

Package ‘nistrarr’

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Title Download Data from the NISRA Data Portal

Version 0.1.1

Description Download data from the Northern Ireland Statistics and Research Agency (NISRA) data portal, accessed at <<https://data.nisra.gov.uk>>. NISRA is a government agency and the principal source of official statistics and social research on Northern Ireland.

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URL <https://github.com/MarkPaulin/nistrarr>,
<https://markpaulin.github.io/nistrarr/>

BugReports <https://github.com/MarkPaulin/nistrarr/issues>

Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 4.1.0)

Imports cachem, dplyr, glue, httr2, jsonlite, lubridate, pillar,
purrr, rjstat, rlang (>= 1.1.0), stringr, tibble, vctrs

Suggests ggplot2, knitr, prettyunits, rmarkdown, scales, testthat (>= 3.0.0), vcr (>= 0.6.0)

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

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get_metadata_field	<i>Get metadata</i>
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Description

Retrieve metadata from a dataset, such as contact information, notes, and official statistics status.

Usage

```
get_metadata_field(x, field)
```

```
get_metadata(x)
```

Arguments

x	A nisra_df object created using nisra_read_dataset()
field	The metadata field to read. See details for a list of fields.

Details

Every dataset should have the following metadata fields:

- contact - contact name, email and phone
- copyright - copyright information
- experimental - a flag for experimental statistics
- note - any notes describing the data
- official - a flag for official statistics
- subject - a code and label for the subject
- updated - date

Value

Metadata if the field is found, otherwise NULL

Examples

```
mye <- nisra_read_dataset("MYE01T09")
get_metadata(mye)
get_metadata_field(mye, "contact")
```

nisra_df	Create a nisra_df object
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Description

Create a `nisra_df`, a data-frame with additional metadata. This uses `vctrs::new_data_frame()` to convert the `...` argument to a data-frame.

Usage

```
nisra_df(..., meta = list())
```

Arguments

<code>...</code>	named arguments to convert to columns, or an existing data-frame, or a named list of columns
<code>meta</code>	List of metadata fields

Value

A `nisra_df`, a `tbl_df` with an additional `"nisra_df"` class attribute

nisra_read_dataset	Read NISRA data portal dataset
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Description

Fetch a dataset from the NISRA data portal using the dataset code. You can search for a dataset using `nisra_search()`.

Usage

```
nisra_read_dataset(dataset_code, flush_cache = FALSE)
```

Arguments

<code>dataset_code</code>	Dataset code
<code>flush_cache</code>	Ignore cached values

Value

A tibble with the requested dataset. If `dataset_code` is not found, an error will be thrown.

Examples

```
claimant_count_lgd <- nisra_read_dataset("CCMLGD")
```

nisra_search	<i>Search for a NISRA dataset</i>
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Description

Search the NISRA data portal for a dataset. You can search dataset titles either for a keyword or with a regular expression, using a dataset code, or by variables that appear in dataset. You can also specify how recently the dataset must have been updated.

Usage

```
nisra_search(  
  keyword = NULL,  
  regex = NULL,  
  dataset_code = NULL,  
  variables = NULL,  
  datefrom = NULL,  
  flush_cache = FALSE  
)
```

Arguments

keyword	Text to search for in dataset titles
regex	Regular expression for searching dataset titles
dataset_code	Dataset to find
variables	Variables to search for in datasets
datefrom	Date to search from. Search is limited to datasets updated in the last three months if not specified.
flush_cache	Ignore cached values

Value

A tibble of dataset information matching the search terms. This will include dataset codes, label, frequency, dimensions, and dimensions.

Examples

```
population_datasets <- nisra_search(keyword = "population")  
age_datasets <- nisra_search(variables = "age")
```

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