

Package: econioread (via r-universe)

July 20, 2026

Type Package

Title Read Input-Output Tables

Version 0.1.0

Description Provides a step-by-step interface for reading input-output tables from 'csv', 'xls', and 'xlsx' files into 'econio' input-output table objects. Handles the extraction of headers, regions, sector names, and sector types from raw spreadsheet cells, supporting both regional and multiregional input-output tables.

License MIT + file LICENSE

Encoding UTF-8

LazyData true

Imports adverbial, cli, dplyr, econio, fs, purrr, readr, readxl, rlang, stringr, tidyr, tidyxl, unpivotr, vctrs

Remotes uchidamizuki/adverbial

Config/roxygen2/version 8.0.0

Config/pak/sysreqs cmake make libicu-dev libuv1-dev libxml2-dev libx11-dev

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

Date/Publication 2026-07-20 06:40:57 UTC

RemoteUrl <https://github.com/UchidaMizuki/econioread>

RemoteRef HEAD

RemoteSha 5dedf52367ebc6ab1c5afe870ca0c25dc7c84f1e

Contents

io_table_read_cells	2
io_table_read_data	2
io_table_read_headers	3
io_table_read_regions	4
io_table_read_sector_names	4
io_table_read_sector_types	5
io_table_reader	6

Index[7](#)

io_table_read_cells	<i>Import cell contents of an input-output table</i>
---------------------	--

Description

‘io_table_read_cells()’ reads the cell contents of an input-output table.

Usage

```
io_table_read_cells(  
  file,  
  sheets = NULL,  
  rows_range = c(1, Inf),  
  rows_exclude = integer(),  
  cols_range = c(1, Inf),  
  cols_exclude = integer()  
)
```

Arguments

file	Path to the input-output table file.
sheets	A character vector of sheet names to read from. Passed to [tidyxl::xlsx_cells()].
rows_range, cols_range	A numeric vector of length 2 specifying the range of rows and columns to read from.
rows_exclude, cols_exclude	A numeric vector of row and column numbers to exclude.

Value

A data frame containing the cell contents of an input-output table.

io_table_read_data	<i>Create data of an input-output table</i>
--------------------	---

Description

‘io_table_read_data()’ creates data of an input-output table.

Usage

```
io_table_read_data(
  cells,
  value_scale,
  value_na = c("", "NA"),
  total_tolerance = .Machine$double.eps^0.5,
  check_axes = TRUE
)
```

Arguments

cells	A data frame containing the cell contents of an input-output table.
value_scale	A scalar numeric specifying the scale for the numeric values.
value_na	A character vector of strings to be treated as NA values.
total_tolerance	Passed to [econio::io_table_multiregional()] or [econio::io_table_regional()]. By default, <code>‘.Machine\$double.eps^0.5’</code> .
check_axes	Passed to [econio::io_table_multiregional()] or [econio::io_table_regional()]. By default, <code>‘TRUE’</code> .

Value

An input-output table object.

`io_table_read_headers` *Create headers of an input-output table*

Description

`‘io_table_read_headers()’` creates headers of an input-output table.

Usage

```
io_table_read_headers(cells, input_names, output_names)
```

Arguments

cells	A data frame containing the cell contents of an input-output table.
input_names, output_names	A character vector of input and output names.

Value

A data frame containing the headers of an input-output table.

`io_table_read_regions` *Create columns of regions in an input-output table*

Description

`'io_table_read_regions()'` creates columns of regions in an input-output table.

Usage

```
io_table_read_regions(cells, input_region_glue, output_region_glue)
```

Arguments

`cells` A data frame containing the cell contents of an input-output table.
`input_region_glue, output_region_glue`
 A scalar character string specifying the glue pattern for input and output regions.

Value

A data frame containing the regions of an input-output table.

`io_table_read_sector_names`
 Create columns of sector names in an input-output table

Description

`'io_table_read_sector_names()'` creates columns of sector names in an input-output table.

Usage

```
io_table_read_sector_names(  
  cells,  
  input_sector_name_glue,  
  output_sector_name_glue  
)
```

Arguments

`cells` A data frame containing the cell contents of an input-output table.
`input_sector_name_glue, output_sector_name_glue`
 A scalar character specifying the glue pattern for input and output sector names.

Value

A data frame containing the sector names of an input-output table.

io_table_read_sector_types

Create columns of sector types in an input-output table

Description

'io_table_read_sector_types()' creates columns of sector types in an input-output table.

Usage

```
io_table_read_sector_types(
  cells,
  import_type,
  industry_pattern = NULL,
  industry_total_pattern = NULL,
  import_pattern = NULL,
  import_total_pattern = NULL,
  value_added_pattern = NULL,
  value_added_total_pattern = NULL,
  final_demand_pattern = NULL,
  final_demand_total_pattern = NULL,
  export_pattern = NULL,
  export_total_pattern = NULL,
  total_pattern = NULL
)
```

Arguments

cells	A data frame containing the cell contents of an input-output table.
import_type	A scalar character, either "competitive_import" or "noncompetitive_import", indicating the import type of the input-output table.
industry_pattern, import_pattern, value_added_pattern, final_demand_pattern, export_pattern, total_pattern	A scalar character specifying the pattern for sector names.
industry_total_pattern, import_total_pattern, value_added_total_pattern, final_demand_total_pattern, export_total_pattern	A scalar character specifying the pattern for total sector names.

Value

A data frame containing the sector types of an input-output table.

io_table_reader	<i>Input-output table reader</i>
-----------------	----------------------------------

Description

'io_table_reader()' provides a step-by-step process to read an input-output table from a file.

Usage

```
io_table_reader(file, region_type = c("regional", "multiregional"))
```

Arguments

file	Path to the input-output table file.
region_type	Type of the input-output table. Either "regional" or "multiregional", by default "regional".

Value

A function that takes a file path and returns a step-by-step input-output table reader.

Index

`io_table_read_cells`, [2](#)
`io_table_read_data`, [2](#)
`io_table_read_headers`, [3](#)
`io_table_read_regions`, [4](#)
`io_table_read_sector_names`, [4](#)
`io_table_read_sector_types`, [5](#)
`io_table_reader`, [6](#)