set showbaselevels — Display settings for coefficient tables

Description Syntax Option Remarks and examples Also see

Description

`set showbaselevels` specifies whether to display base levels of factor variables and their interactions in coefficient tables. `set showbaselevels on` specifies that base levels be reported for factor variables and for interactions whose bases cannot be inferred from their component factor variables. `set showbaselevels all` specifies that all base levels of factor variables and interactions be reported.

`set showemptycells` specifies whether to display empty cells in coefficient tables.

`set showomitted` specifies whether to display omitted coefficients in coefficient tables.

`set fvlabel` specifies whether to display factor-variable value labels in coefficient tables. `set fvlabel on`, the default, specifies that the labels be displayed. `set fvlabel off` specifies that the levels of factor variables rather than the labels be displayed.

`set fvwrap` # specifies that long value labels wrap # lines in the coefficient table. The default is `set fvwrap 1`, which means that long value labels will be abbreviated to fit on one line.

`set fvwrapon` specifies whether value labels that wrap will break at word boundaries or break based on available space. `set fvwrapon word`, the default, specifies that value labels break at word boundaries. `set fvwrapon width` specifies that value labels break based on available space.

Syntax

`set showbaselevels` { `on` | `off` | `all` } [, `permanently`]

`set showemptycells` { `on` | `off` } [, `permanently`]

`set showomitted` { `on` | `off` } [, `permanently`]

`set fvlabel` { `on` | `off` } [, `permanently`]

`set fvwrap` # [, `permanently`]

`set fvwrapon` { `word` | `width` } [, `permanently`]

Option

`permanently` specifies that, in addition to making the change right now, the setting be remembered and become the default setting when you invoke Stata.

Remarks and examples

▷ Example 1

We illustrate the first three `set` commands using `cholesterol2.dta`.

```
. use https://www.stata-press.com/data/r19/cholesterol2
(Artificial cholesterol data, empty cells)
. generate x = race
. regress chol race##agegrp x
note: 2.race#2.agegrp identifies no observations in the sample.
note: x omitted because of collinearity.
```

Source	SS	df	MS	Number of obs	=	70
				F(13, 56)	=	13.51
Model	15751.6113	13	1211.66241	Prob > F	=	0.0000
Residual	5022.71559	56	89.6913498	R-squared	=	0.7582
				Adj R-squared	=	0.7021
Total	20774.3269	69	301.077201	Root MSE	=	9.4706

chol	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
race						
White	12.84185	5.989703	2.14	0.036	.8430383	24.84067
Other	-.167627	5.989703	-0.03	0.978	-12.16644	11.83119
agegrp						
20-29	17.24681	5.989703	2.88	0.006	5.247991	29.24562
30-39	31.43847	5.989703	5.25	0.000	19.43966	43.43729
40-59	34.86613	5.989703	5.82	0.000	22.86732	46.86495
60-79	44.43374	5.989703	7.42	0.000	32.43492	56.43256
race#agegrp						
White#20-29	0	(empty)				
White#30-39	-22.83983	8.470719	-2.70	0.009	-39.80872	-5.870939
White#40-59	-14.67558	8.470719	-1.73	0.089	-31.64447	2.293306
White#60-79	-10.51115	8.470719	-1.24	0.220	-27.48004	6.457735
Other#20-29	-6.054425	8.470719	-0.71	0.478	-23.02331	10.91446
Other#30-39	-11.48083	8.470719	-1.36	0.181	-28.44971	5.488063
Other#40-59	-.6796112	8.470719	-0.08	0.936	-17.6485	16.28928
Other#60-79	-1.578052	8.470719	-0.19	0.853	-18.54694	15.39084
x	0	(omitted)				
_cons	175.2309	4.235359	41.37	0.000	166.7464	183.7153

```
. set showemptycells off
. set showomitted off
. set showbaselevels all
```

```
. regress chol race##agegrp x
note: 2.race#2.agegrp identifies no observations in the sample.
note: x omitted because of collinearity.
```

Source	SS	df	MS	Number of obs	=	70
				F(13, 56)	=	13.51
Model	15751.6113	13	1211.66241	Prob > F	=	0.0000
Residual	5022.71559	56	89.6913498	R-squared	=	0.7582
				Adj R-squared	=	0.7021
Total	20774.3269	69	301.077201	Root MSE	=	9.4706

chol	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
race						
Black	0	(base)				
White	12.84185	5.989703	2.14	0.036	.8430383	24.84067
Other	-.167627	5.989703	-0.03	0.978	-12.16644	11.83119
agegrp						
10-19	0	(base)				
20-29	17.24681	5.989703	2.88	0.006	5.247991	29.24562
30-39	31.43847	5.989703	5.25	0.000	19.43966	43.43729
40-59	34.86613	5.989703	5.82	0.000	22.86732	46.86495
60-79	44.43374	5.989703	7.42	0.000	32.43492	56.43256
race#agegrp						
Black#10-19	0	(base)				
Black#20-29	0	(base)				
Black#30-39	0	(base)				
Black#40-59	0	(base)				
Black#60-79	0	(base)				
White#10-19	0	(base)				
White#30-39	-22.83983	8.470719	-2.70	0.009	-39.80872	-5.870939
White#40-59	-14.67558	8.470719	-1.73	0.089	-31.64447	2.293306
White#60-79	-10.51115	8.470719	-1.24	0.220	-27.48004	6.457735
Other#10-19	0	(base)				
Other#20-29	-6.054425	8.470719	-0.71	0.478	-23.02331	10.91446
Other#30-39	-11.48083	8.470719	-1.36	0.181	-28.44971	5.488063
Other#40-59	-.6796112	8.470719	-0.08	0.936	-17.6485	16.28928
Other#60-79	-1.578052	8.470719	-0.19	0.853	-18.54694	15.39084
_cons	175.2309	4.235359	41.37	0.000	166.7464	183.7153

To restore the display of empty cells, omitted predictors, and baselevels to their command-specific default behavior, type

```
. set showemptycells
. set showomitted
. set showbaselevels
. regress chol race##agegrp x
note: 2.race#2.agegrp identifies no observations in the sample.
note: x omitted because of collinearity.
```

Source	SS	df	MS	Number of obs	=	70
				F(13, 56)	=	13.51
Model	15751.6113	13	1211.66241	Prob > F	=	0.0000
Residual	5022.71559	56	89.6913498	R-squared	=	0.7582
				Adj R-squared	=	0.7021
Total	20774.3269	69	301.077201	Root MSE	=	9.4706

chol	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
race						
White	12.84185	5.989703	2.14	0.036	.8430383	24.84067
Other	-.167627	5.989703	-0.03	0.978	-12.16644	11.83119
agegrp						
20-29	17.24681	5.989703	2.88	0.006	5.247991	29.24562
30-39	31.43847	5.989703	5.25	0.000	19.43966	43.43729
40-59	34.86613	5.989703	5.82	0.000	22.86732	46.86495
60-79	44.43374	5.989703	7.42	0.000	32.43492	56.43256
race#agegrp						
White#20-29	0	(empty)				
White#30-39	-22.83983	8.470719	-2.70	0.009	-39.80872	-5.870939
White#40-59	-14.67558	8.470719	-1.73	0.089	-31.64447	2.293306
White#60-79	-10.51115	8.470719	-1.24	0.220	-27.48004	6.457735
Other#20-29	-6.054425	8.470719	-0.71	0.478	-23.02331	10.91446
Other#30-39	-11.48083	8.470719	-1.36	0.181	-28.44971	5.488063
Other#40-59	-.6796112	8.470719	-0.08	0.936	-17.6485	16.28928
Other#60-79	-1.578052	8.470719	-0.19	0.853	-18.54694	15.39084
x	0	(omitted)				
_cons	175.2309	4.235359	41.37	0.000	166.7464	183.7153

Example 2

We illustrate the last three `set` commands using `jaw.dta`.

```
. use https://www.stata-press.com/data/r19/jaw, clear
(Table 4.6. Two-way unbalanced data for fractures of the jaw, Rencher (1998))
. mvreg y1 y2 y3 = i.fracture
```

Equation	Obs	Parms	RMSE	"R-sq"	F	P>F
y1	27	3	10.42366	0.2966	5.060804	0.0147
y2	27	3	6.325398	0.1341	1.858342	0.1777
y3	27	3	5.976973	0.1024	1.368879	0.2735

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
y1						
fracture						
Two compou..	-8.833333	4.957441	-1.78	0.087	-19.06499	1.398322
One simple..	6	5.394759	1.11	0.277	-5.134235	17.13423
_cons	37	3.939775	9.39	0.000	28.8687	45.1313
y2						
fracture						
Two compou..	-5.761905	3.008327	-1.92	0.067	-11.97079	.446977
One simple..	-3.053571	3.273705	-0.93	0.360	-9.810166	3.703023
_cons	38.42857	2.390776	16.07	0.000	33.49425	43.36289
y3						
fracture						
Two compou..	4.261905	2.842618	1.50	0.147	-1.60497	10.12878
One simple..	.9285714	3.093377	0.30	0.767	-5.455846	7.312989
_cons	58.57143	2.259083	25.93	0.000	53.90891	63.23395

```
. set fvwrap 2
. mvreg y1 y2 y3 = i.fracture
```

Equation	Obs	Parms	RMSE	"R-sq"	F	P>F
y1	27	3	10.42366	0.2966	5.060804	0.0147
y2	27	3	6.325398	0.1341	1.858342	0.1777
y3	27	3	5.976973	0.1024	1.368879	0.2735

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
y1						
fracture						
Two compound fractures	-8.833333	4.957441	-1.78	0.087	-19.06499	1.398322
One simple fracture	6	5.394759	1.11	0.277	-5.134235	17.13423
_cons	37	3.939775	9.39	0.000	28.8687	45.1313
y2						
fracture						
Two compound fractures	-5.761905	3.008327	-1.92	0.067	-11.97079	.446977
One simple fracture	-3.053571	3.273705	-0.93	0.360	-9.810166	3.703023
_cons	38.42857	2.390776	16.07	0.000	33.49425	43.36289
y3						
fracture						
Two compound fractures	4.261905	2.842618	1.50	0.147	-1.60497	10.12878
One simple fracture	.9285714	3.093377	0.30	0.767	-5.455846	7.312989
_cons	58.57143	2.259083	25.93	0.000	53.90891	63.23395

```
. set fvwrapon width
. mvreg y1 y2 y3 = i.fracture
```

Equation	Obs	Parms	RMSE	"R-sq"	F	P>F
y1	27	3	10.42366	0.2966	5.060804	0.0147
y2	27	3	6.325398	0.1341	1.858342	0.1777
y3	27	3	5.976973	0.1024	1.368879	0.2735

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
y1						
fracture						
Two compound						
fractures	-8.833333	4.957441	-1.78	0.087	-19.06499	1.398322
One simple f						
racture	6	5.394759	1.11	0.277	-5.134235	17.13423
_cons	37	3.939775	9.39	0.000	28.8687	45.1313
y2						
fracture						
Two compound						
fractures	-5.761905	3.008327	-1.92	0.067	-11.97079	.446977
One simple f						
racture	-3.053571	3.273705	-0.93	0.360	-9.810166	3.703023
_cons	38.42857	2.390776	16.07	0.000	33.49425	43.36289
y3						
fracture						
Two compound						
fractures	4.261905	2.842618	1.50	0.147	-1.60497	10.12878
One simple f						
racture	.9285714	3.093377	0.30	0.767	-5.455846	7.312989
_cons	58.57143	2.259083	25.93	0.000	53.90891	63.23395

```
. set fvlabel off
. mvreg y1 y2 y3 = i.fracture
```

Equation	Obs	Parms	RMSE	"R-sq"	F	P>F
y1	27	3	10.42366	0.2966	5.060804	0.0147
y2	27	3	6.325398	0.1341	1.858342	0.1777
y3	27	3	5.976973	0.1024	1.368879	0.2735

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
y1						
fracture						
2	-8.833333	4.957441	-1.78	0.087	-19.06499	1.398322
3	6	5.394759	1.11	0.277	-5.134235	17.13423
_cons	37	3.939775	9.39	0.000	28.8687	45.1313
y2						
fracture						
2	-5.761905	3.008327	-1.92	0.067	-11.97079	.446977
3	-3.053571	3.273705	-0.93	0.360	-9.810166	3.703023
_cons	38.42857	2.390776	16.07	0.000	33.49425	43.36289
y3						
fracture						
2	4.261905	2.842618	1.50	0.147	-1.60497	10.12878
3	.9285714	3.093377	0.30	0.767	-5.455846	7.312989
_cons	58.57143	2.259083	25.93	0.000	53.90891	63.23395

To restore these last three `set` commands to their defaults, type

```
. set fvlabel on
. set fvwrap 1
. set fvwrapon word
. mvreg y1 y2 y3 = i.fracture
```

Equation	Obs	Parms	RMSE	"R-sq"	F	P>F
y1	27	3	10.42366	0.2966	5.060804	0.0147
y2	27	3	6.325398	0.1341	1.858342	0.1777
y3	27	3	5.976973	0.1024	1.368879	0.2735

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
y1						
fracture						
Two compou..	-8.833333	4.957441	-1.78	0.087	-19.06499	1.398322
One simple..	6	5.394759	1.11	0.277	-5.134235	17.13423
_cons	37	3.939775	9.39	0.000	28.8687	45.1313
y2						
fracture						
Two compou..	-5.761905	3.008327	-1.92	0.067	-11.97079	.446977
One simple..	-3.053571	3.273705	-0.93	0.360	-9.810166	3.703023
_cons	38.42857	2.390776	16.07	0.000	33.49425	43.36289
y3						
fracture						
Two compou..	4.261905	2.842618	1.50	0.147	-1.60497	10.12878
One simple..	.9285714	3.093377	0.30	0.767	-5.455846	7.312989
_cons	58.57143	2.259083	25.93	0.000	53.90891	63.23395

Also see

[R] **set** — Overview of system parameters

[R] **query** — Display system parameters