```
      name:  <unnamed>
       log:  C:\Users\fan\Stata4Econ\reglin\multipanel\allpurpose\allpurpose.smcl
  log type:  smcl
 opened on:   2 Sep 2019, 15:37:47

. log on
(log already on)

.
. set trace off

. set tracedepth 1

.
. ////////////////////////////////////////////////
> ///--- A0. Load Data
> ////////////////////////////////////////////////
>
. set more off

. set trace off

.
. sysuse auto, clear
(1978 Automobile Data)

.
.   ///--- Controls
>   global quiornot "qui"

.   * global quiornot "noi"
.
.   ////////////////////////////////////////////////
>   ///--- A1. Core String Initiation
>   ////////////////////////////////////////////////
>   /*
>     A regression has:
>       1. reg method
>       2. LHS
>       3. RHS (to keep)
>       4. RHS (controls not to show in table)
>       5. Conditions
>       6. reg options
>   */
.
.   * rgc = regression, opt = option
.   global stc_rgc "reg"

.   global stc_opt ", robust"

.
.   * sca = what scalar statistics to obtain from reg
.   global stc_sca "r2 rank"

.
.   * cdn = conditioning
.   global sif_cdn "if price !=. & foreign !=."

.
.   * variable names lists
.   global svr_lhs "price"

.   global svr_rhs "rep78"

.   global svr_cov "gear_ratio"

.   global svr_kep "${svr_rhs}"

.
.   ////////////////////////////////////////////////
>   ///--- A2. Set Number of Rows and Columns
>   ////////////////////////////////////////////////
>
.   * column count, and panel count
.   * can specify any numbers here, code will run for any col and row count
.   global it_col_cnt = 7

.   global it_pan_cnt = 6

.
.   ////////////////////////////////////////////////
>   ///--- A3. Labeling
>   ////////////////////////////////////////////////
>
.   * column title, panel title, and slb_pan_nte = panel notes
.   global slb_col "price"

.   global slb_pan "current panel results"

.   global slb_pan_nte "general notes"

.
.   * eso = esttab options
.   global slb_eso "label mtitles p stats(N ${stc_sca}) star(* 0.10 ** 0.05 *** 0.01)"

.   global slb_tex_eso "booktabs ${slb_eso}"

.
. ////////////////////////////////////////////////
> ///--- B1. Column Specific Strings
> ////////////////////////////////////////////////
>
.   * Column titling, some columns get column specific titles
.   global slb_col_3 "wgt"

.   global slb_col_4 "areg"

.   global slb_col_5 "gear <= 3"

.   global slb_col_6 "reg"

.   global slb_col_7 "areg"

.
.   * change regression method for column 4
.   global stc_rgc_col_4 "areg"

.   global stc_opt_col_4 ", absorb(foreign)"

.   global stc_rgc_col_7 "areg"

.   global stc_opt_col_7 ", absorb(foreign)"

.
.   * this means the third column's lhs var will be weight
.   global svr_lhs_col_3 "weight"

.
.   * below changing condition for 5th and 3rd column, append to existing conditions
.   global sif_cdn_col_5 "& gear_ratio <= 3"

.   global sif_cdn_col_3 `"& trunk != 5 & ~strpos(make, "Ford")"'

.
.   * append these variables to column 4 and 5 estimations
.   global svr_rhs_col_4 "weight"

.   global svr_rhs_col_5 "turn"

.
. ////////////////////////////////////////////////
> ///--- B2. Panel Specific Strings
> ////////////////////////////////////////////////
>
.   * Panel titling, 1 2 3 get panel specific titles, other use base
.   global slb_pan_1 "Panel A, foreign == 0"

.   global slb_pan_2 "Panel B, foreign == 1"

.   global slb_pan_3 "Panel C, length >= 190"

.
.   * Panel Specific Notes
.   global slb_pan_nte_1 `""This panel only includes foreign == 0. Absorb no effects.""'

.   global slb_pan_nte_2 `""This panel then focuses only on foreign == 1""'

.   global slb_pan_nte_2 `"${slb_pan_nte_2} "Hi there, more notes next line""'
```

```
84.   global slb_pan_nte_5 `""This panel is the 5th" "Yes it is the 5th, so what""'

85.
86.   * the 3rd panel and 6 panel lhs variable is mpg, note column override panel lhs
87.   global svr_lhs_pan_3 "mpg"

88.   global svr_lhs_pan_6 "mpg"

89.
90.   * panel specific conditioning, appending to column and base conditioning
91.   global sif_cdn_pan_1 "& foreign == 0"

92.   global sif_cdn_pan_2 "& foreign == 1"

93.   global sif_cdn_pan_3 "& length >= 190"

94.
95.   * panel specific rhs variables, append to column and base
96.   global svr_rhs_pan_1 "mpg headroom"

97.   global svr_rhs_pan_4 "mpg"

98.
99.   * keeping
100   global svr_kep_pan_1 "${svr_rhs_pan_1} ${svr_rhs_col_1} ${svr_rhs_col_5}"

101   global svr_kep_pan_4 "${svr_rhs_pan_4} ${svr_rhs_col_1} ${svr_rhs_col_5}"

102
103 ////////////////////////////////////////////////
  > ///--- B3. Panel and Column Specific Strings
  > ////////////////////////////////////////////////
  >
104   * RHS for panel 5 and column 4 will have two more covariates
105   global svr_rhs_pan_5_col_4 "length turn"

106   global svr_kep_pan_4 "${svr_kep_pan_4} ${svr_rhs_pan_5_col_4}"

107
108 ////////////////////////////////////////////////
  > ///--- C. Define Regression Strings
  > ////////////////////////////////////////////////
  >
109         foreach it_pan_ctr of numlist 1(1)$it_pan_cnt {
    2.                foreach it_col_ctr of numlist 1(1)$it_col_cnt {
    3.
110                       ///--- Counters
  >                       global it_col_ctr "`it_col_ctr'"
    4.                       global it_pan_ctr "`it_pan_ctr'"
    5.
111                       ///--- Reset Strings to Default Always, _u = use
  >
112                       * if there are panel or column specific values, replace, eith col or row specific
113                       * generates: stc_rgc_u and stc_opt_u
114                       global stc_rgc_u "${stc_rgc}"
    6.                       global stc_opt_u "${stc_opt}"
    7.                       global svr_lhs_u "${svr_lhs}"
    8.                       global st_ls_rep "stc_rgc stc_opt svr_lhs"
    9.                       foreach st_seg in $st_ls_rep {
   10.                               global st_seg "`st_seg'"
   11.
115                            * di `"${st_seg}_pan_${it_pan_ctr}: ${${st_seg}_pan_${it_pan_ctr}}"'
116                            * di `"${st_seg}_col_${it_col_ctr}: ${${st_seg}_col_${it_col_ctr}}"'
117                            * di `"${st_seg}_pan_${it_pan_ctr}_col_${it_col_ctr}: ${${st_seg}_pan_${it_pan_ctr}_col_$
  > {it_col_ctr}}"'
118
119                            if (`"${${st_seg}_pan_${it_pan_ctr}}"' != "") {
   12.                                global ${st_seg}_u `"${${st_seg}_pan_${it_pan_ctr}}"'
   13.                            }
   14.                            else if (`"${${st_seg}_col_${it_col_ctr}}"' != "") {
   15.                                global ${st_seg}_u `"${${st_seg}_col_${it_col_ctr}}"'
   16.                            }
   17.                            else if (`"${${st_seg}_pan_${it_pan_ctr}_col_${it_col_ctr}}"' != "") {
   18.                                global ${st_seg}_u `"${${st_seg}_pan_${it_pan_ctr}_col_${it_col_ctr}}"'
   19.                            }
   20.                            * di `"${st_seg}_u: ${${st_seg}_u}"'
120                       }
   21.
121                       * if there are panel or column specific values, append
122                       global svr_rhs_u "${svr_rhs} ${svr_rhs_pan_${it_pan_ctr}} ${svr_rhs_col_${it_col_ctr}}"
   22.                       global svr_cov_u "${svr_cov} ${svr_cov_pan_${it_pan_ctr}} ${svr_cov_col_${it_col_ctr}}"
   23.                       global sif_cdn_u `"${sif_cdn} ${sif_cdn_pan_${it_pan_ctr}} ${sif_cdn_col_${it_col_ctr}}"'
   24.
123                       ///--- Compose Regression String
  >                       global srg_pan_${it_pan_ctr}_col_${it_col_ctr} `"${stc_rgc_u} ${svr_lhs_u} ${svr_rhs_u} ${svr_cov
  > _u} ${sif_cdn_u} ${stc_opt_u}"'
   25.
124                       ///--- Display Regression String
  >                       di "PAN={$it_pan_ctr}, COL={$it_col_ctr}"
   26.                       di `"${srg_pan_${it_pan_ctr}_col_${it_col_ctr}}"'
   27.
125               }
   28.         }
  PAN={1}, COL={1}
  reg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , robust
  PAN={1}, COL={2}
  reg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , robust
  PAN={1}, COL={3}
  reg weight rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0 & trunk != 5 & ~strpos(make, "Ford")
  > , robust
  PAN={1}, COL={4}
  areg price rep78 mpg headroom weight gear_ratio   if price !=. & foreign !=. & foreign == 0  , absorb(foreign)
  PAN={1}, COL={5}
  reg price rep78 mpg headroom turn gear_ratio   if price !=. & foreign !=. & foreign == 0 & gear_ratio <= 3 , robust
  PAN={1}, COL={6}
  reg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , robust
  PAN={1}, COL={7}
  areg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , absorb(foreign)
  PAN={2}, COL={1}
  reg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , robust
  PAN={2}, COL={2}
  reg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , robust
  PAN={2}, COL={3}
  reg weight rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1 & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={2}, COL={4}
  areg price rep78  weight gear_ratio   if price !=. & foreign !=. & foreign == 1  , absorb(foreign)
  PAN={2}, COL={5}
  reg price rep78  turn gear_ratio   if price !=. & foreign !=. & foreign == 1 & gear_ratio <= 3 , robust
  PAN={2}, COL={6}
  reg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , robust
  PAN={2}, COL={7}
  areg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , absorb(foreign)
  PAN={3}, COL={1}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , robust
  PAN={3}, COL={2}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , robust
  PAN={3}, COL={3}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190 & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={3}, COL={4}
  areg mpg rep78  weight gear_ratio   if price !=. & foreign !=. & length >= 190  , absorb(foreign)
  PAN={3}, COL={5}
  reg mpg rep78  turn gear_ratio   if price !=. & foreign !=. & length >= 190 & gear_ratio <= 3 , robust
  PAN={3}, COL={6}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , robust
  PAN={3}, COL={7}
  areg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , absorb(foreign)
  PAN={4}, COL={1}
  reg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , robust
  PAN={4}, COL={2}
  reg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , robust
  PAN={4}, COL={3}
  reg weight rep78 mpg  gear_ratio   if price !=. & foreign !=.  & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={4}, COL={4}
  areg price rep78 mpg weight gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={4}, COL={5}
  reg price rep78 mpg turn gear_ratio   if price !=. & foreign !=.  & gear_ratio <= 3 , robust
  PAN={4}, COL={6}
  reg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , robust
  PAN={4}, COL={7}
  areg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={5}, COL={1}
  reg price rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={5}, COL={2}
  reg price rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={5}, COL={3}
  reg weight rep78   gear_ratio   if price !=. & foreign !=.  & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={5}, COL={4}
  areg price rep78  weight gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={5}, COL={5}
  reg price rep78  turn gear_ratio   if price !=. & foreign !=.  & gear_ratio <= 3 , robust
  PAN={5}, COL={6}
  reg price rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={5}, COL={7}
  areg price rep78   gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={6}, COL={1}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={6}, COL={2}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={6}, COL={3}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.  & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={6}, COL={4}
  areg mpg rep78  weight gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
```

```
  PAN={6}, COL={5}
  reg mpg rep78  turn gear_ratio   if price !=. & foreign !=.  & gear_ratio <= 3 , robust
  PAN={6}, COL={6}
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={6}, COL={7}
  areg mpg rep78   gear_ratio   if price !=. & foreign !=.   , absorb(foreign)

126
127 ////////////////////////////////////////////////
  > ///--- D. Run Regressions
  > ////////////////////////////////////////////////
  >
128         eststo clear

129         global it_reg_ctr = 0

130
131         ///--- Loop over panels
  >         foreach it_pan_ctr of numlist 1(1)$it_pan_cnt {
    2.
132                 ///--- Counters
  >                 global it_pan_ctr "`it_pan_ctr'"
    3.
133                 ///--- Model Store Name
  >                 global st_cur_sm_stor "smd_${it_pan_ctr}_m"
    4.                    global ${st_cur_sm_stor} ""
    5.
134                 ///--- Loop over regression columns
  >                 foreach it_col_ctr of numlist 1(1)$it_col_cnt {
    6.
135                         ///--- Counters
  >                         global it_col_ctr "`it_col_ctr'"
    7.
136                         global it_reg_ctr = ${it_reg_ctr} + 1
    8.                       global st_cur_srg_name "srg_pan_${it_pan_ctr}_col_${it_col_ctr}"
    9.
137                         ///--- Regression String Name
  >                         di "PAN={$it_pan_ctr}, COL={$it_col_ctr}, ${st_cur_srg_name}"
   10.                       di `"${${st_cur_srg_name}}"'
   11.
138                         ///--- Reset Strings to Default Always
  >                         global slb_col_u "${slb_col}"
   12.                       global st_ls_rep "slb_col"
   13.                       foreach st_seg in $st_ls_rep {
   14.                               global st_seg "`st_seg'"
   15.                               if ("${${st_seg}_${it_col_ctr}}" != "") {
   16.                                       global ${st_seg}_u `"${${st_seg}_${it_col_ctr}}"'
   17.                               }
   18.                       }
   19.
139                         ///--- Regress
  >                         capture $quiornot {
   20.                                       eststo m${it_reg_ctr}, title("${slb_col_u}") : ${$st_cur_srg_name}
   21.                       }
   22.                       if _rc!=0 {
   23.                               ///--- This means this this regression failed, proceed with empty col
  >                               * Generate a fake observation to create a new estimated model
140                               * Then replace the observation N by setting it to 0, otherwise N = 1
141                               capture drop aaa
   24.                                gen aaa = 0 if _n == 1
   25.                                eststo m${it_reg_ctr}, title("${slb_col_u}") : estpost tabstat aaa , statistics(n) c(s
  > )
   26.                                estadd scalar N = 0, replace
   27.                       }
   28.
142                         ///--- Estadd Controls
  >                         * foreach st_scalar_name in $stc_sca {
143                         *       estadd local ${st_scalar_name} e(${st_scalar_name})
144                         * }
145
146                         ///--- Track Regression Store
  >                         global $st_cur_sm_stor "${${st_cur_sm_stor}} m${it_reg_ctr}"
   29.                   }
   30.         }
  PAN={1}, COL={1}, srg_pan_1_col_1
  reg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , robust
  PAN={1}, COL={2}, srg_pan_1_col_2
  reg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , robust
  PAN={1}, COL={3}, srg_pan_1_col_3
  reg weight rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0 & trunk != 5 & ~strpos(make, "Ford")
  > , robust
  PAN={1}, COL={4}, srg_pan_1_col_4
  areg price rep78 mpg headroom weight gear_ratio   if price !=. & foreign !=. & foreign == 0  , absorb(foreign)
  PAN={1}, COL={5}, srg_pan_1_col_5
  reg price rep78 mpg headroom turn gear_ratio   if price !=. & foreign !=. & foreign == 0 & gear_ratio <= 3 , robust
  PAN={1}, COL={6}, srg_pan_1_col_6
  reg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , robust
  PAN={1}, COL={7}, srg_pan_1_col_7
  areg price rep78 mpg headroom  gear_ratio   if price !=. & foreign !=. & foreign == 0  , absorb(foreign)
  PAN={2}, COL={1}, srg_pan_2_col_1
  reg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , robust
  PAN={2}, COL={2}, srg_pan_2_col_2
  reg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , robust
  PAN={2}, COL={3}, srg_pan_2_col_3
  reg weight rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1 & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={2}, COL={4}, srg_pan_2_col_4
  areg price rep78  weight gear_ratio   if price !=. & foreign !=. & foreign == 1  , absorb(foreign)
  PAN={2}, COL={5}, srg_pan_2_col_5
  reg price rep78  turn gear_ratio   if price !=. & foreign !=. & foreign == 1 & gear_ratio <= 3 , robust
  (73 missing values generated)

  Summary statistics: count
       for variables: aaa

                  |  e(count)
  ----------------+-----------
              aaa |          1

  added scalar:
                  e(N) =  0
  PAN={2}, COL={6}, srg_pan_2_col_6
  reg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , robust
  PAN={2}, COL={7}, srg_pan_2_col_7
  areg price rep78   gear_ratio   if price !=. & foreign !=. & foreign == 1  , absorb(foreign)
  PAN={3}, COL={1}, srg_pan_3_col_1
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , robust
  PAN={3}, COL={2}, srg_pan_3_col_2
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , robust
  PAN={3}, COL={3}, srg_pan_3_col_3
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190 & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={3}, COL={4}, srg_pan_3_col_4
  areg mpg rep78  weight gear_ratio   if price !=. & foreign !=. & length >= 190  , absorb(foreign)
  PAN={3}, COL={5}, srg_pan_3_col_5
  reg mpg rep78  turn gear_ratio   if price !=. & foreign !=. & length >= 190 & gear_ratio <= 3 , robust
  PAN={3}, COL={6}, srg_pan_3_col_6
  reg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , robust
  PAN={3}, COL={7}, srg_pan_3_col_7
  areg mpg rep78   gear_ratio   if price !=. & foreign !=. & length >= 190  , absorb(foreign)
  PAN={4}, COL={1}, srg_pan_4_col_1
  reg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , robust
  PAN={4}, COL={2}, srg_pan_4_col_2
  reg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , robust
  PAN={4}, COL={3}, srg_pan_4_col_3
  reg weight rep78 mpg  gear_ratio   if price !=. & foreign !=.  & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={4}, COL={4}, srg_pan_4_col_4
  areg price rep78 mpg weight gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={4}, COL={5}, srg_pan_4_col_5
  reg price rep78 mpg turn gear_ratio   if price !=. & foreign !=.  & gear_ratio <= 3 , robust
  PAN={4}, COL={6}, srg_pan_4_col_6
  reg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , robust
  PAN={4}, COL={7}, srg_pan_4_col_7
  areg price rep78 mpg  gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={5}, COL={1}, srg_pan_5_col_1
  reg price rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={5}, COL={2}, srg_pan_5_col_2
  reg price rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={5}, COL={3}, srg_pan_5_col_3
  reg weight rep78   gear_ratio   if price !=. & foreign !=.  & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={5}, COL={4}, srg_pan_5_col_4
  areg price rep78  weight gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={5}, COL={5}, srg_pan_5_col_5
  reg price rep78  turn gear_ratio   if price !=. & foreign !=.  & gear_ratio <= 3 , robust
  PAN={5}, COL={6}, srg_pan_5_col_6
  reg price rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={5}, COL={7}, srg_pan_5_col_7
  areg price rep78   gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={6}, COL={1}, srg_pan_6_col_1
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={6}, COL={2}, srg_pan_6_col_2
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={6}, COL={3}, srg_pan_6_col_3
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.  & trunk != 5 & ~strpos(make, "Ford") , robust
  PAN={6}, COL={4}, srg_pan_6_col_4
  areg mpg rep78  weight gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
  PAN={6}, COL={5}, srg_pan_6_col_5
  reg mpg rep78  turn gear_ratio   if price !=. & foreign !=.  & gear_ratio <= 3 , robust
  PAN={6}, COL={6}, srg_pan_6_col_6
  reg mpg rep78   gear_ratio   if price !=. & foreign !=.   , robust
  PAN={6}, COL={7}, srg_pan_6_col_7
  areg mpg rep78   gear_ratio   if price !=. & foreign !=.   , absorb(foreign)
```

```
147
148         di "${${st_cur_sm_stor}}"
   m36 m37 m38 m39 m40 m41 m42

149
150         ///--- Regression Panel String list
  >         foreach it_pan_ctr of numlist 1(1)$it_pan_cnt {
    2.                 global it_pan_ctr "`it_pan_ctr'"
    3.                 global st_cur_sm_stor "smd_${it_pan_ctr}_m"
    4.                 di "${st_cur_sm_stor}"
    5.         }
  smd_1_m
  smd_2_m
  smd_3_m
  smd_4_m
  smd_5_m
  smd_6_m

151
152 ////////////////////////////////////////////////
  > ///--- E. Show Results
  > ////////////////////////////////////////////////
  >
153         foreach it_pan_ctr of numlist 1(1)$it_pan_cnt {
    2.
154                 global it_pan_ctr "`it_pan_ctr'"
    3.
155                 global slb_eso_u "${slb_eso}"
    4.                 global slb_tex_eso_u "${slb_tex_eso}"
    5.
156                 global slb_pan_u "${slb_pan}"
    6.                 global slb_pan_nte_u "${slb_pan_nte}"
    7.
157                 global st_ls_rep "slb_pan slb_pan_nte"
    8.                 foreach st_seg in $st_ls_rep {
    9.                         global st_seg "`st_seg'"
   10.                         if (`"${${st_seg}_${it_pan_ctr}}"' != "") {
   11.                                 global ${st_seg}_u `"${${st_seg}_${it_pan_ctr}}"'
   12.                         }
   13.                 }
   14.
158                 global svr_kep_u "${svr_kep} ${svr_kep_pan_${it_pan_ctr}}"
   15.                 global st_esttab_opts_main `"addnotes(${slb_pan_nte_u}) title("${slb_pan_u}") keep(${svr_kep_u}) order
  > (${svr_kep_u})"'
   16.                 global st_esttab_opts_tex `"${st_esttab_opts_main} ${slb_tex_eso_u}"'
   17.                 global st_esttab_opts_oth `"${st_esttab_opts_main} ${slb_eso_u}"'
   18.
159                 di "MODELS: ${smd_${it_pan_ctr}_m}"
   19.                 di `"st_esttab_opts_main: ${st_esttab_opts_main}"'
   20.
160                 ///--- output to log
  >                 esttab ${smd_${it_pan_ctr}_m}, ${st_esttab_opts_oth}
   21.
161                 ///--- save results to html, rtf, as well as tex
  >                 if ($it_pan_ctr == 1) {
   22.                         global st_replace "replace"
   23.                 }
   24.                 else {
   25.                         global st_replace "append"
   26.                 }
   27.                 esttab ${smd_${it_pan_ctr}_m} using "${st_tab_html}", ${st_esttab_opts_oth} $st_replace
   28.                 esttab ${smd_${it_pan_ctr}_m} using "${st_tab_rtf}",  ${st_esttab_opts_oth} $st_replace
   29.                 esttab ${smd_${it_pan_ctr}_m} using "${st_tab_tex}",  ${st_esttab_opts_tex} $st_replace
   30.
162         }
  MODELS:  m1 m2 m3 m4 m5 m6 m7
  st_esttab_opts_main: addnotes("This panel only includes foreign == 0. Absorb no effects.") title("Panel A, foreign == 0") k
  > eep(rep78 mpg headroom  turn) order(rep78 mpg headroom  turn)

  Panel A, foreign == 0
  ------------------------------------------------------------------------------------------------------------------------
    _________
                              (1)             (2)             (3)             (4)             (5)             (6)
  >     (7)
                            price           price             wgt           areg       gear <= 3             reg
  >    areg
  ------------------------------------------------------------------------------------------------------------------------
    _________
  Repair Record 1978          404.2           404.2           71.68*           215.3           297.7           404.2
  >   404.2
                            (0.252)         (0.252)         (0.063)         (0.602)         (0.547)         (0.252)         (
  > 0.380)

  Mileage (mpg)              -226.9**        -226.9**       -107.8***           167.5          -175.7          -226.9**
  > -226.9**
                            (0.046)         (0.046)         (0.000)         (0.261)         (0.409)         (0.046)         (
  > 0.036)

  Headroom (in.)             -426.0          -426.0          -27.26          -470.6          -431.9          -426.0
  > -426.0
                            (0.191)         (0.191)         (0.535)         (0.259)         (0.382)         (0.191)         (
  > 0.361)

  Turn Circle (ft.)                                                                          126.7
  >
                                                                                            (0.499)
  >
  ------------------------------------------------------------------------------------------------------------------------
    _________
  N                             48              48              46              48              37              48
  >      48
  r2                         0.431           0.431           0.792           0.558           0.450           0.431
  >   0.431
  rank                           5               5               5               6               6               5
  >       5
  ------------------------------------------------------------------------------------------------------------------------
    _________
  p-values in parentheses
  This panel only includes foreign == 0. Absorb no effects.
  * p<0.10, ** p<0.05, *** p<0.01
  (output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.html)
  (output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.rtf)
  (output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab_texbody.tex)
  MODELS:  m8 m9 m10 m11 m12 m13 m14
  st_esttab_opts_main: addnotes("This panel then focuses only on foreign == 1" "Hi there, more notes next line") title("Panel
  >  B, foreign == 1") keep(rep78 ) order(rep78 )

  Panel B, foreign == 1
  ------------------------------------------------------------------------------------------------------------------------
    _________
                              (1)             (2)             (3)             (4)             (5)             (6)
  >     (7)
                            price           price             wgt           areg       gear <= 3             reg
  >    areg
  ------------------------------------------------------------------------------------------------------------------------
    _________
  Repair Record 1978          182.2           182.2           50.78          -356.9                           182.2
  >   182.2
                            (0.761)         (0.761)         (0.472)         (0.430)                         (0.761)         (
  > 0.818)
  ------------------------------------------------------------------------------------------------------------------------
    _________
  N                             21              21              20              21               0              21
  >      21
  r2                         0.0891          0.0891           0.400           0.735                          0.0891
  > 0.0891
  rank                           3               3               3               4               0               3
  >       3
  ------------------------------------------------------------------------------------------------------------------------
    _________
  p-values in parentheses
  This panel then focuses only on foreign == 1
  Hi there, more notes next line
  * p<0.10, ** p<0.05, *** p<0.01
  (output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.html)
  (output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.rtf)
  (output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab_texbody.tex)
  MODELS:  m15 m16 m17 m18 m19 m20 m21
  st_esttab_opts_main: addnotes(general notes) title("Panel C, length >= 190") keep(rep78 ) order(rep78 )

  Panel C, length >= 190
  ------------------------------------------------------------------------------------------------------------------------
    _________
                              (1)             (2)             (3)             (4)             (5)             (6)
  >     (7)
                            price           price             wgt           areg       gear <= 3             reg
  >    areg
  ------------------------------------------------------------------------------------------------------------------------
    _________
  Repair Record 1978         -0.297          -0.297          -0.297           0.272          -0.935          -0.297
  > -0.183
                            (0.526)         (0.526)         (0.526)         (0.577)         (0.117)         (0.526)         (
  > 0.769)
  ------------------------------------------------------------------------------------------------------------------------
    _________
  N                             36              36              36              36              31              36
  >      36
  r2                         0.174           0.174           0.174           0.533           0.431           0.174
  >   0.178
  rank                           3               3               3               4               4               3
  >       3
  ------------------------------------------------------------------------------------------------------------------------
```

```
  _________
p-values in parentheses
general notes
* p<0.10, ** p<0.05, *** p<0.01
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.html)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.rtf)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab_texbody.tex)
MODELS:  m22 m23 m24 m25 m26 m27 m28
st_esttab_opts_main: addnotes(general notes) title("current panel results") keep(rep78 mpg  turn length turn) order(rep78 m
> pg  turn length turn)

current panel results
```

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	price	price	wgt	areg	gear <= 3	reg	areg
Repair Record 1978	**774.6*** **	**774.6*** **	**-6.772**	**65.63**	**614.0**	**774.6*** **	**248.6**
	(**0.003**)	(**0.003**)	(**0.903**)	(**0.844**)	(**0.248**)	(**0.003**)	(**0.513**)
Mileage (mpg)	**-210.6*** **	**-210.6*** **	**-63.16*** **	**46.88**	**-250.6**	**-210.6*** **	**-180.2** **
	(**0.005**)	(**0.005**)	(**0.000**)	(**0.548**)	(**0.210**)	(**0.005**)	(**0.010**)
Turn Circle (ft.)					**12.54**		
					(**0.948**)		
Length (in.)							
N	**69**	**69**	**66**	**69**	**38**	**69**	**69**
r2	**0.275**	**0.275**	**0.774**	**0.516**	**0.383**	**0.275**	**0.357**
rank	**4**	**4**	**4**	**5**	**5**	**4**	**4**

```
  _________
p-values in parentheses
general notes
* p<0.10, ** p<0.05, *** p<0.01
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.html)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.rtf)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab_texbody.tex)
MODELS:  m29 m30 m31 m32 m33 m34 m35
st_esttab_opts_main: addnotes("This panel is the 5th" "Yes it is the 5th, so what") title("current panel results") keep(rep
> 78 ) order(rep78 )

current panel results
```

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	price	price	wgt	areg	gear <= 3	reg	areg
Repair Record 1978	**575.2** **	**575.2** **	**-62.11**	**118.3**	**768.2**	**575.2** **	**5.905**
	(**0.043**)	(**0.043**)	(**0.403**)	(**0.712**)	(**0.199**)	(**0.043**)	(**0.988**)
N	**69**	**69**	**66**	**69**	**38**	**69**	**69**
r2	**0.176**	**0.176**	**0.648**	**0.513**	**0.331**	**0.176**	**0.287**
rank	**3**	**3**	**3**	**4**	**4**	**3**	**3**

```
  _________
p-values in parentheses
This panel is the 5th
Yes it is the 5th, so what
* p<0.10, ** p<0.05, *** p<0.01
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.html)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.rtf)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab_texbody.tex)
MODELS:  m36 m37 m38 m39 m40 m41 m42
st_esttab_opts_main: addnotes(general notes) title("current panel results") keep(rep78 ) order(rep78 )

current panel results
```

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	price	price	wgt	areg	gear <= 3	reg	areg
Repair Record 1978	**0.947**	**0.947**	**0.876**	**1.123** **	**-0.615**	**0.947**	**1.347** **
	(**0.195**)	(**0.195**)	(**0.236**)	(**0.033**)	(**0.528**)	(**0.195**)	(**0.048**)
N	**69**	**69**	**66**	**69**	**38**	**69**	**69**
r2	**0.452**	**0.452**	**0.448**	**0.686**	**0.498**	**0.452**	**0.466**
rank	**3**	**3**	**3**	**4**	**4**	**3**	**3**

```
  _________
p-values in parentheses
general notes
* p<0.10, ** p<0.05, *** p<0.01
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.html)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab.rtf)
(output written to ~\Stata4Econ\reglin\multipanel\allpurpose\allpurpose_tab_texbody.tex)

163
164 ////////////////////////////////////////////////
  > ///--- F. Log to PDF etc
  > ////////////////////////////////////////////////
  >
165 ///--- End Log and to HTML
  >         log close
       name:  <unnamed>
        log:  C:\Users\fan\Stata4Econ\reglin\multipanel\allpurpose\allpurpose.smcl
   log type:  smcl
  closed on:   2 Sep 2019, 15:37:51
  _________
```