

# Package ‘softbib’

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**Type** Package

**Title** Software Bibliographies for R Projects

**Version** 0.0.2

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**Description** Detect libraries used in a project and automatically create software bibliographies in 'PDF', 'Word', 'Rmarkdown', and 'BibTeX' formats.

**URL** <https://github.com/vincentarelbundock/softbib>

**BugReports** <https://github.com/vincentarelbundock/softbib/issues>

**Depends** R (>= 3.5.0)

**Imports** checkmate, renv, rmarkdown, bibtex

**License** GPL (>= 3)

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**NeedsCompilation** no

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**Repository** CRAN

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`softbib`*Software Bibliographies*

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## Description

This function detects all the R packages used in a project folder and automatically creates software bibliographies in PDF, Word, Rmarkdown and BibTeX formats.

## Usage

```
softbib(  
  output = c("softbib.pdf", "softbib.docx", "softbib.bib", "softbib.Rmd"),  
  output_dir = getwd(),  
  include = NULL,  
  exclude = NULL,  
  style = NULL  
)
```

## Arguments

<code>output</code>	vector of file paths or NULL. Acceptable file name extensions: .bib, .Rmd, .docx, .pdf. NULL returns a vector of BibTeX cite keys.
<code>output_dir</code>	path of the directory where files should be saved.
<code>include</code>	NULL or character vector. <ul style="list-style-type: none"><li>• NULL: the working directory is crawled to identify R packages used in the project, and all packages are included in the software bibliography.</li><li>• Character vector: the names of packages to include in the bibliography.</li></ul>
<code>exclude</code>	character vector of package names to exclude from the bibliography.
<code>style</code>	Path to a Citation Style Language file (with .csl extension) ' Zotero Repository: <a href="https://www.zotero.org/styles">https://www.zotero.org/styles</a>

## Value

Writes bibliography to file and returns a character vector of citation keys.

## Examples

```
if (interactive()) {  
  
  # Save current path  
  oldpath <- getwd()  
  
  # Navigate to a project folder, crawl the working directory to get a list of `R`  
  # packages, and create bibliographies  
  library(softbib)  
  setwd("~/path/to/my/R/project/")  
}
```

```
softbib()

# Exclude some packages from the bibliography
softbib(exclude = c("base", "dplyr"))

# Specify the list of packages to include manually
softbib(include = c("countrycode", "modelsummary", "marginaleffects"))

# Download a Citation Style Language file from the Zotero archive and print a
# bibliography in the style of the American Political Science Review
download.file(
  "https://www.zotero.org/styles/american-political-science-review",
  destfile = "apsr.csl")
softbib(style = "apsr.csl")

# Return to old path
setwd(oldpath)
} # end if(interactive()){}
```

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