

[Description](#)[Options for unzipfile](#)[Quick start](#)[Remarks and examples](#)[Syntax](#)[Stored results](#)[Options for zipfile](#)

Description

`zipfile` compresses files and directories into a zip file that is compatible with Zip64, WinZip, PKZIP 2.04g, and other applications that use the zip archive format.

`unzipfile` extracts files and directories from a file in zip archive format into the current directory. `unzipfile` can open zip files created by Zip64, WinZip, PKZIP 2.04g, and other applications that use the zip archive format.

Quick start

Compress `mydata.dta` and save as `myproject.zip`

```
zipfile mydata.dta, saving(myproject)
```

Same as above, but also compress `mylogfile.do` and `mylog.smcl`

```
zipfile mydata.dta mylogfile.do mylog.smcl, saving(myproject)
```

Replace `myproject.zip` if it already exists

```
zipfile mydata.dta mylogfile.do mylog.smcl, ///  
saving(myproject, replace)
```

Compress all files in the `myproject` subdirectory of the current directory

```
zipfile myproject/*, saving(myproject)
```

Extract files and directories from `myzip.zip` to the current directory

```
unzipfile myzip
```

Same as above, but replace any file or directory in the current directory that has the same name as a file or directory in the zip file

```
unzipfile myzip, replace
```

Syntax

Add files or directories to a zip file

```
zipfile file | directory [file | directory] ..., saving(zipfilename[ , replace])
  [complevel(#)]
```

Extract files or directories from a zip file

```
unzipfile zipfilename [ , replace
  ifilter(includefilter) efilter(excludefilter)]
```

Note: Double quotes must be used to enclose *file* and *directory* if the name or path contains blanks. *file* and *directory* may also contain the ? and * wildcard characters.

Options for zipfile

saving(zipfilename[, replace]) specifies the filename to be created or replaced. If *zipfilename* is specified without an extension, .zip will be assumed. saving() is required.

complevel(#) sets the compression level for the zipfile. # is an integer from 0, meaning no compression, to 9, meaning full compression. The default is complevel(6).

Options for unzipfile

replace overwrites any file or directory in the current directory with the files or directories in the zip file that have the same name.

ifilter(*includefilter*) limits the extracted files by including only those files that match the specified pattern. Pattern matching is based on java.util.regex.Pattern.

efilter(*excludefilter*) limits the extracted files by excluding all files that match the specified pattern. Pattern matching is based on java.util.regex.Pattern.

stata.com

Remarks and examples

▷ Example 1: Creating a zip file

Suppose that we would like to zip all the .dta files in the current directory into the file myfiles.zip. We would type

```
. zipfile *.dta, saving(myfiles)
```

But we notice that we did not want the files in the current directory; instead, we wanted the files in the dta, abc, and eps subdirectories. We can easily zip all the .dta files from all three-character subdirectories of the current directory and overwrite the file myfiles.zip if it exists by typing

```
. zipfile ???/*.dta, saving(myfiles, replace)
```

▷ Example 2: Unzipping a zip file

Say, for example, we send `myfiles.zip` to a colleague, who now wants to unzip the file in the current directory, overwriting any files or directories that have the same name as the files or directories in the zip file. The colleague should type

```
. unzipfile myfiles, replace
```



Stored results

`zipfile` stores the following in `r()`:

Scalars

<code>r(archived)</code>	number of files compressed
<code>r(skipped)</code>	number of files skipped
<code>r(total)</code>	number of files processed
<code>r(compressed_size)</code>	size of compressed file
<code>r(processed_size)</code>	combined size of all processed files
<code>r(compression_ratio)</code>	ratio of compressed size to uncompressed size

`unzipfile` stores the following in `r()`:

Scalars

<code>r(extracted)</code>	number of files extracted
<code>r(skipped)</code>	number of files skipped
<code>r(total)</code>	number of files contained in zip file

Stata, Stata Press, and Mata are registered trademarks of StataCorp LLC. Stata and Stata Press are registered trademarks with the World Intellectual Property Organization of the United Nations. StataNow and NetCourseNow are trademarks of StataCorp LLC. Other brand and product names are registered trademarks or trademarks of their respective companies. Copyright © 1985–2023 StataCorp LLC, College Station, TX, USA. All rights reserved.

For suggested citations, see the FAQ on [citing Stata documentation](#).

