

Package: erstools (via r-universe)

June 4, 2026

Title ERS RMarkdown Template and Functions to Read, Write, Validate,
and Visualize Data

Version 1.1.2

Description What the package does (one paragraph).

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Roxygen list(markdown = TRUE)

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Imports Microsoft365R, data.table, readxl, writexl, gt, devtools,
dplyr, ggplot2, janitor, rmarkdown, scales, sf, skimr

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

URL <https://erstrategies.github.io/erstools/>

Config/pak/sysreqs libabsl-dev cmake libfontconfig1-dev libfreetype6-dev libfribidi-
dev libgdal-dev gdal-bin libgeos-dev git make libharfbuzz-dev libgit2-dev libicu-
dev libjpeg-dev libpng-dev libtiff-dev libuv1-dev libwebp-dev libxml2-dev libssl-
dev libproj-dev libsqlite3-dev libudunits2-dev libnode-dev libx11-dev zlib1g-dev

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

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RemoteUrl <https://github.com/ERStrategies/erstools>

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`ers_column_info` *Use the skim function to validate your data and output a summary of your columns*

Description

This function applies `skimr::skim()` to summarize a dataset and then formats numeric columns. Numeric values are rounded to one decimal place. If a number is 1,000 or greater, it is formatted with commas.

Usage

```
ers_column_info(dataset)
```

Arguments

`dataset` A data frame or tibble to be summarized.

Value

A tibble with summary statistics, where numeric values are rounded to one decimal place and large numbers (> 1,000) are formatted with commas.

`ers_load_packages` *Load Required Libraries and Categorize Output*

Description

This function loads a set of commonly used libraries, categorizes them, suppresses unnecessary startup messages, and prints a summary of successfully loaded libraries. If any packages are missing, a warning is displayed at the bottom.

Usage

```
ers_load_packages()
```

Value

A categorized summary of loaded libraries and a warning message for missing packages.

Examples

```
ers_load_packages()
```

ers_read_clean	<i>Read files from sharepoint with clean names</i>
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Description

Read files from sharepoint with clean names

Usage

```
ers_read_clean(  
  folder_path,  
  file_name_with_extension,  
  sheet_name = NULL,  
  drive_name = "client_work_drive",  
  skip_rows = 0,  
  na_values = c(""),  
  clean_names = TRUE  
)
```

Arguments

<code>folder_path</code>	REQUIRED: The path to the file: https://app.tettra.co/teams/ersknowledge/pages/copying-a-folder-path-from-sharepoint-to-use-in-r
<code>file_name_with_extension</code>	REQUIRED: Supported extensions: .csv, .xls, .xlsx. Example: "student_performance.csv"
<code>sheet_name</code>	OPTIONAL: Only required if you have an excel spreadsheet with multiple sheets. Example: "Sheet 2"
<code>drive_name</code>	OPTIONAL: R will detect what drive the file is from (e.g. 'client_work_drive', 'internal_drive', 'external_drive', or 'data_hub_drive')
<code>skip_rows</code>	OPTIONAL: Only required if your data doesn't start in the first row of the spreadsheet. Example: If your data starts in row 4 then enter 3
<code>na_values</code>	OPTIONAL: By default will change all cells to NA if they have "", "N/A", "NA", or "Missing"
<code>clean_names</code>	OPTIONAL: standardizes column names by removing special characters, converting to snake_case, and ensuring uniqueness

Value

Your loaded data as a data frame with the name `raw_data`

`ers_read_sharepoint` *Read files from sharepoint*

Description

Read files from sharepoint

Usage

```
ers_read_sharepoint(  
  folder_path,  
  file_name_with_extension,  
  sheet_name = NULL,  
  drive_name = "client_work_drive",  
  skip_rows = 0,  
  na_values = c(""),  
  clean_names = "FALSE"  
)
```

Arguments

<code>folder_path</code>	REQUIRED: The path to the file: https://app.tetra.co/teams/ersknowledge/pages/copying-a-folder-path-from-sharepoint-to-use-in-r
<code>file_name_with_extension</code>	REQUIRED: Supported extensions: .csv, .xls, .xlsx, .shp Example: "student_performance.csv"
<code>sheet_name</code>	OPTIONAL: Only required if you have an excel spreadsheet with multiple sheets. Example: "Sheet 2"
<code>drive_name</code>	OPTIONAL: R will detect what drive the file is from (e.g. 'client_work_drive', 'internal_drive', 'external_drive', or 'data_hub_drive')
<code>skip_rows</code>	OPTIONAL: Only required if your data doesn't start in the first row of the spreadsheet. Example: If your data starts in row 4 then enter 3
<code>na_values</code>	OPTIONAL: By default will change all cells to NA if they have "", "N/A", "NA", or "Missing"
<code>clean_names</code>	OPTIONAL: standardizes column names by removing special characters, converting to snake_case, and ensuring uniqueness

Value

Your loaded data as a data frame with the name `raw_data`

 ers_sharepoint_path_clean

Clean beginning path and %20s in sharepoint file names for ers_read_sharepoint and ers_write_sharpoint

Description

Clean beginning path and %20s in sharepoint file names for ers_read_sharepoint and ers_write_sharpoint

Usage

```
ers_sharepoint_path_clean(full_path)
```

Arguments

full_path	REQUIRED: The path to the file. This can be pasted directly from Share-Point: https://app.tetra.co/teams/ersknowledge/pages/copying-a-folder-path-from-sharepoint-to-use-in-r
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Value

Your cleaned sharepoint path and the sharepoint drive name

 ers_table

Output your data as a nicely formatted table using the gt package

Description

Output your data as a nicely formatted table using the gt package

Usage

```
ers_table(dataset, title = "Default Title")
```

Arguments

dataset	REQUIRED: The data that you want to make into a table
title	REQUIRED: Desired title of your data table. Example: "Teacher FTE by School"

Value

Your data as a nicely formatted table

`ers_template` *Create a new ERS R Markdown file from a template*

Description

Create a new ERS R Markdown file from a template

Usage

```
ers_template(file_name, include_walkthrough = FALSE)
```

Arguments

`file_name` The name of the new Rmd file to create (e.g., "my_report"). You do not need to include the .Rmd extension.

`include_walkthrough` If TRUE or "yes", use the walkthrough template; otherwise, use the standard template

Value

Creates a new Rmd file in your working directory

`ers_update_erstools` *Update the erstools package from GitHub*

Description

Installs or updates the public erstools package from GitHub.

Usage

```
ers_update_erstools()
```

Value

Invisibly returns TRUE if installation succeeds.

ers_write_sharepoint *Write files to sharepoint folders*

Description

Write files to sharepoint folders

Usage

```
ers_write_sharepoint(  
  data,  
  folder_path,  
  file_name_with_extension,  
  drive_name = "client_work_drive"  
)
```

Arguments

<code>data</code>	REQUIRED: The data frame, shape file, or ggplot object to be uploaded
<code>folder_path</code>	REQUIRED: The folder where you want the data to be saved: https://app.tetra.co/teams/erskn a-folder-path-from-sharepoint-to-use-in-r
<code>file_name_with_extension</code>	REQUIRED: Supported extensions: .csv, .xlsx, .png(ggsave). Example: "student_performance.csv"
<code>drive_name</code>	OPTIONAL: R will detect what drive the file is from (e.g. 'client_work_drive', or 'internal_drive')

Value

A message that your file was successfully uploaded.

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