

Package ‘tabbitR’

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Title Weighted Cross-Tabulations Exported to 'Excel'

Version 0.1.3

Description Produces weighted cross-tabulation tables for one or more outcome variables across one or more breakdown variables, and exports them directly to 'Excel'. For each outcome-by-breakdown combination, the package creates a weighted percentage table and a corresponding unweighted count table, with transparent handling of missing values and light, readable formatting. Designed to support social survey analysis workflows that require large sets of consistent, publication-ready tables.

Language en-GB

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Encoding UTF-8

Imports haven, openxlsx, stats

RoxygenNote 7.3.3

URL <https://github.com/smmcandrew/tabbitR>

BugReports <https://github.com/smmcandrew/tabbitR/issues>

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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Description

tabbit_excel() produces weighted percentage tables and unweighted counts for one or more outcome variables, optionally including missing responses and/or row percentages. Output is written to an Excel file with one sheet per breakdown variable by default (or all results in a single sheet if by_breakdown = FALSE).

Usage

```
tabbit_excel(
  data,
  vars,
  breakdown,
  file,
  wtvar,
  row_pct = FALSE,
  decimals = 1L,
  nooverall = FALSE,
  nototal = FALSE,
  missingasrow = FALSE,
  nomissing = FALSE,
  by_breakdown = TRUE,
  sheet_base = "Frequencies",
  ...
)
```

Arguments

data	A data frame.
vars	Character vector of outcome variable names.
breakdown	Character vector of breakdown variables.
file	Path to the Excel file to create.
wtvar	Name of the weight variable (string). Must be present in data.
row_pct	Logical. If FALSE (default), tables show column percentages. If TRUE, tables show row percentages.
decimals	Integer. Number of decimal places for percentages (0-6; default 1).
nooverall	Logical. If TRUE, suppress the "Overall" column (or "Overall column percentage (valid responses)" table).
nototal	Logical. If TRUE, suppress the "Total percent" row in the percentage table (column mode only).
missingasrow	Logical. If TRUE, include "Response missing" as an explicit row in the main percentage table.

nomissing	Logical. If TRUE, drop missing responses from the unweighted N table (and from the percentage table unless missingasrow = TRUE).
by_breakdown	Logical. If TRUE (default), create one sheet per breakdown variable. If FALSE, stack all results into a single sheet called sheet_base.
sheet_base	Sheet name to use when by_breakdown = FALSE.
...	For future extension.

Details

For each outcome variable in vars and each breakdown variable in breakdown, tabbit_excel():

- computes weighted percentages (by column or by row),
- optionally adds an overall distribution across breakdowns,
- optionally adds a "Total percent" row (column mode only),
- handles missing outcomes either as a separate "Response missing" row or by excluding them, with or without a separate "Missing percent" line, and
- writes a corresponding unweighted N table including (or excluding) missing responses.

A light formatting layer is applied using the **openxlsx** package:

- table headers: bold, with top and bottom borders,
- row labels: bold,
- total rows ("Total percent" and "Column totals"): bold, with top and bottom borders, and
- missing-percentage row: italic.

Value

Invisibly, the file path of the created workbook (a character string).

Examples

```
out_file <- tempfile(fileext = ".xlsx")

df <- data.frame(
  courteous = factor(c("Definitely true", "Mostly true", NA, "Mostly false")),
  listener  = factor(c("Often", "Sometimes", "Never", NA)),
  sex       = factor(c("Male", "Female", "Female", "Male")),
  agegrp1   = factor(c("18-34", "35-54", "18-34", "55+")),
  weight    = c(1, 1.5, 0.8, 1.2)
)

tabbit_excel(
  data      = df,
  vars      = c("courteous", "listener"),
  breakdown = c("sex", "agegrp1"),
  file      = out_file,
  wtvar     = "weight",
  row_pct   = FALSE,
```

```
decimals      = 1L,  
nooverall    = FALSE,  
nototal      = FALSE,  
missingasrow = FALSE,  
nomissing    = FALSE  
)
```

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