

# Package: btabler (via r-universe)

May 22, 2026

**Title** Nice Formatting For LaTeX Tables

**Version** 0.0.4

**Description** There are a number of packages for creating LaTeX tables from R, but they lack feature like merging cells. `btabler` provides a function to do just that.

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**Encoding** UTF-8

**URL** <https://github.com/dcr-unibe-ch/btabler>,  
<https://dcr-unibe-ch.github.io/btabler/>

**BugReports** <https://github.com/dcr-unibe-ch/btabler/issues>

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.1.1

**Suggests** knitr, markdown, rmarkdown, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Depends** xtable

**VignetteBuilder** knitr

**Imports** usethis

**Config/pak/sysreqs** cmake git make libgit2-dev libuv1-dev libssl-dev libx11-dev

**Repository** <https://dcr-unibe-ch.r-universe.dev>

**Date/Publication** 2026-03-23 16:37:21 UTC

**RemoteUrl** <https://github.com/dcr-unibe-ch/btabler>

**RemoteRef** HEAD

**RemoteSha** 2499b647a8081fce083dde91275b11f2beb53ae1

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|        |               |
|--------|---------------|
| btable | <i>btable</i> |
|--------|---------------|

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### Description

btable is a wrapper for xtable and produces tables in latex format.

### Usage

```
btable(
  dat,
  nhead,
  nfoot,
  caption,
  label = NULL,
  alignp = NA,
  aligntot = NA,
  alignh1 = "l",
  nnewline = 0,
  indent = 1,
  hlines = NA,
  fonts1 = 8,
  fonts2 = 12,
  rulelength = NULL,
  head_it = c(2),
  head_bf = NA,
  foot_it = NULL,
  foot_bf = NA,
  tab.env = "long",
  table.placement = "ht",
  middle_sep = NA,
  aggregate = TRUE,
  rephead = TRUE,
  mergerow = NA,
  sfile = "",
  print = TRUE,
  comment = FALSE,
  include.colnames = FALSE,
  ...
)
```

### Arguments

|       |                       |
|-------|-----------------------|
| dat   | dataframe             |
| nhead | number of header rows |
| nfoot | number of footer rows |

|                  |   |
|------------------|---|
| caption          | caption of table  |
| label            | label of table for referncing in latex  |
| alignp           | optional width of first column, to be entered with unit, e.g. "2cm"   |
| aligntot         | alignment of all columns, as string using latex syntax, e.g. "lccc"   |
| alignh1          | alignment of header of the first column (all other headers are centered)  |
| nnewline         | if given, a line break will be introduced for the first column before nnewline letters at a space (if possible) |
| indent           | indent of line break  |
| hlines           | additional horizontal lines after specified rows  |
| fonts1           | font size of text, 8 by default   |
| fonts2           | font size of row, 12 by default   |
| rulelength       | optional width of footer  |
| head_it          | number of the header rows to be shown in italic, NA indicates none  |
| head_bf          | number of the header rows to be shown in bold, NA indicates none  |
| foot_it          | number of the footer rows to be shown in italic, NA indicates none  |
| foot_bf          | number of the footer rows to be shown in bold, NA indicates none  |
| tab.env          | tabular environment, "long" or "float", use float to suppress breaking across pages                             |
| table.placement  | table placement if tab.env==float, contain only elements of "h","t","b","p","!", "H", default value is "ht".    |
| middle_sep       | empty_column in table   |
| aggregate        | aggregation of header names TRUE/FALSE  |
| rephead          | repeating header after page break   |
| mergerow         | merge indicated row, show only first entry  |
| sfile            | sanitizing file for latex, dataframe with two columns, pattern and replacement                                  |
| print            | logical, indicates whether table should be printed, TRUE by default   |
| comment          | logical, indicates whether xtable should print it's comment, FALSE by default                                   |
| include.colnames | logical, indicated whether the columns names are printed, FALSE by default.                                     |
| ...              | further arguments passed to print.xtable()  |

### Details

Required arguments are a data.frame with the table (dat), the number of header and footer lines (nhead, nfoot) and a caption for the table.

### Value

table in latex format

**Examples**

```

df<-data.frame(name=c("", "Row 1", "Row2"),out_t=c("Total", "t1", "t1"),
  out_1=c("Group 1", "g11", "g12"),out_2=c("Group 2", "g21", "g22"))
btable(df,nhead=1,nfoot=0,caption="Table1")
btable(df,nhead=1,nfoot=0,caption="Table1",aligntot="l1l1l")

#two header lines
df<-data.frame(name=c("", "", "Row 1", "Row2"),out_t=c("Total", "mean (sd)", "t1", "t1"),
  out_1=c("Group 1", "mean (sd)", "g11", "g12"),out_2=c("Group 2", "mean (sd)", "g21", "g22"))
btable(df,nhead=2,nfoot=0,caption="Table1")
btable(df,nhead=2,nfoot=0,caption="Table1",head_it=NA)
btable(df,nhead=2,nfoot=0,caption="Table1",head_it=NA,aggregate=FALSE)

#footer
df<-data.frame(name=c("", "Row 1", "Row2", "*Footer"),out_t=c("Total", "t1", "t1", ""),
  out_1=c("Group 1", "g11", "g12", ""),out_2=c("Group 2", "g21", "g22", ""))
btable(df,nhead=1,nfoot=1,caption="Table1")

#floating table, no page break within table
df<-data.frame(name=c("", "Row 1", "Row2"),out_t=c("Total", "t1", "t1"),
  out_1=c("Group 1", "g11", "g12"),out_2=c("Group 2", "g21", "g22"))
btable(df,nhead=1,nfoot=1,caption="Table1",tab.env="float",table.placement="H")

#save table and print later
df<-data.frame(name=c("", "Row 1", "Row2"),out_t=c("Total", "t1", "t1"),
  out_1=c("Group 1", "g11", "g12"),out_2=c("Group 2", "g21", "g22"))
saved_table<-btable(df,nhead=1,nfoot=1,caption="Table1",print=FALSE)
cat(saved_table)

```

---

use\_btabletemplate      *Open a basic template suitable for use with btable*

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**Description**

Open a basic template suitable for use with btable

**Usage**

```
use_btabletemplate(name, fmt = c("Rmd", "Rnw"), ..., open = TRUE)
```

**Arguments**

|      |  |
|------|--|
| name | name to save the file under                          |
| fmt  | character defining format (Rmd or Rnw are accepted)  |
| ...  | other options passed to <a href="#">use_template</a> |
| open | logical, whether to open the file                    |

**Value**

(by default) saves and opens a script of the chosen format

**Examples**

```
## Not run:  
# Rmd file  
use_btabletemplate("foo")  
# Rnw file  
use_btabletemplate("foo", fmt = "Rnw")  
  
## End(Not run)
```

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