

# Package ‘noweb’

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**Title** The 'noweb' System for R

**Maintainer** Terry Therneau <terry.therneau@mayo.edu>

**Priority** optional

**Version** 1.1-4

**Author** Terry Therneau

**Description** The noweb system for source code, implemented in R.

**License** LGPL-2

**VignetteBuilder** noweb

**NeedsCompilation** no

**LazyData** true

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notangle	<i>Extract code from a noweb object</i>
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### Description

Extract a named bit of code from the noweb source of R functions

### Usage

```
notangle(file, target = "*", out, syntax = nowebSyntax, ...)
```

**Arguments**

file	an input file containing noweb code, or alternately an object of class noweb as created by the nwread function.
target	the target code chunk to extract. The parent .Rnw file will contain <<chunk-name>> directives. A standard approach is to use * as the name of a chunk that will extract all the code fragments.
out	a file name on which to write the result. By default this will be the name of the target with ".R" added, or if the target is "*" it will be the name of the input file with it's final suffix changed to ".R". A value of out=NULL can be used to suppress file creation.
syntax	defines the syntax to detect code chunks. This would rarely if ever be changed by a user.
...	extra arguments; unused. (Compatibility with Sweave).

**Value**

A character vector containing the code, with the invisible attribute set to prevent automatic printing.

**Author(s)**

Terry Therneau

**References**

N Ramsay. Literate programming simplified. IEEE Software 11:97-105, 1994.

**See Also**

[noweave](#)

**Examples**

```
## Not run:
# Extract the nwread function
notangle("noweb.Rnw", "nwread")

## End(Not run)
```

---

noweave

*Extract documentation from a noweb object*

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**Description**

Write a TeX file from a noweb source file.

**Usage**

```
noweave(file, out, indent=1, syntax=nowebSyntax, ...)
```

**Arguments**

file	an input file containing noweb code, or alternately an object of class noweb as created by the nwread function.
out	a file name on which to write the result. By default this will be the name of the input file with it's final suffix changed to ".tex".
indent	the amount to indent code chunks
syntax	defines the syntax to detect code chunks. This would rarely if ever be changed by a user.
...	extra arguments; unused. (Compatibility with Sweave).

**Details**

R code written using noweb is a mixture of Latex documentation and chunks of R code. The noweave command formats these into a TeX document which is designed to explain the code to a human. The notangle command writes out R files for the computer's use.

**Author(s)**

Terry Therneau

**See Also**

[notangle](#)

**Examples**

```
## Not run:  
# Create the TeX file of documentation for the noweb library  
noweave("noweb.Rnw")  
## End(Not run)
```

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noweb.sty

*Style file for noweb documents*

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**Description**

Style file for noweb documents

**Usage**

```
noweb.sty
```

**Format**

vector of character strings

**Details**

Latex files created by the `noweave` command will contain the line `usepackage{noweb}`, which in turn will try to load the file `noweb.sty`. A copy of this file needs to be either in the local directory or on the search path used by Latex.

This data set is a copy of the file; create a disk copy for Latex by using `write(noweb.sty, file="noweb.sty")`.

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