

Title

intro — Introduction to survey data manual

Description

This entry describes this manual and what has changed since Stata 9. See the next entry, [SVY] **survey**, for an introduction to Stata's survey commands.

Remarks

This manual documents the survey data commands and is referred to as [SVY] in references.

After this entry, [SVY] **survey** provides an overview of the survey commands. This manual is arranged alphabetically. If you are new to Stata's survey data commands, we recommend that you read the following sections first:

[SVY] survey	Introduction to survey commands
[SVY] svyset	Declare survey design for dataset
[SVY] svydescribe	Describe survey data
[SVY] svy estimation	Estimation commands for survey data
[SVY] svy postestimation	Postestimation tools for svy

Stata is continually being updated, and Stata users are continually writing new commands. To find out about the latest survey data features, type **search survey** after installing the latest official updates; see [R] **update**.

What's new

This section is intended for previous Stata users. If you are new to Stata, you may as well skip it.

1. Stata's **svy:** prefix now works with 48 estimators, 27 more than previously. Most importantly, **svy:** now works with Cox regression (**stcox**) and parametric survival models (**streg**). Other commands with which **svy:** now works include

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<code>biprobit</code>	bivariate probit regression
<code>clogit</code>	conditional (fixed effects) logistic regression
<code>cloglog</code>	complementary log-log regression
<code>cnreg</code>	censored-normal regression
<code>cnsreg</code>	constrained linear regression
<code>glm</code>	generalized linear models
<code>hetprobit</code>	heteroskedastic probit model
<code>ivregress</code>	instrumental-variables regression
<code>ivprobit</code>	probit model with endogenous regressors
<code>ivtobit</code>	tobit model with endogenous regressors
<code>mprobit</code>	multinomial probit regression
<code>nl</code>	nonlinear least-squares estimation
<code>scobit</code>	skewed logistic regression
<code>slogit</code>	stereotype logistic regression
<code>stcox</code>	Cox proportional hazards regression
<code>streg</code>	parametric survival models (5 estimators)
<code>tobit</code>	tobit regression
<code>treatreg</code>	treatment-effects model
<code>truncreg</code>	truncated regression
<code>zinb</code>	zero-inflated negative binomial regression
<code>zip</code>	zero-inflated Poisson regression
<code>ztnb</code>	zero-truncated negative binomial regression
<code>ztp</code>	zero-truncated Poisson regression

See [SVY] **svy estimation**.

2. `svy:` prefix now calculates the linearized variance estimator 2 to 100 times faster, the larger multiplier applying to large datasets with many sampling units; see [SVY] **svy**.
3. `svy: mean`, `svy: proportion`, `svy: ratio`, and `svy: total` are considerably faster when the `over()` option identifies many subpopulations.
4. `svy:`, `svy: mean`, `svy: proportion`, `svy: ratio`, and `svy: total` now take advantage of multiple processors in Stata/MP, making them even faster in that case.
5. Concerning `svyset`,
 - a. New option `singleunit(method)` provides three methods for handling strata with one sampling unit. If not specified, the default in such cases is to report standard errors as missing value.
 - b. New option `fay(#)` specifies that Fay's adjustment be made to the BRR weights.

See [SVY] **svyset**.

6. `estat` has two new subcommands for use with `svy` estimation results:
 - a. `estat sd`, used after `svy: mean`, reports subpopulation standard deviations.
 - b. `estat strata` reports the number of singleton and certainty strata within each sampling stage.

See [SVY] **estat**.

7. `svy: tabulate` now allows string variables. See [SVY] **svy: tabulate oneway** and [SVY] **svy: tabulate twoway**.

8. Existing command `svydes` has been renamed `svydescribe`; `svydes` continues to work. `svydescribe` now puts missing values in the `generate(newvar)` variable for observations outside the specified estimation sample. Previously, the variable would contain a zero for observations outside the estimation sample. See [SVY] **svydescribe**.
9. This manual has been reorganized. Stata's survey estimation commands are now documented in [SVY] **svy estimation**. All model-specific information is now documented in the manual entry for the corresponding estimation command.

For a list of all the new features in Stata 10, see [U] **1.3 What's new**.

Also See

[U] **1.3 What's new**

[R] **intro** — Introduction to base reference manual