

estimates store — Saving and restoring estimates in memory and on disk

[Description](#)[Remarks and examples](#)[Also see](#)

Description

`estimates store name` stores the current (active) estimation results under the name *name*.

`estimates restore name` loads the results stored under *name* into the current (active) estimation results.

`estimates save filename` saves the current (active) estimation results in *filename*.

`estimates use filename` loads the results saved in *filename* into the current (active) estimation results.

The `estimates` commands after the lasso commands work the same as they do after other estimation commands. There is only one difference. `estimates save filename` saves two files, not just one. *filename.ster* and *filename.stxer* are saved. See [\[R\] estimates](#) for details.

Remarks and examples

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Remarks are presented under the following headings:

[Overview](#)

[Postestimation commands that work only with current results](#)

[Postestimation commands that work with current results](#)

[lassoselect creates new estimation results](#)

Overview

If you are not familiar with `estimates store` and `restore`, see [\[R\] estimates store](#). You will likely want to use `estimates store` to compare results from multiple lassos.

If you are not familiar with `estimates save` and `use`, see [\[R\] estimates save](#). Lassos fit with many potential variables can take considerable time to run. `xpo` commands, especially when the `resample` option is specified, can also have lengthy computation times. You will likely want to save your estimation results to a file.

When you use `estimates save`, you will see

```
. estimates save mygreatlasso
file mygreatlasso.ster saved
extended file mygreatlasso.stxer saved
```

Two files are saved. Keep these files together in the same folder (directory). `estimates use` needs both of them to load the results back into the current estimation results.

Postestimation commands that work only with current results

The following postestimation commands work only with current (active) estimation results: `coefpath`, `cvplot`, `lassoknots`, and `lassoselect`.

The following postestimation commands work with current or stored estimation results: `lassocoeff`, `lassogof`, and `lassoinfo`.

For the commands that work only with current results, this means that if you

```
. estimates store mylasso1
```

and then run another estimation command, you must

```
. estimates restore lasso1
```

before you can use `coefpath`, `cvplot`, `lassoknots`, or `lassoselect` again.

Postestimation commands that work with current results

`lassocoeff` and `lassogof` are intended for use with multiple estimation results. You will often be typing commands such as

```
. lassgof mylasso1 mylasso2 mylasso3, over(sample)
```

where `mylasso1`, `mylasso2`, and `mylasso3` are names of stored estimation results. See [LASSO] [lassogof](#) for examples.

`lassocoeff` has a more complex syntax because it will work with `lasso`, `sqrtlasso`, and `elasticnet`, and also with the `ds`, `po`, and `xpo` commands or a mixture of them. You can type something like

```
. lassocoef mylasso1 (mysdregress, for(y)) (mysdregress, for(x))
```

where `mylasso1` and `mysdregress` are names of stored estimation results, with `mylasso1` a `lasso` result and `mysdregress` a `dsregress` result. See [LASSO] [lassocoeff](#) for examples. `lassoinfo` is designed to tell you the available names (typically variable names) that can be specified with `for()`.

lassoselect creates new estimation results

When you run one of the lasso commands, such as

```
. lasso ...
```

and then use `lassoselect` to change the selected λ^* like so

```
. lassoselect lambda = 0.245
```

`lassoselect` creates a new estimation result and makes it current. It is almost the same as running another estimation command and wiping out the old estimation results. We say “almost” because it is easy to change λ^* back to what it was originally.

A better workflow when using `lassoselect` is the following:

```
. lasso ...  
. estimates store mylasso1  
. lassoselect lambda = 0.245  
. estimates store mylasso1sel  
. lassogof mylasso1 mylasso1sel, over(sample)
```

See [LASSO] [lassoselect](#).

Also see

[R] [estimates save](#) — Save and use estimation results

[R] [estimates store](#) — Store and restore estimation results