

Custom estimation tables

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Outline

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Estimation tables

Estimation results

Example (Simulated data)

```
. describe
```

```
Contains data from etable.dta
```

```
Observations:      200
```

```
Variables:         6
```

```
20 Sep 2021 08:32
```

Variable name	Storage type	Display format	Value label	Variable label
x1	float	%9.0g		X_1
x2	float	%9.0g		X_2
f1	byte	%9.0g	f1	F_1
f2	byte	%9.0g	f2	F_2
y1	byte	%9.0g		Binary outcome
y2	float	%9.0g		Continuous outcome

```
Sorted by:
```

Estimation results

Estimation commands

Fit models and post their results to `e()`.

`ereturn list`

- ▶ Scalars
 - ▶ `e(N)` – sample size
 - ▶ `e(ll)` – log likelihood
- ▶ Macros
 - ▶ `e(cmdline)` – command as typed
 - ▶ `e(depvar)` – dependent variable
 - ▶ `e(title)` – estimation title
- ▶ Matrices
 - ▶ `e(b)` – fitted values
 - ▶ `e(V)` – estimated variance for `e(b)`

Estimation results

Coefficient table

Show fitted values, standard errors, tests, and confidence intervals.

matrix list r(table)

Columns conform with **e(b)**.

Rows are the displayed values:

- ▶ **b** – fitted values ($\hat{\beta}$)
- ▶ **se** – standard error of **b**
- ▶ **z** or **t** – test for $H_0 : \beta = 0$
- ▶ **pvalue** – p-value for H_0
- ▶ **ll** – lower confidence limit
- ▶ **ul** – lower confidence limit
- ▶ **df** – degrees of freedom

Estimation results

System variables

Provide easy access to elements of $\mathbf{e}(\mathbf{b})$ and $\mathbf{e}(\mathbf{V})$.

- ▶ `_b` – elements of $\mathbf{e}(\mathbf{b})$
- ▶ `_se` – square root of diagonal elements of $\mathbf{e}(\mathbf{V})$

Use `_b` with postestimation commands `lincom`, `nlcom`, `test`, and `testnl`.

Example

```
. use etable
. logit y1 x1 x2 i.f1
. logit, coeflegend
. lincom _b[y1:x1] - 2*_b[y1:x2]
. nlcom _b[y1:x1] / _b[y1:x2]
```

Estimation results

System variables new in Stata 17

Provide easy access to elements of `r(table)`.

- ▶ `_r_b` – `b` elements of `r(table)`
- ▶ `_r_se` – `se` elements of `r(table)`
- ▶ `_r_z` – `z` or `t` elements of `r(table)`
- ▶ `_r_p` – `pvalue` elements of `r(table)`
- ▶ `_r_lb` – `ll` elements of `r(table)`
- ▶ `_r_ub` – `ul` elements of `r(table)`
- ▶ `_r_df` – `df` elements of `r(table)`

In a future update

- ▶ `_r_z_abs` – absolute value of `_r_z`

Estimation results

System variables, continued

- ▶ `r(table)` is fleeting compared to the results in `e()`.
- ▶ `_r_b` and friends pull from a hidden copy stored with `e()`.
 - ▶ `estimates store`
 - ▶ `estimates restore`
 - ▶ `estimates save`
 - ▶ `estimates use`

Estimation results

Replay estimation results

`_r_b` and friends automatically update.

Example

```
. quietly logit
. display _b[x1]
1.322184

. display _r_b[x1]
1.322184

. quietly logit, or
. display _b[x1]
1.322184

. display _r_b[x1]
3.7516061
```

Estimation results

Estimation tables

Commands available before Stata 17:

- ▶ Stata
 - ▶ `estimates table`
 - ▶ `putexcel`
 - ▶ `putdocx table`
 - ▶ `putpdf table`
 - ▶ `dyndoc`, `dyntext`, and `markdown`
- ▶ Community contributed
 - ▶ `outreg2` by R. Wada
 - ▶ `outreg` and `frmtable` by J. L. Gallup
 - ▶ `estout` and `esttab` by B. Jann
 - ▶ `asdoc` by A. Shah
 - ▶ `markdoc` by E. F. Haghish
 - ▶ ...

Collections

New in Stata 17

collect is a suite of commands for building custom tables in Stata.

Basic workflow

- ▶ **collect get** – consume results into a collection
 - ▶ **collect [get]** : – prefix
- ▶ **collect layout** – arrange the results in your table
- ▶ **collect style** – control appearance and behaviors
- ▶ **collect query** – show collection properties
- ▶ **collect label** – manipulate and show labels
- ▶ **collect export** – your table to a document

Collections

collect get

Specify what results to consume.

Example

```
. quietly logit y1 x1 x2 i.f1  
. collect get e()  
. collect dir
```

Collections in memory

Current: default

Name	No. items
default	72

Collections

collect: prefix

Will get results from `e ()` if they were created by running the prefixed command.

Example

```
. collect : logit y1 x1 x2 i.f1
```

Collections

Items and tags

collect **get** and **collect**: consume results by adding them as items to a collection.

- ▶ An item is a single number or string.
- ▶ Items are tagged for reference in style edits and the layout.
- ▶ Tags are composed from dimension-level pairs.

Collections

Scalar results

An item from `e (N)` has tag elements:

- ▶ `result [N]`
- ▶ `result_type [scalar]`
- ▶ `program_class [eclass]`

Macro results

An item from `e (cmd)` has tag elements:

- ▶ `result [cmd]`
- ▶ `result_type [macro]`
- ▶ `program_class [eclass]`

Collections

Matrix results

Also have tag elements for row and column names.

Example

```
. matrix list e(rules)
```

```
e(rules) [1,4]
      c1  c2  c3  c4
r1    0   0   0   0
```

An item from `e(rules) ["r1", "c1"]` has tag elements:

- ▶ `result[rules]`
- ▶ `result_type[matrix]`
- ▶ `program_class[eclass]`
- ▶ `rowname[r1]`
- ▶ `colname[c1]`

Collections

Special matrices

`e(b)` and `e(v)` are not consumed like other matrices.

`r(table)` is consumed using the new system variables.

`r(table) ["b", "y1:x1"]` is `_r_b[y1:x1]`

An item from this result has tag elements:

- ▶ `result[_r_b]`
- ▶ `result_type[matrix]`
- ▶ `program_class[eclass]`
- ▶ `colseq[y1]`
- ▶ `colname[x1]`

Collections

Example (list the dimensions)

```
. collect dims
```

```
Collection dimensions
```

```
Collection: default
```

	Dimension	No. levels
Layout, style, header, label		
	cmdset	1
	coleg	1
	colname	9
colname_remainder		1
	f1	2
program_class		1
	result	44
	result_type	3
	rowname	1
Style only		
	border_block	4
	cell_type	4

Collections

cmdset

Index for each set of results in the collection.

Example (list the levels/labels for cmdset)

```
. collect levelsof cmdset  
Collection: default  
Dimension: cmdset  
Levels: 1  
  
. collect label list cmdset, all  
Collection: default  
Dimension: cmdset  
Label: Command results index  
Level labels:  
1
```

Collections

Example (add label to describe this results set)

```
. collect label values cmdset 1 "log(Odds ratio)"  
. collect label list cmdset  
Collection: default  
Dimension: cmdset  
Label: Command results index  
Level labels:  
1 log(Odds ratio)
```

Collections

coleq

Column equations taken from matrix results.

Look like a variable? Get the variable's label.

Example

```
. collect levelsof coleq
```

```
Collection: default
```

```
Dimension: coleq
```

```
Levels: y1
```

```
. collect label list coleq
```

```
Collection: default
```

```
Dimension: coleq
```

```
Label: Depvars, parameters, and column equations
```

```
Level labels:
```

```
    y1 Binary outcome
```

Collections

colname

Column names taken from matrix results.

Look like a variable? Get the variable's label.

Example

```
. collect levelsof colname  
Collection: default  
Dimension: colname  
Levels: x1 x2 0.f1 1.f1 c1 c2 c3 c4 _cons  
  
. collect label list colname  
Collection: default  
Dimension: colname  
Label: Covariate names and column names  
Level labels:  
  _cons  Intercept  
    f1    F_1  
    x1    X_1  
    x2    X_2
```

Collections

Factor variables

Become dimensions, if found in `colname`.

Their labels are also consumed.

Example

```
. collect levelsof f1
Collection: default
Dimension: f1
Levels: 0 1

. collect label list f1
Collection: default
Dimension: f1
Label: F_1
Level labels:
  0 Off
  1 On
```

Collections

result

Filled with the names of results consumed from `e()`, and includes the `r(table)` system variables.

```
. collect levelsof result  
(output too long, omitted)
```

`collect` has command-specific labels for many results.

```
. collect label list result, all  
(output too long, omitted)
```

`_r_ci` is a special composite level in `result`, it's items are composed from items tagged with `_r_lb` and `_r_ub`.

Collections

`colname_remainder`

Contains the remaining column stripe pieces when factor variables are removed.

Possibly useful for arranging/selecting interaction elements in the layout.

`rowname`

Similar to `colname`.

`border_block` and `cell_type`

Are not part of tags.

Used for style targeting.

Layout and appearance

collect layout

Use dimensions to select and arrange items into a table.

Without arguments, show the current layout information and possibly show you a table.

Example (default layout is empty)

```
. collect layout
```

Your layout specification does not identify any items.

Layout and appearance

Syntax

```
collect layout (rowspec) (colspec)
```

where *rowspec* and *colspec* are composed from dimensions and their interactions (#).

Coefficient table layout

rowspec

```
coleq#colname
```

colspec

```
result[_r_b _r_se _r_z _r_p _r_ci]
```

Layout and appearance

Example (coefficient table layout)

```
. collect layout (coleq#colname) (result[_r_b _r_se _r_z _r_p _r_ci])  
Collection: default  
  Rows: coleq#colname  
  Columns: result[_r_b _r_se _r_z _r_p _r_ci]  
Table 1: 6 x 5
```

	Coefficient	Std. error	z	p-value	95% CI	
Binary outcome						
X_1	1.322184	.5985862	2.21	0.027	.1489766	2.495391
X_2	-1.064822	.5836827	-1.82	0.068	-2.208819	.079175
Off	0	0				
On	2.049094	.3342964	6.13	0.000	1.393885	2.704303
Intercept	-.7792675	.4344927	-1.79	0.073	-1.630858	.0723225

Layout and appearance

collect style header

Controls the appearance of dimensions and their levels in row and column headers.

Example (hide the equation)

```
. collect query header coleq  
Dimension header styles  
Collection: default  
  Dimension: coleq  
    Level:  
  Show title: hide  
  Show level: label  
  
. collect style header coleq, level(hide)
```

Layout and appearance

collect preview

Shows a preview of your table.

Example (bye bye equation)

```
. collect preview
```

	Coefficient	Std. error	z	p-value	95% CI	
X_1	1.322184	.5985862	2.21	0.027	.1489766	2.495391
X_2	-1.064822	.5836827	-1.82	0.068	-2.208819	.079175
Off	0	0				
On	2.049094	.3342964	6.13	0.000	1.393885	2.704303
Intercept	-.7792675	.4344927	-1.79	0.073	-1.630858	.0723225

Layout and appearance

Example (hide base levels of factor variables)

```
. collect query showbase  
Display base levels  
Collection: default  
  Show base: all  
  
. collect style showbase off  
  
. collect preview
```

	Coefficient	Std. error	z	p-value	95% CI	
X_1	1.322184	.5985862	2.21	0.027	.1489766	2.495391
X_2	-1.064822	.5836827	-1.82	0.068	-2.208819	.079175
On	2.049094	.3342964	6.13	0.000	1.393885	2.704303
Intercept	-.7792675	.4344927	-1.79	0.073	-1.630858	.0723225

Layout and appearance

Example (show factor variable f1)

```
. collect query header f1  
Dimension header styles  
Collection: default  
  Dimension: f1  
    Level:  
Show title: hide  
Show level: label  
  
. collect style header f1, title(label)  
  
. collect preview
```

	Coefficient	Std. error	z	p-value	95% CI	
X_1	1.322184	.5985862	2.21	0.027	.1489766	2.495391
X_2	-1.064822	.5836827	-1.82	0.068	-2.208819	.079175
F_1=On	2.049094	.3342964	6.13	0.000	1.393885	2.704303
Intercept	-.7792675	.4344927	-1.79	0.073	-1.630858	.0723225

Layout and appearance

collect style row

Controls appearance and arrangement of row headers.

Example (remove binder on factor variables)

```
. collect query row  
(output too long, omitted)  
  
. collect style row stack, nobinder  
  
. collect preview
```

	Coefficient	Std. error	z	p-value	95% CI	
X_1	1.322184	.5985862	2.21	0.027	.1489766	2.495391
X_2	-1.064822	.5836827	-1.82	0.068	-2.208819	.079175
F_1						
On	2.049094	.3342964	6.13	0.000	1.393885	2.704303
Intercept	-.7792675	.4344927	-1.79	0.073	-1.630858	.0723225

Layout and appearance

collect style cell

Control appearance of cell contents in the table.

Example (fixed format for coefficient estimates)

```
. collect style cell result[_r_b _r_se _r_ci], nformat(%7.4f)  
. collect preview
```

	Coefficient	Std. error	z	p-value	95% CI	
X_1	1.3222	0.5986	2.21	0.027	0.1490	2.4954
X_2	-1.0648	0.5837	-1.82	0.068	-2.2088	0.0792
F_1						
On	2.0491	0.3343	6.13	0.000	1.3939	2.7043
Intercept	-0.7793	0.4345	-1.79	0.073	-1.6309	0.0723

Layout and appearance

Example (estimates table layout)

```
. collect layout (coleq#colname#result[_r_b _r_se]) (cmdset)
```

Collection: default

Rows: coleq#colname#result[_r_b _r_se]

Columns: cmdset

Table 1: 13 x 1

	log(Odds ratio)
X_1	
Coefficient	1.3222
Std. error	0.5986
X_2	
Coefficient	-1.0648
Std. error	0.5837
F_1	
On	
Coefficient	2.0491
Std. error	0.3343
Intercept	
Coefficient	-0.7793
Std. error	0.4345

Layout and appearance

Example (add parenthesis around standard errors)

```
. collect style cell result[_r_se], sformat("%s")  
. collect preview
```

	log(Odds ratio)
X_1	
Coefficient	1.3222
Std. error	(0.5986)
X_2	
Coefficient	-1.0648
Std. error	(0.5837)
F_1	
On	
Coefficient	2.0491
Std. error	(0.3343)
Intercept	
Coefficient	-0.7793
Std. error	(0.4345)

Layout and appearance

Example (hide result levels)

```
. collect query header result
Dimension header styles
Collection: default
  Dimension: result
    Level:
Show title: hide
Show level: label

. collect style header result , level(hide)

. collect preview
```

	log(Odds ratio)
X_1	1.3222 (0.5986)
X_2	-1.0648 (0.5837)
F_1 On	2.0491 (0.3343)
Intercept	-0.7793 (0.4345)

Stars

collect stars

Label significant results.

Example (commonly used labeling rules)

```
. collect stars _r_p .01 "***" .05 "*"
```

Example (where are the stars???)

```
. collect preview
```

	log(Odds ratio)
X_1	1.3222 (0.5986)
X_2	-1.0648 (0.5837)
F_1 On	2.0491 (0.3343)
Intercept	-0.7793 (0.4345)

Stars

collect stars

Adds items tagged with **result** [**stars**] by default.

Example (update the layout)

```
. collect layout (coleg#colname#result[_r_b _r_se stars]) (cmdset)
```

```
Collection: default
```

```
  Rows: coleg#colname#result[_r_b _r_se stars]
```

```
Columns: cmdset
```

```
Table 1: 11 x 1
```

	log(Odds ratio)
X_1	1.3222 (0.5986) *
X_2	-1.0648 (0.5837)
F_1 On	2.0491 (0.3343)
Intercept	-0.7793 (0.4345) **

Stars

collect stars

Can attach labels to items tagged with a different **result**.

Example (attach stars to the fitted values)

```
. collect stars _r_p .01 "***" .05 "*" , attach(_r_b)
. collect layout (coleq#colname#result[_r_b _r_se]) (cmdset)
```

```
Collection: default
  Rows: coleq#colname#result[_r_b _r_se]
  Columns: cmdset
Table 1: 9 x 1
```

	log(Odds ratio)
X_1	1.3222* (0.5986)
X_2	-1.0648 (0.5837)
F_1 On	2.0491** (0.3343)
Intercept	-0.7793 (0.4345)

Stars

Future update to Stata 17

- ▶ `collect stars` information will be stored in the style.
- ▶ `collect` will apply the `stars` labeling rules to subsequently collected results.
- ▶ New option `dimension` to add `stars` as a dimension instead of a level of `result`.

Stars

Example

```
. collect stars, dimension
```

```
. collect dims
```

```
Collection dimensions
```

```
Collection: default
```

	Dimension	No. levels
Layout, style, header, label		
	cmdset	1
	coleq	1
	colname	9
colname_remainder		1
	fl	2
program_class		1
	result	45
	result_type	3
	rowname	1
	stars	2
Style only		
	border_block	4
	cell_type	4

```
. collect levelsof stars
```

```
Collection: default
```

```
Dimension: stars
```

```
Levels: label value
```

Example (add stars dimension to the layout)

```
. collect layout (coleq#colname#result[_r_b _r_se]) (cmdset#stars)
```

```
Collection: default
```

```
  Rows: coleq#colname#result[_r_b _r_se]
```

```
 Columns: cmdset#stars
```

```
Table 1: 9 x 2
```

	log(Odds ratio)	log(Odds ratio)
X_1	1.3222 (0.5986)	*
X_2	-1.0648 (0.5837)	
F_1 On	2.0491 (0.3343)	**
Intercept	-0.7793 (0.4345)	

Stars

collect style column

Controls appearance and arrangement of column headers.

Example (center duplicate column headers)

```
. collect query column  
Column header styles  
  Collection: default  
  No delimiter: on  
    Delimiter: " # "  
  At delimiter: " @ "  
  Bar delimiter: " | "  
    Binder: "="  
  Duplicates: repeat  
    Position: top  
  Extra space: 0  
    Width: asis  
  
. collect style column, dups(center)
```

Example

```
. collect preview
```

	log(Odds ratio)	
X_1	1.3222 (0.5986)	*
X_2	-1.0648 (0.5837)	
F_1 On	2.0491 (0.3343)	**
Intercept	-0.7793 (0.4345)	

Example (left align the stars labels)

```
. collect style cell stars[label], halign(left)  
. collect preview
```

	log(Odds ratio)
X_1	1.3222 * (0.5986)
X_2	-1.0648 (0.5837)
F_1 On	2.0491 ** (0.3343)
Intercept	-0.7793 (0.4345)

Example (add odds ratios results)

```
. quietly logit, or
. collect get e()
. collect label levels cmdset 2 "Odds ratio"
. collect preview
```

	log(Odds ratio)	Odds ratio
X_1	1.3222 *	3.7516 *
	(0.5986)	(2.2457)
X_2	-1.0648	0.3448
	(0.5837)	(0.2012)
F_1		
On	2.0491 **	7.7609 **
	(0.3343)	(2.5944)
Intercept	-0.7793	0.4587
	(0.4345)	(0.1993)

Title and notes

Future update to Stata 17

We will add support for a custom title and notes.

collect title

Specify a custom (common) table title.

Example

```
. collect title "Logistic regression parameterizations"  
. collect preview
```

Logistic regression parameterizations

	log(Odds ratio)	Odds ratio
X_1	1.3222 *	3.7516 *
	(0.5986)	(2.2457)
X_2	-1.0648	0.3448
	(0.5837)	(0.2012)
F_1		
On	2.0491 **	7.7609 **
	(0.3343)	(2.5944)
Intercept	-0.7793	0.4587
	(0.4345)	(0.1993)

Title and notes

collect style title

Controls the appearance of table titles.

Example

```
. collect query title
Table title styles
  Collection: default
  Common title: Logistic regression parameterizations
  Font family:
  Font size:
  Font color:
  Font weight: normal
  Font style: normal
  Font variant: normal
  Font strikeout: normal
  Font underline: none
  SMCL tag:
  LaTeX macro:
Background color:
Foreground color:
Shading pattern:
```

Title and notes

collect notes

Specify table notes.

Example

```
. collect notes "*** p<=0.01, * p<=0.05"  
. collect preview
```

Logistic regression parameterizations

	log(Odds ratio)	Odds ratio
X_1	1.3222 * (0.5986)	3.7516 * (2.2457)
X_2	-1.0648 (0.5837)	0.3448 (0.2012)
F_1 On	2.0491 ** (0.3343)	7.7609 ** (2.5944)
Intercept	-0.7793 (0.4345)	0.4587 (0.1993)

** p<=0.01, * p<=0.05

Title and notes

Example (more notes)

```
. collect notes "Append notes by default."  
. collect notes 0: "Prepend notes by subtle indexing."  
. collect notes 2: "*** p<=0.01, * p<=0.05 -- replace by index too."  
. collect preview
```

Logistic regression parameterizations

	log(Odds ratio)	Odds ratio
X_1	1.3222 * (0.5986)	3.7516 * (2.2457)
X_2	-1.0648 (0.5837)	0.3448 (0.2012)
F_1 On	2.0491 ** (0.3343)	7.7609 ** (2.5944)
Intercept	-0.7793 (0.4345)	0.4587 (0.1993)

```
Prepend notes by subtle indexing.  
** p<=0.01, * p<=0.05 -- replace by index too.  
Append notes by default.
```

Title and notes

collect style notes

Controls the appearance of table notes.

Example

```
. collect query notes
```

```
Table note styles
```

```
Collection: default
```

```
Note 1: Prepend notes by subtle indexing.
```

```
Note 2: ** p<=0.01, * p<=0.05 -- replace by index too.
```

```
Note 3: Append notes by default.
```

```
Font family:
```

```
Font size:
```

```
Font color:
```

```
Font weight: normal
```

```
Font style: normal
```

```
Font variant: normal
```

```
Font strikeout: normal
```

```
Font underline: none
```

```
SMCL tag:
```

```
LaTeX macro:
```

```
Background color:
```

```
Foreground color:
```

```
Shading pattern:
```

Estimation tables

Workflow review

- ▶ **collect get** – consume results into a collection
- ▶ **collect layout** – arrange the results in your table
- ▶ **collect style** – control appearance and behaviors
- ▶ **collect query** – show collection properties
- ▶ **collect label** – manipulate and show labels
- ▶ **collect export** – your table to a document

Estimation tables

Challenges

- ▶ Too many commands?
- ▶ Learn a new language to specify a layout.
- ▶ Some behaviors cannot be coded generically in styles.
 - ▶ Show factor variables without a binder.

Estimation tables

New command: `etable`

Simple syntax for building estimation tables.

Inspired by community contributed table commands.

Intended to replace **`estimates table`**.

Available in a future update to Stata 17.

Estimation tables

etable default behaviors

- ▶ Collect from the current estimation results.
- ▶ Create a collection named **ETable**.
- ▶ Show dependent variable in the column header.
- ▶ Hide equation names.
- ▶ Report coefficients.
- ▶ Report standard errors with parenthesis.
- ▶ Report the number of observations.

Estimation tables

Example (default etable)

```
. quietly logit
```

```
. etable
```

	y1
x1	1.322 (0.599)
x2	-1.065 (0.584)
f1	
1	2.049 (0.334)
_cons	-0.779 (0.434)
Number of observations	200

```
. estimates store m1
```

```
. etable, estimates(m1)  
(same table)
```

Estimation tables

Use option **showstars** to label significant coefficients.

Example

```
. etable, showstars
```

	y1
x1	1.322 *
	(0.599)
x2	-1.065
	(0.584)
f1	
1	2.049 **
	(0.334)
_cons	-0.779
	(0.434)
Number of observations	200

Estimation tables

Example (etable default stars properties)

```
. collect query stars
Stars style
  Collection: ETable
    Type: dimension
    Results: _r_p
    Attach: _r_b
  For tags:
    Rule 1: .01 **
    Rule 2: .05 *
    Rule 3:
    Rule 4:
    Rule 5:
  Show note: off
Name of p-value: "p"
Numeric format: "%9.0g"
Note delimiter: ", "
  Note prefix: ""
  Note suffix: ""
  Note: ""
```

stars() option

Change labels and where to attach them.

Estimation tables

etable replaces its collection and consumes from the current estimation results.

Example

```
. quietly logit, or  
. etable
```

	y1
x1	3.752 (2.246)
x2	0.345 (0.201)
f1	
1	7.761 (2.594)
_cons	0.459 (0.199)
Number of observations	200

Use option **append** to add results to collection **ETable**.

Estimation tables

Build model comparisons quickly.

Example

```
. quietly regress y2 x1 x2 i.f1  
. estimates store m2  
. etable, estimates(m1 m2) showstars
```

	y1	y2
x1	1.322 *	
	(0.599)	
x2	-1.065	
	(0.584)	
f1		
1	2.049 **	
	(0.334)	
_cons	-0.779	
	(0.434)	
x1		0.691
		(0.363)
x2		-0.920 *
		(0.355)
f1		
1		3.079 **
		(0.206)
_cons		-0.879 **
		(0.276)
Number of observations	200	200

Estimation tables

Use option **showeq** to show equations.

Example

```
. etable, estimates(m1 m2) showstars showeq
```

	y1	y2
<hr/>		
y1		
x1	1.322 *	
	(0.599)	
x2	-1.065	
	(0.584)	
f1		
1	2.049 **	
	(0.334)	
_cons	-0.779	
	(0.434)	
y2		
x1		0.691
		(0.363)
x2		-0.920 *
		(0.355)
f1		
1		3.079 **
		(0.206)
_cons		-0.879 **
		(0.276)
Number of observations	200	200

Estimation tables

Use option **replay** to apply edits to collection **ETable**.

Use option **eqrcode ()** to recode equations.

Example

```
. etable, replay eqrcode(y1 = y y2 = y)
```

	y1	y2
<hr/>		
y		
x1	1.322 *	0.691
	(0.599)	(0.363)
x2	-1.065	-0.920 *
	(0.584)	(0.355)
f1		
1	2.049 **	3.079 **
	(0.334)	(0.206)
_cons	-0.779	-0.879 **
	(0.434)	(0.276)
Number of observations	200	200

Estimation tables

Example (hide the common equation)

```
. etable, replay noshoweq
```

	y1	y2
x1	1.322 *	0.691
	(0.599)	(0.363)
x2	-1.065	-0.920 *
	(0.584)	(0.355)
f1		
1	2.049 **	3.079 **
	(0.334)	(0.206)
_cons	-0.779	-0.879 **
	(0.434)	(0.276)
Number of observations	200	200

Estimation tables

Example (change column header to command names)

```
. etable, replay column(command)
```

	logit	regress
x1	1.322 *	0.691
	(0.599)	(0.363)
x2	-1.065	-0.920 *
	(0.584)	(0.355)
f1		
1	2.049 **	3.079 **
	(0.334)	(0.206)
_cons	-0.779	-0.879 **
	(0.434)	(0.276)
Number of observations	200	200

Estimation tables

Example (select your model statistics)

```
. etable, replay mstat (l1) mstat (N)
```

	logit	regress
x1	1.322 * (0.599)	0.691 (0.363)
x2	-1.065 (0.584)	-0.920 * (0.355)
f1		
1	2.049 ** (0.334)	3.079 ** (0.206)
_cons	-0.779 (0.434)	-0.879 ** (0.276)
Log likelihood	-109.82	-354.82
Number of observations	200	200

Estimation tables

Example (show variable and factor value labels)

```
. etable, replay varlabel fvlabel
```

	logit	regress
X_1	1.322 * (0.599)	0.691 (0.363)
X_2	-1.065 (0.584)	-0.920 * (0.355)
F_1 On	2.049 ** (0.334)	3.079 ** (0.206)
Intercept	-0.779 (0.434)	-0.879 ** (0.276)
Log likelihood	-109.82	-354.82
Number of observations	200	200

Estimation tables

Example (add title and note)

```
. etable, replay ///  
>     title(Model comparison, font(, bold)) ///  
>     note("** p<=0.01, * p<=0.05", font(, italic))
```

Model comparison

	logit	regress
X_1	1.322 * (0.599)	0.691 (0.363)
X_2	-1.065 (0.584)	-0.920 * (0.355)
F_1 On	2.049 ** (0.334)	3.079 ** (0.206)
Intercept	-0.779 (0.434)	-0.879 ** (0.276)
Log likelihood	-109.82	-354.82
Number of observations	200	200

** p<=0.01, * p<=0.05

Estimation tables

Save your style for use as a starting point in a future analysis.

Example

```
. collect style save my-et-style, replace  
(style from ETable saved to file my-et-style.stjson)
```

set etable_style

You will be able to set a custom default style for **etable**.

Estimation tables

Rebuild the table using our new style.

Example

```
. collect clear  
. etable, estimates(m1 m2) style(my-et-style)
```

Model comparison

	logit	regress
X_1	1.322 * (0.599)	0.691 (0.363)
X_2	-1.065 (0.584)	-0.920 * (0.355)
F_1 On	2.049 ** (0.334)	3.079 ** (0.206)
Intercept	-0.779 (0.434)	-0.879 ** (0.276)
Log likelihood	-109.82	-354.82
Number of observations	200	200

** $p \leq 0.01$, * $p \leq 0.05$

Estimation tables

Things todo for the Stata 17 update

- ▶ Automatic note for **stars** labels?
- ▶ **etable** support for named scalar expressions?
- ▶ Documentation and dialogs for these new features.