Package: tabbitR (via r-universe)

November 14, 2026

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

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.3

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

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

Suggests knitr, rmarkdown

VignetteBuilder knitr

Config/pak/sysreqs make libicu-dev libx11-dev zlib1g-dev

Repository https://smmcandrew.r-universe.dev

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`tabbit_excel` *Write Weighted Crosstab Tables To An Excel Workbook*

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; may include mayo = TRUE for a small hidden message.

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

```
## Not run:
tabbit_excel(
  data         = survey_df,
  vars         = c("courteous", "listener"),
  breakdown    = c("sex", "agegrp1"),
  file         = "results.xlsx",
  wtvar        = "w_caltrim_c",
  row_pct      = FALSE,
  decimals     = 1L,
  nooverall    = FALSE,
  nototal      = FALSE,
  missingasrow = FALSE,
  nomissing    = FALSE
)

## End(Not run)
```

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