

Package ‘gerda’

November 20, 2024

Title German Election Database (GERDA)

Version 0.1.0

Description Provides tools to download comprehensive datasets of local, state, and federal election results in Germany from 1990 to 2021. The package facilitates access to data on turnout, vote shares for major parties, and demographic information across different levels of government (municipal, state, and federal). It offers access to geographically harmonized datasets that account for changes in municipal boundaries over time and incorporate mail-in voting districts. Users can easily retrieve, clean, and standardize German electoral data, making it ready for analysis. Data is sourced from <http://www.german-elections.com>.

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Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 2.10)

Imports stringdist, dplyr, readr, knitr, tibble

Suggests rmarkdown, testthat (>= 3.0.0)

Config/testthat/edition 3

URL <https://github.com/hhilbig/gerda>

BugReports <https://github.com/hhilbig/gerda/issues>

VignetteBuilder knitr

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NeedsCompilation no

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Repository CRAN

Date/Publication 2024-11-20 19:10:01 UTC

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gerda_data_list	<i>List of GERDA Data</i>
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Description

This function lists the available GERDA data sets. The purpose of this function is to quickly provide a list of available data sets and their descriptions.

Usage

```
gerda_data_list(print_table = TRUE)
```

Arguments

`print_table` A logical value indicating whether to print the table in the console (TRUE) or return the data as a tibble (FALSE). Default is TRUE.

Value

A tibble containing the available GERDA data with descriptions. When `print_table = TRUE`, the function prints a formatted table to the console and invisibly returns the data tibble. When `print_table = FALSE`, the function directly returns the data tibble.

Examples

```
gerda_data_list()
```

load_gerda_web	<i>Load GERDA Data</i>
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Description

This function loads GERDA data from a web source.

Usage

```
load_gerda_web(file_name, verbose = FALSE, file_format = "rds")
```

Arguments

`file_name` A character string specifying the name of the file to load. For a list of available data, see [gerda_data_list](#).

`verbose` A logical value indicating whether to print additional messages to the console. Default is FALSE.

`file_format` A character string specifying the format of the file. Must be either "csv" or "rds". Default is "rds".

Value

A tibble containing the loaded data, or NULL if the data could not be loaded.

Examples

```
data_municipal_harm <- load_gerda_web("municipal_harm", verbose = TRUE, file_format = "rds")
```

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