```
. 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
   1. Get statistics from regression, for example the p value
   2. Show all1 subgroup coefficients in one regression
. ///--- Start log
> capture log close
 cd "${root log}"
C:\Users\fan\Documents\Dropbox (UH-ECON)\Project Emily Minority Survey\Tables\Quality Distance\cts_and_discrete_final
. global curlogfile "~\Stata4Econ\table\multipanel\tab_6col_2panels"
. log using "${curlogfile}", replace
(note: file C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_2panels.smcl not found)
           <unnamed>
      log: C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_2panels.smcl
 log type:
            smcl
 opened on: 11 Aug 2019, 23:59:41
(log already on)
. set trace off
. ///--- Load Data
> set more off
. sysuse auto, clear
(1978 Automobile Data)
. tab rep78
    Repair
Record 1978
                 Freq.
                           Percent
                                         Cum.
                             2.90
                                         2.90
         2
                             11.59
                                        14.49
         3
                    30
                                        57.97
                             43.48
         4
                    18
                             26.09
                                        84.06
         5
                             15.94
                                       100.00
                            100.00
     Total
                    69
. tab foreign
   Car type
                 Freq.
                           Percent
                                         Cum.
                             70.27
   Domestic
                    52
                                        70.27
   Foreign
                    22
                             29.73
                                       100.00
                    74
     Total
                            100.00
 global svr outcome "price"
         global svr_rhs_panel_a "mpg ib1.rep78 displacement gear_ratio"
         global svr rhs panel b "headroom mpg trunk weight displacement gear ratio"
         global svr_rhs_panel_c "headroom turn length weight trunk"
         global sif col 1 "weight <= 4700"</pre>
         global sif_col_2 "weight <= 4500"</pre>
         global sif_col_3 "weight <= 4300"</pre>
         global sif_col_4 "weight <= 4100"</pre>
         global sif_col_5 "weight <= 3900"</pre>
         global sif_col_6 "weight <= 3700"</pre>
```

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```
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        global stc regc "regress"
         global stc_opts ", noc"
 ///--- B1. Define Regressions Panel A
foreach it_regre of numlist 1(1)6 {
                  #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_1"
                regress price mpg ib1.rep78 displacement gear ratio if 1 , noc
         di "$srg_panel_a_col 2"
                regress price mpg ib1.rep78 displacement gear ratio if 2 , noc
         di "$srg_panel_a_col_3"
                regress price mpg ib1.rep78 displacement gear ratio if 3 , noc
         di "$srg_panel_a_col_4"
                regress price mpg ib1.rep78 displacement gear ratio if 4 , noc
         di "$srg_panel_a_col_5"
                regress price mpg ib1.rep78 displacement gear ratio if 5 , noc
         di "$srg_panel_a_col_6"
                regress price mpg ib1.rep78 displacement gear ratio if 6 , noc
> ///--- B2. Define Regressions Panel B
foreach it_regre of numlist 1(1)6 {
                   #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 1"
                 regress price headroom mpg trunk weight displacement gear_ratio if 1 , noc
        di "$srg panel b col 2"
                regress price headroom mpg trunk weight displacement gear_ratio if 2 , noc
        di "$srg panel b col 3"
                regress price headroom mpg trunk weight displacement gear ratio if 3 , noc
        di "$srg panel b col 4"
                regress price headroom mpg trunk weight displacement gear_ratio if 4 , noc
        di "$srg_panel_b_col_5"
                regress price headroom mpg trunk weight displacement gear ratio if 5 , noc
         di "$srg_panel_b_col_6"
                regress price headroom mpg trunk weight displacement gear ratio if 6 , noc
> ///--- B3. Define Regressions Panel C
foreach it regre of numlist 1(1)6 {
                  #delimit;
delimiter now ;
                global srg panel c col `it regre' "
                  $stc_regc $svr_outcome $svr_rhs_panel_c if $sif_col_`it_regre' $stc_opts
                   #delimit cr
delimiter now cr
        di "$srg_panel_c_col_1"
                 regress price headroom turn length weight trunk if 1 , noc
        di "$srg panel c col 2"
                 regress price headroom turn length weight trunk if 2 , noc
        di "$srg panel c col 3"
                 regress price headroom turn length weight trunk if 3 , noc
        di "$srg panel c col 4"
                 regress price headroom turn length weight trunk if 4 , noc
        di "$srg panel c col 5"
                 regress price headroom turn length weight trunk if 5 , noc
```

```
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                regress price headroom turn length weight trunk if 6 , noc
> ///--- C. Run Regressions
. qui {
        di "$smd_panel_a_m"
m1 m2 m3 m4 m5 m6
        di "$smd panel b m"
m7 m8 m9 m10 m11 m12
        di "$smd_panel_c_m"
m13 m14 m15 m16 m17 m18
> ///--- D1. Labeling
> |||||||||
. ///--- Title overall
        global slb title "Outcome: Attending School or Not"
        global slb_panel_a "Group A: Coefficients for Distance to Elementary School Variables"
        global slb_panel_b "Group B: Coefficients for Elementary School Physical Quality Variables"
        global slb_panel_c "Group C: More Coefficientss"
        global slb_note "${slb_starLvl}. Standard Errors clustered at village level. Each Column is a spearate regression."
. ///--- Show which coefficients to keep
        #delimit;
delimiter now ;
        global svr_coef_keep_panel_a "
          mpg
          2.rep78 3.rep78
>
          4.rep78 5.rep78
        global svr_coef_keep_panel_b "
          headroom
          trunk
          weight
        global svr coef keep panel c "
               #delimit cr
delimiter now cr
. ///--- Labeling for for Coefficients to Show
        #delimit;
delimiter now ;
        global svr_starts_var_panel_a "mpg";
        global slb_coef_label_panel_a "
          mpg "miles per gallon"
          2.rep78 "rep78 is 2"
          3.rep78 "rep78 is 3"
          4.rep78 "rep78 is 4"
          5.rep78 "rep78 is 5"
        #delimit cr
delimiter now cr
        #delimit;
delimiter now ;
        global svr_starts_var_panel_b "headroom";
        global slb_coef_label_panel_b "
headroom "headroom variable"
          mpg "miles per gallon"
          trunk "this is the trunk variable"
          weight "and here the weight variable"
        #delimit cr
delimiter now cr
        #delimit;
delimiter now;
        global svr starts var panel c "turn";
        global slb coef label panel c "
          turn "variable is turn"
        #delimit cr
delimiter now cr
> ///--- D2. Regression Display Controls
```

Group A: Coefficients for Distance to Elementary School Variables

	weight <= 4700	weight <= 4500	weight <= 4300	weight <= 4100	weight <= 3900	weight <= 3
miles per gallon	-126.3*	-126.3*	-126.3*	-126.3*	-126.3*	-12
	(71.6)	(71.6)	(71.6)	(71.6)	(71.6)	(71
rep78 is 2	57.1	57.1	57.1	57.1	57.1	5
-	(1794.0)	(1794.0)	(1794.0)	(1794.0)	(1794.0)	(1794
rep78 is 3	583.0	583.0	583.0	583.0	583.0	. 58
1	(1683.1)	(1683.1)	(1683.1)	(1683.1)	(1683.1)	(1683
rep78 is 4	1191.4	1191.4	1191.4	1191.4	1191.4	119
1	(1743.1)	(1743.1)	(1743.1)	(1743.1)	(1743.1)	(1743
rep78 is 5	2996.5*	2996.5*	2996.5*	2996.5*	2996.5*	299
10,70 10 0	(1791.3)	(1791.3)	(1791.3)	(1791.3)	(1791.3)	(1791
N	69	69	69	69	69	
provage	No	No	Yes	Yes	No	
countfe	No	No	Yes	Yes	No	

\* 0.10 \*\* 0.05 \*\*\* 0.01. Standard Errors clustered at village level. Each Column is a spearate regression.

```
esttab $smd_panel_b_m , ///
title("${slb_panel_b}") ///
keep(${svr_coef_keep_panel_b}) order(${svr_coef_keep_panel_b}) ///
coeflabels($slb_coef_label_panel_b) ///
stats(N provage countfe) ///
star($starLvl) $slb_cells_local ///
${slb_esttab_local_opt} addnotes(${slb_note})
```

Group B: Coefficients for Elementary School Physical Quality Variables

	weight <= 4700	weight <= 4500	weight <= 4300	weight <= 4100	weight <= 3900	weight <= 3
headroom variable	-823.0*	-823.0*	-823.0*	-823.0*	-823.0*	-82
	(454.9)	(454.9)	(454.9)	(454.9)	(454.9)	(454
miles per gallon	-108.1	-108.1	-108.1	-108.1	-108.1	-10
1 3	(69.7)	(69.7)	(69.7)	(69.7)	(69.7)	(69
this is the trunk variable	22.8	22.8	22.8	22.8	22.8	. 2
onio io ono oranii varrabro	(106.3)	(106.3)	(106.3)	(106.3)	(106.3)	(106
and here the weight variable	1.22	1.22	1.22	1.22	1.22	` 1
and here one herene	(0.89)	(0.89)	(0.89)	(0.89)	(0.89)	(0.
N	74	74	74	74	74	
provage	No	No	Yes	Yes	No	l
countfe	No	No	Yes	Yes	No	

\* 0.10 \*\* 0.05 \*\*\* 0.01. Standard Errors clustered at village level. Each Column is a spearate regression.

```
esttab $smd_panel_c_m , ///

title("${slb_panel_c}") ///

keep(${svr_coef_keep_panel_c}) order(${svr_coef_keep_panel_c}) ///

coeflabels($slb_coef_label_panel_c) ///

stats(N provage countfe) ///

star($starLvl) $slb_cells_local ///

{slb_esttab_local_opt} addnotes(${slb_note})
```

Group C: More Coefficientss

	weight <= 4700	weight <= 4500	weight <= 4300	weight <= 4100	weight <= 3900	weight <= 3
variable is turn	-163.0	-163.0	-163.0	-163.0	-163.0	-16
	(126.1)	(126.1)	(126.1)	(126.1)	(126.1)	(126
N	74	74	74	74	74	
provage	No	No	Yes	Yes	No	
countfe	No	No	Yes	Yes	No	

 $<sup>\</sup>star$  0.10  $\star\star$  0.05  $\star\star\star$  0.01. Standard Errors clustered at village level. Each Column is a spearate regression.

```
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                                 Page 5
         global it max col = 8
         global it_min_col = 2
         global colSeq "2 4 6 8"
         ///--- Group 1, columns 1 and 2
         global labG1 "All Age 5 to 12"
         global labC1 "{\small All Villages}"
         global labC2 "{\small No Teaching Points}"
         ///--- Group 2, columns 3 and 4
         global labG2 "Girls Age 5 to 12"
         global labC3 "{\small All Villages}"
         global labC4 "{\small No Teaching Points}"
         ///--- Group 3, columns 5 and 6 global labG3 "Boys Age 5 to 12" \,
         global labC5 "{\small All Villages}"
         global labC6 "{\small No Teaching Points}"
         ///--- Column Widths
         global perCoefColWid = 1.85
         global labColWid = 6.75
         ///--- Column Fractional Adjustment, 1 = 100%
         global tableAdjustBoxWidth = 1.0
> ///--- F2. Tabling Calculations
///--- Width Calculation
         global totCoefColWid = ${perCoefColWid}*${totCoefColCnt}
         global totColCnt = $totCoefColCnt + 1
         global totColWid = ${labColWid} + ${totCoefColWid} + ${perCoefColWid}
         global totColWidFootnote = ${labColWid} + ${totCoefColWid} + ${perCoefColWid} + ${perCoefColWid}/2
         global totColWidLegend = ${labColWid} + ${totCoefColWid} + ${perCoefColWid}
         global totColWidLegendthin = ${totCoefColWid} + ${perCoefColWid}
         di "totCoefColCnt:$totCoefColCnt"
totCoefColCnt:6
         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1
         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1
         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1
         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1
         di "totCoefColWid:$totCoefColWid"
totCoefColWid:11.1
global rcSpaceInit "\vspace*{-5mm}\hspace*{-3mm}"
         #delimit ;
delimiter now ;
         global slb titling panel a "
                 \frac{1}{s}b_coef_label_panel_a} "\multicolumn{\$totColCnt}{L{\${totColWidLegendthin}cm}}{\${rcSpaceInit}\textbf{\${slb_panel_a}}}
         global slb_refcat_panel_a `"refcat(${slb_titling_panel_a}, nolabel)"';
delimiter now cr
         #delimit ;
delimiter now ;
         global slb_titling_panel_b "
                 {\bar s}b_c = {\bar b}^{-1}  "\multicolumn{totColCnt}{L{\hat s}totColWidLegendthin}cm}}{{\bar b}} "\multicolumn{totColCnt}{L{\hat s}totColWidLegendthin}cm}}{{\bar b}}
         global slb refcat panel b `"refcat(${slb titling panel b}, nolabel)"";
```

```
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delimiter now cr
                  #delimit ;
delimiter now;
                  global slb_titling_panel_c "
                                $\slb_coef_label_panel_c\} \"\multicolumn\$totColCnt\{L\$\totColWidLegendthin\cm\}\$\restriction\\\textbf\$\slb_panel_c\}\}
                  global slb_refcat_panel_c `"refcat(${slb_titling_panel_c}, nolabel)"";
                  #delimit cr
delimiter now cr
> ///--- G2. Tex Align
global ampersand ""
                  foreach curLoop of numlist 1(1)$totCoefColCnt {
                          global ampersand "$ampersand &"
                  di "$ampersand"
  8 8 8 8 8
                  global alignCenter "m{${labColWid}cm}"
                  local eB1 ">{\centering\arraybackslash}m{${perCoefColWid}cm}"
                  foreach curLoop of numlist 1(1)$totCoefColCnt {
    global alignCenter "$alignCenter `eB1'"
                  di "$alignCenter"
m{6.75cm} >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm} >{\centering\arraybackslash}m{1.85cm} > {\centering\arraybackslash}m{1.85cm} > {\centerin
> 5cm} >{\centering\arraybackslash\m{1.85cm}
> ///--- G3. 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 {
                                global colCtr = $colCtr + 1
                                      global curCol1Min = `curCol' - 1
                                      if ($colCtr == 0 ) {
                                                    global minCoefCol = "`curCol'"
                                      if ($colCtr != 0 ) {
                                                   global gapCnt = (`curCol' - `lastCol')
global gapWidth = (`curCol' - `lastCol')*$perCoefColWid
   9.
  10.
                                                    di "curCol1Min:$curCol1Min, lastCol:`lastCol'"
                                                    di "$gapCnt"
  11.
  12.
                                              di "\multicolumn{$gapCnt}{C{${gapWidth}cm}}{\small no Control}"
                                                    di "\cmidrule(l{5pt}r{5pt}){`lastCol'-$curCollMin}"
  13.
 14.
                                              global curRow2MidLine "\cmidrule(1{5pt}r{5pt}){`lastCol'-$curCol1Min}"
                                                    global row2MidLine "$row2MidLine $curRow2MidLine"
  15.
 16.
                                              global curRow2 "\multicolumn{$gapCnt}{C{${gapWidth}cm}}{\small ${labG${colCtr}}}}"
                                                    global row2 "$row2 & $curRow2"
  17.
  18.
  19.
                                     local lastCol = `curCol'
  20.
curCol1Min:3, lastCol:2
\multicolumn{2}{C{3.7cm}}{\small no Control}
\cmidrule(1{5pt}r{5pt}){2-3}
curCol1Min:5, lastCol:4
\c (1{5pt}r{5pt}){4-5}
curCol1Min:7, lastCol:6
\multicolumn{2}{C{3.7cm}}{\small no Control}
\c (1{5pt}r{5pt}){6-7}
                  ///--- C. Row 3
                    Initial & for label column
```

```
Sunday August 11 23:59:43 2019 Page 7 $totCoefColCnt {
                                  global curText "${labC`curLoop'}"
                                  global textUse "(`curLoop')"
   3.
                                  if ("$curText" != "") {
                                               global textUse "$curText"
                                  global curRow3 "\multicolumn{1}{C{${perCoefColWid}cm}}{$textUse}"
                                  global row3 "$row3 & $curRow3"
                     }
                ///--- D. Row 1 and midline:
                global rowlMidLine "\cmidrule(1{5pt}r{5pt}){${minCoefCol}-${curCol1Min}}"
                ///--- C.3.E Print lines
                di "$row1 \\"
& \multicolumn{6}{C{11.1cm}}{Outcome: Attending School or Not} \\
                di "$row1MidLine "
\c (1{5pt}r{5pt}){2-7}
                di "$row2 \\"
  & \multicolumn{2}{C{3.7cm}}{\small All Age 5 to 12} & \multicolumn{2}{C{3.7cm}}{\small Girls Age 5 to 12} & \multicolumn{2}{C{3.7cm}}}{\small Age 5 to 12}} & \multicolumn{2}{C{3.7cm
                di "$row2MidLine"
  \c (1{5pt}r{5pt}){2-3} \c (1{5pt}r{5pt}){4-5} \c (1{5pt}r{5pt}){6-7}
                di "$row3 \\"
  & \multicolumn{1}{C(1.85cm}}{ \small All Villages}} & \multicolumn{1}{C(1.85cm}}{ \small No Teaching Points}} & \multicolumn{1}{C(1.85cm}}
> all No Teaching Points}} & \multicolumn{1}{C{1.85cm}}{{\small All Villages}} & \multicolumn{1}{C{1.85cm}}{{\small No Teaching Points}} \\
                ///--- C.4 Together
                #delimit ;
delimiter now ;
                local fileTitle "${MainCaption}";
                local tableLabelName "${labelName}";
                 ///--- 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
                                                        $notelong} \\
                             ";
                global startTable "\begin{table}[htbp]
                                           \centering
                                           \caption{`fileTitle'\label{`tableLabelName'}}
                                           ${adjustBoxStart}
                                           \begin{tabular}{`centering'}
                                           \toprule
                global headlineAll "prehead(${startTable}${headline})";
                global headlineAllNoHead "prehead(${startTable})";
                \verb|global postAll "postfoot(\bottomrule ${notewrap} \end{tabular} ${adjustBoxEnd} \end{table})";
                 #delimit cr
delimiter now cr
> ///--- H1. Latex Controls
global slb starLvl "* 0.10 ** 0.05 *** 0.01"
                global slb starComm "nostar"
```

```
Sunday August 11 23:59:43 2019 Page 8
          global slb esttab tex opt "collabels(none) nomtitles nonumbers booktabs"
          global slb_esttab_tex_opt "stats(N provage countfe) star($starLvl) $slb_cells ${slb_esttab_tex_opt} "
 ///--- H2. Output Results to Tex
esttab $smd_panel_a_m using "${curlogfile}.tex", ///
                  title("${slb_panel_a}") ///
                  keep(${svr_coef_keep_panel_a}) order(${svr_coef_keep_panel_a}) ///
coeflabels($slb_coef_label_panel_a) ///
                  $slb_refcat_panel_a 7//
                  $slb_esttab_tex_opt ///
fragment //7
                  $headlineAll postfoot("") replace
(output written to <u>~\Stata4Econ\table\multipanel\tab_6col_2panels.tex</u>)
         keep(${svr_coef_keep_panel_b}) order(${svr_coef_keep_panel_b}) ///
coeflabels($slb_coef_label_panel_b) ///
$slb_refcat_panel_b ///
$slb_esttab_tex_opt ///
                 fragment //7
prehead("") postfoot("") append
(output written to <a href="https://www.ncbe.nultipanel/tab_6col_2panels.tex">\cdotstata4Econ\table\multipanel\tab_6col_2panels.tex</a>)
         keep(${svr_coef_keep_panel_c}) order(${svr_coef_keep_panel_c}) ///
coeflabels($slb_coef_label_panel_c) ///
                  $slb_refcat_panel_c 7//
$slb_esttab_tex_opt ///
                  addnotes(${slb_note}) ///
prehead("") $postAll append
(output written to ~\Stata4Econ\table\multipanel\tab 6col 2panels.tex)
> ///--- I. Out Logs
///--- End Log and to HTML
> log close
     name: <unnamed>
      log: C:\Users\fan\Stata4Econ\table\multipanel\tab_6col_2panels.smcl
  log type: smcl
 closed on: 11 Aug 2019, 23:59:42
. capture noisily {
   log2html "${curlogfile}", replace
HTML log file ~\Stata4Econ\table\multipanel\tab 6col 2panels.html created
. }
. ///--- 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 "\${curlogfile}.pdf", replace translator(Results2pdf)