

# Package ‘ftExtra’

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**Title** Extensions for 'Flextable'

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**Description** Build display tables easily by extending the functionality of the 'flextable' package. Features include spanning header, grouping rows, parsing markdown and so on.

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**URL** <https://ftextra.atusy.net>, <https://github.com/atusy/ftExtra>

**BugReports** <https://github.com/atusy/ftExtra/issues>

**Imports** dplyr, jsonlite, flextable (>= 0.6.4), tidyr, purrr, magrittr, rmarkdown, rlang, stringr, tibble, tidyselect (>= 1.1.0), xfun, yaml, vctrs

**Suggests** testthat (>= 2.1.0), knitr, qpdf

**VignetteBuilder** knitr

**Encoding** UTF-8

**Language** en-US

**RoxygenNote** 7.1.2

**SystemRequirements** pandoc (>= 2.0.6) - <http://pandoc.org>

**NeedsCompilation** no

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as\_flextable\_methods *method to convert object to flextable*

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### Description

This is a convenient function to let users create flextable bindings from any objects. Users should consult documentation of corresponding method to understand the details and see what arguments can be used.

### Usage

```
## S3 method for class 'grouped_df'
as_flextable(
  x,
  groups_to = c("titles", "merged", "asis"),
  groups_pos = c("left", "asis"),
  ...
)
```

```
## S3 method for class 'data.frame'
as_flextable(x, col_keys = names(x), ...)
```

### Arguments

x	object to be transformed as flextable
groups_to	One of titles, merged, or asis. See examples for the result.
groups_pos	When groups_to = "merged", grouping columns are reordered according to group_pos. Choices are left (default) or asis.
...	arguments for custom methods
col_keys	columns names/keys to display. If some column names are not in the dataset, they will be added as blank columns by default.

### See Also

Other as\_flextable methods: [as\\_flextable.gam\(\)](#), [as\\_flextable.glm\(\)](#), [as\\_flextable.grouped\\_data\(\)](#), [as\\_flextable.htest\(\)](#), [as\\_flextable.lm\(\)](#), [as\\_flextable.tabulator\(\)](#), [as\\_flextable.xtable\(\)](#)

**Examples**

```
# For grouped_df
grouped_df <- iris %>%
  dplyr::group_by(Species) %>%
  dplyr::slice(1, 2)

as_flextable(grouped_df, groups_to = "titles")
as_flextable(grouped_df, groups_to = "titles", hide_grouplabel = TRUE)
as_flextable(grouped_df, groups_to = "merged")
as_flextable(grouped_df, groups_to = "asis")
# For data.frame
iris %>%
  head() %>%
  as_flextable()
```

---

as_paragraph_md	<i>Convert a character vector into markdown paragraph(s)</i>
-----------------	--

---

**Description**

Parse markdown cells and returns the "paragraph" object.

**Usage**

```
as_paragraph_md(
  x,
  auto_color_link = "blue",
  md_extensions = NULL,
  pandoc_args = NULL,
  replace_na = "",
  .from = "markdown+autolink_bare_uris",
  .footnote_options = NULL,
  ...
)
```

**Arguments**

x	A character vector.
auto_color_link	A color of the link texts.
md_extensions	Pandoc's extensions. Although it is prefixed with "md", extensions for any formats specified to .from can be used. See <a href="https://www.pandoc.org/MANUAL.html#extensions">https://www.pandoc.org/MANUAL.html#extensions</a> for details.
pandoc_args	Additional command line options to pass to pandoc
replace_na	A value to replace NA (default = "").
.from	Pandoc's --from argument (default: 'markdown+autolink_bare_uris').

```
.footnote_options      Options for footnotes generated by footnote_options().
...                    Arguments passed to internal functions.
```

### Examples

```
if (rmarkdown::pandoc_available("2.0.6")) {
  library(flextable)
  ft <- flextable(
    data.frame(
      x = c("**foo** bar", "***baz***", "*qux*"),
      stringsAsFactors = FALSE
    )
  )
  ft <- compose(ft, j = "x", i = 1:2, value = as_paragraph_md(x))
  autofit(ft)
}
```

---

colformat\_md

*Format character columns as markdown text*

---

### Description

Format character columns as markdown text

### Usage

```
colformat_md(
  x,
  j = where(is.character),
  part = c("body", "header", "all"),
  auto_color_link = "blue",
  md_extensions = NULL,
  pandoc_args = NULL,
  replace_na = "",
  .from = "markdown+autolink_bare_uris",
  .footnote_options = footnote_options(),
  .sep = "\n\n"
)
```

### Arguments

x	A flextable object
j	Columns to be treated as markdown texts. Selection can be done by the semantics of <code>dplyr::select()</code> .
part	One of "body", "header", and "all". If "all", formatting proceeds in the order of "header" and "body".

auto_color_link	A color of the link texts.
md_extensions	Pandoc's extensions. Although it is prefixed with "md", extensions for any formats specified to .from can be used. See <a href="https://www.pandoc.org/MANUAL.html#extensions">https://www.pandoc.org/MANUAL.html#extensions</a> for details.
pandoc_args	Additional command line options to pass to pandoc
replace_na	A value to replace NA (default = "").
.from	Pandoc's --from argument (default: 'markdown+autolink_bare_uris').
.footnote_options	Options for footnotes generated by footnote_options().
.sep	A separator of paragraphs (default: "\n\n")

## Examples

```
if (rmarkdown::pandoc_available("2.0.6")) {
  d <- data.frame(
    x = c("**bold**", "*italic*"),
    y = c("^superscript^", "~subscript~"),
    z = c("***^ft^~Extra~** is*", "*Cool*")
  )
  colformat_md(flextable::flextable(d))
}
```

---

footnote_options	<i>Options for footnotes</i>
------------------	------------------------------

---

## Description

Configure options for footnotes.

## Usage

```
footnote_options(
  ref = c("1", "a", "A", "i", "I", "*"),
  prefix = "",
  suffix = "",
  start = 1L,
  max = 26L,
  inline = FALSE,
  sep = "; "
)
```

**Arguments**

ref	One of "1", "a", "A", "i", "I", or "*" to as a choice for a symbol to cross-reference footnotes.
prefix, suffix	Pre- and suf-fixes for ref (default: "").
start	A starting number of footnotes.
max	A max number of footnotes.
inline	whether to add footnote on same line as previous footnote or not
sep	inline = T, character string to use as a separator between footnotes

**Value**

An environment

**Examples**

```
o <- footnote_options("1", start = 1L)
```

---

separate_header	<i>Separate the header based on delimiters</i>
-----------------	--

---

**Description**

Separate the header based on delimiters

**Usage**

```
separate_header(  
  x,  
  sep = "[_\\.]",  
  theme_fun = flextable::theme_booktabs,  
  ...  
)
```

**Arguments**

x	A flextable object <sup>4</sup>
sep	Separator between columns. If character, sep is interpreted as a regular expression. The default value is a regular expression that matches any sequence of non-alphanumeric values. If numeric, sep is interpreted as character positions to split at. Positive values start at 1 at the far-left of the string; negative value start at -1 at the far-right of the string. The length of sep should be one less than into.
theme_fun	deprecated, use <code>set_flextable_defaults()</code> instead.
...	Passed to theme_fun

**Examples**

```
iris %>%
  as_flextable() %>%
  separate_header()
```

---

span\_header

*Span the header based on delimiters*


---

**Description**

Span the header based on delimiters

**Usage**

```
span_header(x, sep = "[_\\.]", theme_fun = flextable::theme_booktabs, ...)
```

**Arguments**

x	A flextable object
sep	Separator between columns. If character, sep is interpreted as a regular expression. The default value is a regular expression that matches any sequence of non-alphanumeric values. If numeric, sep is interpreted as character positions to split at. Positive values start at 1 at the far-left of the string; negative value start at -1 at the far-right of the string. The length of sep should be one less than into.
theme_fun	deprecated, use <a href="#">set_flextable_defaults()</a> instead.
...	Passed to theme_fun

**Examples**

```
iris %>%
  as_flextable() %>%
  span_header()
```

---

with\_blanks

*Specify blank columns easily via col\_keys*


---

**Description**

Specify blank columns easily via col\_keys

**Usage**

```
with_blanks(after = NULL, before = NULL)
```

**Arguments**

after, before    Blank columns are added after/before the selected columns. Selections can be done by the semantics of `dplyr::select`.

**Examples**

```
iris %>%  
  as_flextable(col_keys = with_blanks(dplyr::ends_with("Width")))
```



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