3 "${slb_var_spc}Random Thousands"

.
. ///--- Labeling Head Tag
>         global svr_first "bp"

.         global svr_first_subvargrp_1 "bp"

.         global svr_first_subvargrp_2 "rand1"

.
. /////////////////////////////////////////////
> ///--- A4. Column Labeling
> /////////////////////////////////////////////
>
```

```
.       ///--- Column Groups
>       global colSeq "2 4 6"

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

.
.       ///--- Group 1, columns 1 and 2
>       global labG1 "Male"

.       global labC1 "{\small Before}"

.       global labC2 "{\small After}"

.
.       ///--- Group 2, columns 3 and 4
>       global labG2 "Female"

.       global labC3 "{\small Before}"

.       global labC4 "{\small After}"

.
.       ///--- Column Widths
>       global perCoefColWid = 1.75

.       global labColWid = 7

.       global slb_title_spc "\vspace*{-3mm}"

.       global slb_foot_spc "\vspace*{-3mm}"

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

.
. /////////////////////////////////////////////////
> ///--- A5. Additional Statistics
> /////////////////////////////////////////////////
>
. ///--- Notes
>       global slb_bottom "Controls for each panel:"

.       global slb_note "Summary statistics cross tabulate for various variables. Table shows mean and standard deviation for each group

.
. /////////////////////////////////////////////////
> ///--- A6. Define Summarizing Technical Strings
> /////////////////////////////////////////////////
>
. ///--- Technical Controls
>       global stc_regc "estpost tabstat"

.       global stc_opts ", statistics(mean sd p10 p50 p90) c(s)"

.       global stc_stats_main "mean"

.       global stc_stats_paren "sd"

.
. /////////////////////////////////////////////////
> ///--- B1. Define Stats Summary for Each Tabulate Category
> /////////////////////////////////////////////////
>
.       /*
>               di "$srg_cate_row1_col1"
>               di "$srg_cate_row2_col2"
>               di "$srg_cate_row1_col2"
>       */
.
.       foreach it_rowcate of numlist 1(1)$it_rowcate_n {
  2.              foreach it_colcate of numlist 1(1)$it_colcate_n {
  3.                      #delimit;
delimiter now ;
.                              global srg_cate_row`it_rowcate'_col`it_colcate' "
>                              $stc_regc $svr_summ if ${sif_colcate_`it_colcate'} & ${sif_rowcate_`it_rowcate'}
>                      ";
  4.                      #delimit cr
delimiter now cr
.                      di "${srg_cate_row`it_rowcate'_col`it_colcate'}"
  5.              }
  6.      }
                               estpost tabstat bp patient rand1 rand2 if sex_when == 1 & agegrp == 1
                               estpost tabstat bp patient rand1 rand2 if sex_when == 2 & agegrp == 1
                               estpost tabstat bp patient rand1 rand2 if sex_when == 3 & agegrp == 1
                               estpost tabstat bp patient rand1 rand2 if sex_when == 4 & agegrp == 1
                               estpost tabstat bp patient rand1 rand2 if sex_when == 1 & agegrp == 2
                               estpost tabstat bp patient rand1 rand2 if sex_when == 2 & agegrp == 2
                               estpost tabstat bp patient rand1 rand2 if sex_when == 3 & agegrp == 2
                               estpost tabstat bp patient rand1 rand2 if sex_when == 4 & agegrp == 2
                               estpost tabstat bp patient rand1 rand2 if sex_when == 1 & agegrp == 3
                               estpost tabstat bp patient rand1 rand2 if sex_when == 2 & agegrp == 3
                               estpost tabstat bp patient rand1 rand2 if sex_when == 3 & agegrp == 3
                               estpost tabstat bp patient rand1 rand2 if sex_when == 4 & agegrp == 3

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

.       local it_tabcell_ctr = 0
```

```
.        foreach it_rowcate of numlist 1(1)$it_rowcate_n {
  2.
.                global st_cur_sm_store "smd_`it_rowcate'_m"
  3.                    global ${st_cur_sm_store} ""
  4.
.                    foreach it_colcate of numlist 1(1)$it_colcate_n {
  5.
.                            local it_tabcell_ctr = `it_tabcell_ctr' + 1
  6.                        global st_cur_srg_name "srg_cate_row`it_rowcate'_col`it_colcate'"
  7.
.                        di "it_rowcate:`it_rowcate', it_tabcell_ctr:`it_tabcell_ctr', st_cur_srg_name:${st_cur_srg_name}"
  8.
.                            ///--- Summ Stats
>                            count if ${sif_colcate_`it_colcate'} & ${sif_rowcate_`it_rowcate'}
  9.                            global curcount = r(N)
 10.                            if ($curcount>1) {
 11.                                    eststo m`it_tabcell_ctr', title("${sif_colcate_`it_colcate'}") : ${$st_cur_srg_name} ${stc_opts}
 12.                            }
 13.                            else {
 14.                                    ///--- This means this tabulated subgroup has N = 0
>                                * Generate a fake observation to create a new estimated model
.                                * Then replace the observation N by setting it to 0, otherwise N = 1
.                                capture drop aaa
 15.                                    gen aaa = 0 if _n == 1
 16.                                    eststo m`it_tabcell_ctr', title("${sif_colcate_`it_colcate'}") : estpost tabstat aaa , statistics(n
 17.                                    estadd scalar N = 0, replace
 18.                            }
 19.
.                            ///--- Track Regression Store
>                            global $st_cur_sm_store "${${st_cur_sm_store}} m`it_tabcell_ctr'"
 20.                    }
 21.
.                    di "${${st_cur_sm_store}}"
 22.
.            }
it_rowcate:1, it_tabcell_ctr:1, st_cur_srg_name:srg_cate_row1_col1
    20
```

Summary statistics: mean sd p10 p50 p90
    for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	153.45	9.95503	143	152.5	169
patient	10.5	5.91608	2.5	10.5	18.5
rand1	.5	.5129892	0	.5	1
rand2	9.85	5.593935	2.5	10.5	17.5

```
it_rowcate:1, it_tabcell_ctr:2, st_cur_srg_name:srg_cate_row1_col2
    20
```

Summary statistics: mean sd p10 p50 p90
    for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	146.45	14.05806	128.5	144.5	166
patient	10.5	5.91608	2.5	10.5	18.5
rand1	.65	.4893605	0	1	1
rand2	11.25	5.9283	2.5	12	18

```
it_rowcate:1, it_tabcell_ctr:3, st_cur_srg_name:srg_cate_row1_col3
    20
```

Summary statistics: mean sd p10 p50 p90
    for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	149.9	8.378544	141.5	147	164
patient	70.5	5.91608	62.5	70.5	78.5
rand1	.75	.4442617	0	1	1
rand2	7.8	4.818823	2.5	7	15

```
it_rowcate:1, it_tabcell_ctr:4, st_cur_srg_name:srg_cate_row1_col4
    20
```

Summary statistics: mean sd p10 p50 p90
    for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	142.2	9.122557	132	143	150
patient	70.5	5.91608	62.5	70.5	78.5
rand1	.45	.5104178	0	0	1
rand2	7.65	5.815361	0	7	16.5

```
 m1 m2 m3 m4
it_rowcate:2, it_tabcell_ctr:5, st_cur_srg_name:srg_cate_row2_col1
    20
```

Summary statistics: mean sd p10 p50 p90
    for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	159.05	12.37772	145	157.5	179.5
patient	30.5	5.91608	22.5	30.5	38.5
rand1	.4	.5026247	0	0	1
rand2	9.25	5.466405	3.5	9	17.5

```
it_rowcate:2, it_tabcell_ctr:6, st_cur_srg_name:srg_cate_row2_col2
    20
```

Summary statistics: mean sd p10 p50 p90
    for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	157.25	15.56269	136	158	179
patient	30.5	5.91608	22.5	30.5	38.5
rand1	.5	.5129892	0	.5	1
rand2	8.55	6.278409	1	7.5	16.5

```
it_rowcate:2, it_tabcell_ctr:7, st_cur_srg_name:srg_cate_row2_col3
    0
```

(219 missing values generated)

Summary statistics: count
    for variables: aaa

	e(count)
aaa	1

added scalar:
```
                 e(N) =   0
```
it_rowcate:2, it_tabcell_ctr:8, st_cur_srg_name:srg_cate_row2_col4
  20

Summary statistics: mean sd p10 p50 p90
      for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	144.3	10.06348	132	145	157
patient	90.5	5.91608	82.5	90.5	98.5
rand1	.5	.5129892	0	.5	1
rand2	8.15	5.373179	2	7.5	16

 m5 m6 m7 m8
it_rowcate:3, it_tabcell_ctr:9, st_cur_srg_name:srg_cate_row3_col1
  20

Summary statistics: mean sd p10 p50 p90
      for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	165.3	8.844267	154.5	167	175
patient	50.5	5.91608	42.5	50.5	58.5
rand1	.55	.5104178	0	1	1
rand2	7.15	5.402485	0	7.5	15.5

it_rowcate:3, it_tabcell_ctr:10, st_cur_srg_name:srg_cate_row3_col2
  20

Summary statistics: mean sd p10 p50 p90
      for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	162.85	11.63604	146.5	163	180.5
patient	50.5	5.91608	42.5	50.5	58.5
rand1	.55	.5104178	0	1	1
rand2	9.85	5.546692	2.5	12	16

it_rowcate:3, it_tabcell_ctr:11, st_cur_srg_name:srg_cate_row3_col3
  20

Summary statistics: mean sd p10 p50 p90
      for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	159.85	11.93083	147.5	160	178
patient	110.5	5.91608	102.5	110.5	118.5
rand1	.45	.5104178	0	0	1
rand2	11.4	5.275564	3	12	18

it_rowcate:3, it_tabcell_ctr:12, st_cur_srg_name:srg_cate_row3_col4
  20

Summary statistics: mean sd p10 p50 p90
      for variables: bp patient rand1 rand2

	e(mean)	e(sd)	e(p10)	e(p50)	e(p90)
bp	155.1	11.95122	141.5	152	175.5
patient	110.5	5.91608	102.5	110.5	118.5
rand1	.6	.5026247	0	1	1
rand2	10.75	6.086006	2	12	18

 m9 m10 m11 m12

```
.
.           di "$smd_1_m"
```
 m1 m2 m3 m4
```
.
.           di "$smd_2_m"
```
 m5 m6 m7 m8
```
.
.           di "$smd_3_m"
```
 m9 m10 m11 m12
```
.
. //////////////////////////////////////////////
> ///--- D2. Regression Display Controls
> //////////////////////////////////////////////
>
.           global slb_reg_stats "N"

.
.           global sd `""""'

.           global keepcellstats "cells(mean(fmt(a2)) $sd) wide"

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

.           global slb_cells_tex `"cells(${stc_stats_main}(fmt(a2)) $slb_sd_tex) wide"'

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

.
.           global slb_sd_txt `"${stc_stats_paren}(fmt(a2) par("(" ")"))"'

.           global slb_cells_txt `"cells(${stc_stats_main}(fmt(a2)) $slb_sd_txt) wide"'

.           global slb_esttab_opt_txt "${slb_cells_txt} stats(${slb_reg_stats}) collabels(none) mtitle nonumbers varwidth(30) modelwidth(15)
```

```
.
. //////////////////////////////////////////////
> ///--- E. Summ Stats Shows
> //////////////////////////////////////////////
>
.          foreach it_rowcate of numlist 1(1)$it_rowcate_n {
  2.                esttab ${smd_`it_rowcate'_m}, title("${slb_rowcate_`it_rowcate'}") ${slb_esttab_opt_txt}
  3.             }
```

Group 1: Age 30 to 45

	sex_when == 1	sex_when == 2	sex_when == 3	sex_when == 4
bp	153.4	146.4	149.9	142.2
	(9.96)	(14.1)	(8.38)	(9.12)
patient	10.5	10.5	70.5	70.5
	(5.92)	(5.92)	(5.92)	(5.92)
rand1	0.50	0.65	0.75	0.45
	(0.51)	(0.49)	(0.44)	(0.51)
rand2	9.85	11.3	7.80	7.65
	(5.59)	(5.93)	(4.82)	(5.82)
N	20	20	20	20

Summary statistics cross tabulate for various variables. Table shows mean and standard deviation for each group in parenthesis.

Group 2: Age 46 to 59

	sex_when == 1	sex_when == 2	sex_when == 3	sex_when == 4
bp	159.1	157.3		144.3
	(12.4)	(15.6)		(10.1)
patient	30.5	30.5		90.5
	(5.92)	(5.92)		(5.92)
rand1	0.40	0.50		0.50
	(0.50)	(0.51)		(0.51)
rand2	9.25	8.55		8.15
	(5.47)	(6.28)		(5.37)
N	20	20	0	20

Summary statistics cross tabulate for various variables. Table shows mean and standard deviation for each group in parenthesis.

Group 3: Age >60

	sex_when == 1	sex_when == 2	sex_when == 3	sex_when == 4
bp	165.3	162.8	159.8	155.1
	(8.84)	(11.6)	(11.9)	(12.0)
patient	50.5	50.5	110.5	110.5
	(5.92)	(5.92)	(5.92)	(5.92)
rand1	0.55	0.55	0.45	0.60
	(0.51)	(0.51)	(0.51)	(0.50)
rand2	7.15	9.85	11.4	10.8
	(5.40)	(5.55)	(5.28)	(6.09)
N	20	20	20	20

Summary statistics cross tabulate for various variables. Table shows mean and standard deviation for each group in parenthesis.

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

.          global totColCnt = ${it_colcate_n} + 1

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

.          global totColWidFootnote = ${labColWid} + ${totCoefColWid}

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

.          global totColWidLegendthin = ${totCoefColWid}

.
.          di "it_colcate_n:$it_colcate_n"
it_colcate_n:4

.          di "totCoefColWid:$totCoefColWid"
totCoefColWid:7

.
.          global ampersand ""

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

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

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

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

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

```
.           di "alignCenter:$alignCenter"
alignCenter:m{7cm} >{\centering\arraybackslash}m{1.75cm} >{\centering\arraybackslash}m{1.75cm} >{\centering\arraybackslash}m{1.75cm} >{\ce
.
. //////////////////////////////////////////////
> ///--- G1a. Tex Sectioning each panel
> //////////////////////////////////////////////
>
.           foreach it_rowcate of numlist 1(1)$it_rowcate_n {
  2.
.                   #delimit ;
delimiter now ;
.                   global slb_titling_panel_`it_rowcate' "
>                           ${svr_first} "\multicolumn{$totColCnt}{p{${totColWidLegend}cm}}{${slb_title_spc}\textbf{${slb_rowcate_`it_rowcat
>                           ";
  3.                   global slb_refcat_panel_`it_rowcate' `"refcat(${slb_titling_panel_`it_rowcate'}, nolabel)"';
  4.                   #delimit cr
delimiter now cr
.           }

.
. //////////////////////////////////////////////
> ///--- G1d. Bottom
> //////////////////////////////////////////////
>
.           #delimit ;
delimiter now ;
.           global slb_titling_bottom `"
>           stats(N,
>                   labels(Observations
>                   "\midrule \multicolumn{${totColCnt}}{L{${totColWid}cm}}{${slb_title_spc}\textbf{\textit{\normalsize ${slb_bottom
.           #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}{C{${gapWidth}cm}}{\small ${labG${colCtr}}}"
 17.                           global row2 "$row2 & $curRow2"
 18.
.                   }
 19.                   local lastCol = `curCol'
 20.
.           }
curCol1Min:3, lastCol:2
2
\multicolumn{2}{C{3.5cm}}{\small no Control}
\cmidrule(l{5pt}r{5pt}){2-3}
curCol1Min:5, lastCol:4
2
\multicolumn{2}{C{3.5cm}}{\small no Control}
\cmidrule(l{5pt}r{5pt}){4-5}

.
.           ///--- C. Row 3
>           * Initial & for label column
.           foreach curLoop of numlist 1(1)$it_colcate_n {
  2.                   global curText "${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_colcate_n}}{p{${totCoefColWid}cm}}{${slb_title_inner}}"

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

.
            ///--- C.3.E Print lines
>           di "$row1 \\"
& \multicolumn{4}{p{7cm}}{Tabulate Stats: \textbf{Mean} (\textit{S.D.})} \\

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

.           di "$row2 \\"
 & \multicolumn{2}{C{3.5cm}}{\small Male} & \multicolumn{2}{C{3.5cm}}{\small Female} \\

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

.           di "$row3 \\"
 & \multicolumn{1}{C{1.75cm}}{{\small Before}} & \multicolumn{1}{C{1.75cm}}{{\small After}} & \multicolumn{1}{C{1.75cm}}{{\small Before}}

.
.           ///--- 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 "
>                       \multicolumn{${totColCnt}}{p{${totColWidFootnote}cm}}{${slb_foot_spc} \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 ${smd_1_m} using "${st_out_html}", title("${slb_rowcate_`it_rowcate'}") ${slb_esttab_opt_txt} replace
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel.html)

.           esttab ${smd_1_m} using "${st_out_rtf}", title("${slb_rowcate_`it_rowcate'}") ${slb_esttab_opt_txt} replace
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel.rtf)

.           foreach it_rowcate of numlist 2(1)$it_rowcate_n {
  2.                 esttab ${smd_`it_rowcate'_m} using "${st_out_html}", title("${slb_rowcate_`it_rowcate'}") ${slb_esttab_opt_txt} appen
  3.                 esttab ${smd_`it_rowcate'_m} using "${st_out_rtf}", title("${slb_rowcate_`it_rowcate'}") ${slb_esttab_opt_txt} append
  4.         }
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel.html)
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel.rtf)
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel.html)
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel.rtf)


.
. /////////////////////////////////////////////////
> ///--- H2. Output Results to Tex
> /////////////////////////////////////////////////
>
.           esttab ${smd_1_m} using "${st_out_tex}", ///
>               title("${slb_rowcate_1}") ///
>               ${slb_refcat_panel_1} ///
>               ${slb_esttab_opt_tex} ///
>               fragment $headlineAll postfoot("") replace
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel_texbody.tex)
```

```
.             global it_rowcate_n_mins_1 = $it_rowcate_n - 1

.             foreach it_rowcate of numlist 2(1)$it_rowcate_n_mins_1 {
  2.                   esttab ${smd_`it_rowcate'_m} using "${st_out_tex}", ///
>                         title("${slb_rowcate_`it_rowcate'}") ///
>                         ${slb_refcat_panel_`it_rowcate'} ///
>                         ${slb_esttab_opt_tex} ///
>                         fragment prehead("") postfoot("") append
  3.             }
.
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel_texbody.tex)


.             esttab ${smd_${it_rowcate_n}_m} using "${st_out_tex}", ///
>                   title("${slb_rowcate_${it_rowcate_n}}") ///
>                   ${slb_refcat_panel_${it_rowcate_n}} ///
>                   ${slb_esttab_opt_tex} ///
>                   ${slb_titling_bottom} ///
>                   fragment prehead("") $postAll append
(output written to ~\Stata4Econ\table\tabsumm\tab_mcol_npanel\tab_mcol_npanel_texbody.tex)

.
.
. ////////////////////////////////////////////////
> ///--- I. Out Logs
> ////////////////////////////////////////////////
>
. ///--- End Log and to HTML
> log close
      name:  <unnamed>
       log:  C:\Users\fan\Stata4Econ\table\tabsumm\tab_mcol_npanel\gen_reg.smcl
  log type:  smcl
 closed on:  24 Aug 2019, 23:14:11
```

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