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Description

`ado update` checks for available updates to community-contributed packages. To update packages, use `ado update`, `update`. By default, only packages in the PLUS directory are checked.

Quick start

List available updates for community-contributed packages

```
ado update
```

Install updates for community-contributed packages

```
ado update, update
```

Install updates from Statistical Software Components (SSC) Archive only

```
ado update, update ssconly
```

Syntax

```
ado update [pkglist] [, options]
```

<i>options</i>	Description
<code>update</code>	perform update; default is to list packages that have updates, but not to update them
<code>all</code>	include packages that might have updates; default is to list or update only packages that are known to have updates
<code>ssconly</code>	check only packages obtained from SSC Archive; default is to check all installed packages
<code>dir(<i>dir</i>)</code>	check packages installed in <i>dir</i> ; default is to check those installed in PLUS
<code>verbose</code>	provide output to assist in debugging network problems

Options

`update` specifies that packages with updates be updated. The default is simply to list the packages that could be updated without actually performing the update.

The first time you `ado update`, do not specify this option. Once you see `ado update` work, you will be more comfortable with it. Then type

```
. ado update, update
```

The packages that can be updated will be listed and updated.

`all` is rarely specified. Sometimes, `ado update` cannot determine whether a package you previously installed has been updated. `ado update` can determine that the package is still available over the web but is unsure whether the package has changed. Usually, the package has not changed, but if you want to be certain that you are using the latest version, reinstall from the source.

Specifying `all` does this. Typing

```
. ado update, all
```

adds such packages to the displayed list as needing updating but does not update them. Typing

```
. ado update, update all
```

lists such packages and updates them.

`ssconly` specifies that `ado update` check only packages obtained from the Statistical Software Components (SSC) Archive at Boston College, which is provided at <http://repec.org>. See [R] `ssc` for more information on the SSC Archive.

`dir` (*dir*) specifies which installed packages be checked. The default is `dir(PLUS)`, and that is probably correct. If you are responsible for maintaining a large system, however, you may have previously installed packages in `dir(SITE)`, where they are shared across users. See [P] `sysdir` for an explanation of these directory codewords. You may also specify an actual directory name, such as `C:\mydir`.

`verbose` is specified when you suspect network problems. It provides more detailed output that may help you diagnose the problem.

Remarks and examples

Community-contributed additions to Stata are called packages and can add remarkable abilities to Stata. Community-contributed packages are updated by their developers, just as official Stata software is updated by StataCorp.

Do not confuse `ado update` with `update`. Use `ado update` to update community-contributed files. Use `update` to update the components (including `ado`-files) of the official Stata software. To use either command, you must be connected to the internet.

Although Stata checks for updates automatically and can even be set to update automatically in Stata for Windows and Stata for Mac, you must remember to type `ado update`. Doing this regularly can help prevent errors that occur when accidentally running older versions of community-contributed packages.

Remarks are presented under the following headings:

Using ado update
Notes for developers

Using ado update

The first time you try `ado update`, type

```
. ado update
```

`ado update` without the `update` option produces a report but does not update any files. The first time you run `ado update`, you may see messages such as

```
. ado update
note: ado update updates community-contributed files; type update to check for
      updates to official Stata.
```

```
Checking status of installed packages...
```

```
[1] sjlatex at http://svn.stata.com/svn/press/press/production:
     installed package is up to date
```

(output omitted)

Having the same packages installed multiple times can lead to confusion; `ado update` cleans that up.

To update all of your community-contributed packages that need updating, type

```
. ado update, update
```

You can also update a subset of your packages. You can specify one or many packages after the `ado update` command. You can even use wildcards such as `st*` to mean all packages that start with `st` or `st*8` to mean all packages that start with `st` and end with `8`. For example, if the report indicated package `st0008` had an update available, type the following to update that one package:

```
. ado update st0008, update
```

Notes for developers

`ado update` reports whether an installed package is up to date by comparing its distribution date with that of the package available over the web.

If you are distributing software, include the line

```
d Distribution-Date: date
```

somewhere in your `.pkg` file. The capitalization of `Distribution-Date` does not matter, but include the hyphen and the colon as shown. Code the date in either of two formats:

all numeric:	<code>yyyymmdd</code> , for example, 20240701
Stata standard:	<code>ddMONyyyy</code> , for example, 01jul2024

Stored results

ado update stores the following in `r()`:

Macros

`r(pkglist)` a space-separated list of package names that need updating (`update` not specified) or that were updated (`update` specified)

Also see

[R] [net](#) — Install and manage community-contributed additions from the internet

[R] [search](#) — Search Stata documentation and other resources

[R] [ssc](#) — Install and uninstall packages from SSC

[R] [update](#) — Check for official updates

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