

# Package ‘manymome.table’

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**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

**RoxygenNote** 7.3.1

**Suggests** knitr, rmarkdown, tinytest, lavaan, officer

**VignetteBuilder** knitr

**Depends** R (>= 2.10)

**Imports** manymome, flextable

**NeedsCompilation** no

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**Repository** CRAN

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## R topics documented:

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```
as_flextable.cond_indirect_effects
```

*Convert an 'cond\_indirect\_effects' Object to a 'flextable' Object*

---

## Description

The 'as\_flextable' method for the output of 'manymome::many\_indirect\_effects()'.

## Usage

```
## S3 method for class 'cond_indirect_effects'
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,
  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 $x$ -variables if the paths have more than one $x$ -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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