

Package: `manymome.table` (via `r-universe`)

September 2, 2024

Title Publication-Ready Tables for 'manymome' Results

Version 0.3.0

Description Converts results from the 'manymome' package, presented in Cheung and Cheung (2023) <[doi:10.3758/s13428-023-02224-z](https://doi.org/10.3758/s13428-023-02224-z)>, to publication-ready tables.

URL <https://sfcheung.github.io/manymome.table/>

BugReports <https://github.com/sfcheung/manymome.table/issues>

License GPL (>= 3)

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Suggests knitr, rmarkdown, tinytest, lavaan, officer

VignetteBuilder knitr

Depends R (>= 2.10)

LazyData true

Imports manymome, flextable

Repository <https://sfcheung.r-universe.dev>

RemoteUrl <https://github.com/sfcheung/manymome.table>

RemoteRef HEAD

RemoteSha c421a89bd4208564e6e5104a5d735fb1ac64e9c7

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```
as_flexable.cond_indirect_effects
```

Convert an 'cond_indirect_effects' Object to a 'flexable' Object

Description

The 'as_flexable' method for the output of 'manymome::many_indirect_effects()'.

Usage

```
## S3 method for class 'cond_indirect_effects'
as_flexable(
  x,
  pvalue = FALSE,
  se = TRUE,
  var_labels = NULL,
  digits = 2,
  pval_digits = 3,
  use_arrow = TRUE,
  indirect_raw = TRUE,
  indirect_raw_ci = indirect_raw,
  indirect_raw_se = indirect_raw,
  footnote = TRUE,
  show_wvalues = TRUE,
  show_indicators = FALSE,
  show_path = TRUE,
  pcut = 0.001,
  ...
)
```

Arguments

x	The object to be converted. Should be of the class <code>cond_indirect_effects</code> from the package <code>manymome</code> .
pvalue	If bootstrap confidence intervals are stored, whether asymmetric <i>p</i> -values are reported. Default is <code>FALSE</code> . See <code>manymome::print.cond_indirect_effects()</code> for the computational details.
se	Whether standard errors are reported if confidence intervals are stored. Default is <code>TRUE</code> . See <code>manymome::print.cond_indirect_effects()</code> for the computation details.
var_labels	A named vectors. Used to replace variable names by other names when generating the table. For example, <code>c(x = "I.V", y = "D.V.")</code> replaces <code>x</code> by "I.V" and <code>y</code> by "D.V." in the output.
digits	The number of digits to be displayed for most numerical columns, such as effect estimates, standard errors, and confidence intervals. Default is 2.

pval_digits	The number of digits to be displayed for the <i>p</i> -value column, if present. Default is 3.
use_arrow	If TRUE, the default, use the arrow symbol in the paths.
indirect_raw	If TRUE, the default, report unstandardized effects even if standardization was done.
indirect_raw_ci	If TRUE, report the confidence intervals of unstandardized effects even if standardization was done and confidence intervals were stored. Default to be equal to indirect_raw. NOTE: Not used for now. Always FALSE.
indirect_raw_se	If TRUE, report the standard errors of unstandardized effects even if standardization was done and confidence intervals were stored. Default to be equal to indirect_raw. NOTE: Not used for now. Always FALSE.
footnote	If TRUE, the default, add footnote(s) regarding the results to the bottom of the table.
show_wvalues	Whether the values of moderators will be shown. If FALSE, no values will be shown, even for categorical moderators. Default is TRUE.
show_indicators	Whether the values of indicators (dummy variables) will be shown for categorical moderators. Default is FALSE.
show_path	Whether the paths being moderated will be displayed. Default is TRUE.
pcut	Any <i>p</i> -value less than pcut will be displayed as <[pcut], "[pcut]" replaced by the value of pcut. Default is .001.
...	Additional arguments. Ignored.

Details

It converts an `cond_indirect_effects` object, which is usually created by `manymome::cond_indirect_effects()`, to a `flextable` object. The output can be further modified by functions from the `flextable` package.

Value

A `flextable` object.

Examples

```
library(manymome)
library(flextable)

# List of indirect effects

dat <- data_med_mod_a
lm_m <- lm(m ~ x*w + c1 + c2, dat)
lm_y <- lm(y ~ m + x + c1 + c2, dat)
fit_lm <- lm2list(lm_m, lm_y)
```

```

# Should set R to 5000 or 10000 in real research
boot_out_lm <- do_boot(fit_lm,
                      R = 100,
                      seed = 54532,
                      parallel = FALSE,
                      progress = FALSE)

out_xmy_on_w <- cond_indirect_effects(wlevels = "w",
                                     x = "x",
                                     y = "y",
                                     m = "m",
                                     fit = fit_lm,
                                     boot_ci = TRUE,
                                     boot_out = boot_out_lm)

std_xmy_on_w <- cond_indirect_effects(wlevels = "w",
                                     x = "x",
                                     y = "y",
                                     m = "m",
                                     fit = fit_lm,
                                     boot_ci = TRUE,
                                     boot_out = boot_out_lm,
                                     standardized_x = TRUE,
                                     standardized_y = TRUE)

ft1 <- as_flextable(out_xmy_on_w,
                   var_labels = c(w = "Moderator"))
ft1

ft2 <- as_flextable(std_xmy_on_w,
                   var_labels = c(w = "Moderator"),
                   se = FALSE,
                   digits = 3)
ft2

```

```
as_flextable.indirect_list
```

Convert an 'indirect_list' Object to a 'flextable' Object

Description

The 'as_flextable' method for the output of 'manymome::many_indirect_effects()'.

Usage

```

## S3 method for class 'indirect_list'
as_flextable(
  x,
  pvalue = FALSE,

```

```

    se = TRUE,
    var_labels = NULL,
    digits = 2,
    pval_digits = 3,
    use_arrow = TRUE,
    indirect_raw = TRUE,
    indirect_raw_ci = indirect_raw,
    indirect_raw_se = indirect_raw,
    group_by_x = TRUE,
    group_by_y = TRUE,
    y_first = TRUE,
    total_indirect = TRUE,
    footnote = TRUE,
    pcut = 0.001,
    ...
)

```

Arguments

x	The object to be converted. Should be of the class <code>indirect_list</code> from the package <code>manymome</code> .
pvalue	If bootstrap confidence intervals are stored, whether asymmetric p -values are reported. Default is <code>FALSE</code> . See <code>manymome::print.indirect_list()</code> for the computational details.
se	Whether standard errors are reported if confidence intervals are stored. Default is <code>TRUE</code> . See <code>manymome::print.indirect_list()</code> for the computation details.
var_labels	A named vectors. Used to replace variable names by other names when generating the table. For example, <code>c(x = "I.V", y = "D.V.")</code> replaces <code>x</code> by <code>"I.V"</code> and <code>y</code> by <code>"D.V."</code> in the output.
digits	The number of digits to be displayed for most numerical columns, such as effect estimates, standard errors, and confidence intervals. Default is 2.
pval_digits	The number of digits to be displayed for the p -value column, if present. Default is 3.
use_arrow	If <code>TRUE</code> , the default, use the arrow symbol in the paths.
indirect_raw	If <code>TRUE</code> , the default, report unstandardized effects even if standardization was done.
indirect_raw_ci	If <code>TRUE</code> , report the confidence intervals of unstandardized effects even if standardization was done and confidence intervals were stored. Default to be equal to <code>indirect_raw</code> . NOTE: Not used for now. Always <code>FALSE</code> .
indirect_raw_se	If <code>TRUE</code> , report the standard errors of unstandardized effects even if standardization was done and confidence intervals were stored. Default to be equal to <code>indirect_raw</code> . NOTE: Not used for now. Always <code>FALSE</code> .
group_by_x	If <code>TRUE</code> , the default, the rows will be grouped by <code>x</code> -variables if the paths have more than one <code>x</code> -variable. Default is <code>TRUE</code> .

group_by_y	If TRUE, the default, the rows will be grouped by y-variables if the paths have more than one y-variable. Default is TRUE.
y_first	If group by both x- and y-variables, group by y-variables first if TRUE, the default. Otherwise, group by x-variables.
total_indirect	If TRUE, the default, total indirect effect will be computed and added to the output.
footnote	If TRUE, the default, add footnote(s) regarding the results to the bottom of the table.
pcut	Any p -value less than pcut will be displayed as <[pcut], "[pcut]" replaced by the value of pcut. Default is .001.
...	Additional arguments. Ignored.

Details

It converts an `indirect_list` object, which is usually created by `manymome::many_indirect_effects()`, to a flextable object. The output can be further modified by functions from the package `flextable`.

Value

A flextable object.

Examples

```
library(flextable)
library(manymome)

data(data_med_complicated)
lm_m11 <- lm(m11 ~ x1 + x2, data_med_complicated)
lm_m2 <- lm(m2 ~ x1 + x2, data_med_complicated)
lm_y1 <- lm(y1 ~ m11 + m2 + x1 + x2, data_med_complicated)
fit <- lm2list(lm_m11, lm_m2, lm_y1)

# All indirect paths
paths <- all_indirect_paths(fit,
  x = c("x1", "x2"),
  y = c("y1"))

# Indirect paths from x1 to y1
paths_x1y1 <- all_indirect_paths(fit,
  x = c("x1"),
  y = c("y1"))

# Indirect effect estimates
ind <- many_indirect_effects(paths,
  fit = fit)

ft_ind <- as_flextable(ind)
ft_ind
ft_ind <- as_flextable(ind, group_by_x = FALSE)
ft_ind
```

```
ind_x1y1 <- many_indirect_effects(paths_x1y1,
                                fit = fit)
ft_ind_x1y1 <- as_flexable(ind_x1y1)
ft_ind_x1y1

# Should set R to 5000 or 10000 in real research
boot_out_lm <- do_boot(fit,
                      R = 100,
                      seed = 54532,
                      parallel = FALSE,
                      progress = FALSE)
ind_x1y1_ci <- many_indirect_effects(paths_x1y1,
                                    fit = fit,
                                    boot_ci = TRUE,
                                    boot_out = boot_out_lm)
ft_ind_x1y1_ci <- as_flexable(ind_x1y1_ci)
ft_ind_x1y1_ci
```

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