

Package: btabler (via r-universe)

September 15, 2024

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

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

Repository <https://ctu-bern.r-universe.dev>

RemoteUrl <https://github.com/CTU-Bern/btabler>

RemoteRef HEAD

RemoteSha 7fb47d1b84d183ec37ee6ab5a931eb85dd2acbee

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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,  
  alightot = 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*

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 use_template
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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