Package 'statnipokladna'

August 21, 2024

```
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```

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Deprecated: Add codelist data to downloaded data

Description

 $add_codelist$

Deprecated, use sp_add_codelist() instead.

Usage

```
add_codelist(
  data,
  codelist = NULL,
  period_column = .data$vykaz_date,
  redownload = FALSE,
  dest_dir = NULL
)
```

Arguments

data	a data frame returned by sp_get_table().
codelist	The codelist to add. Either a character vector of length one (see sp_tables for possible values), or a data frame returned by sp_get_codelist().
period_column	Unquoted column name of column identifying the data period in data. Leave to default if you have not changed the data object returned by sp_get_table().
redownload	Redownload even if file has already been downloaded? Defaults to FALSE.

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dest_dir

character. Directory in which downloaded files will be stored. If left unset, will use the statnipokladna.dest_dir option if the option is set, and tempdir() otherwise. Will be created if it does not exist.

Details

[Deprecated]

Value

A tibble of same length as data, with added columns from codelist. See Details.

See Also

```
Other Core workflow: get_codelist(), sp_add_codelist(), sp_get_codelist(), sp_get_dataset(), sp_get_table()
```

get_codelist

Deprecated: Get codelist

Description

```
Deprecated: use sp_get_codelist()
```

Usage

```
get_codelist(codelist_id, n = NULL, dest_dir = NULL, redownload = FALSE)
```

Arguments

codelist_id A codelist ID. See id column in sp_codelists for a list of available codelists.

Number of rows to return. Default (NULL) means all. Useful for quickly in-

specting a codelist.

dest_dir character. Directory in which downloaded files will be stored. If left unset, will

use the statnipokladna.dest_dir option if the option is set, and tempdir()

otherwise. Will be created if it does not exist.

redownload Redownload even if file has already been downloaded? Defaults to FALSE.

Details

[Deprecated]

Value

A tibble

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See Also

```
Other Core workflow: add_codelist(), sp_add_codelist(), sp_get_codelist(), sp_get_dataset(), sp_get_table()
```

sp_add_codelist

Add codelist data to downloaded data

Description

Joins a provided codelist, or downloads and processes one if necessary, and adds it to the data.

Usage

```
sp_add_codelist(
  data,
  codelist = NULL,
  period_column = .data$vykaz_date,
  by = NULL,
  redownload = FALSE,
  dest_dir = NULL
)
```

Arguments

data a data frame returned by sp_get_table().

codelist The codelist to add. Either a character vector of length one (see sp_tables for

possible values), or a data frame returned by sp_get_codelist().

period_column Unquoted column name of column identifying the data period in data. Leave to

default if you have not changed the data object returned by sp_get_table().

by character. Columns by which to join the codelist. Same form as for dplyr::left_join() ...

redownload Redownload even if file has already been downloaded? Defaults to FALSE.

dest_dir character. Directory in which downloaded files will be stored. If left unset, will

use the statnipokladna.dest_dir option if the option is set, and tempdir()

otherwise. Will be created if it does not exist.

Details

The data argument should be a data frame produced by sp_get_table() If this is true, the period_column argument is not needed. The codelist argument, if a data frame, should be a data frame produced by sp_get_codelist(). Specifically, it assumes it contains the following columns:

- start_date, a date
- end_date, a date
- column with the code, character usually named the same as the codelist

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#' You can usually tell which codelist you need from the name of the column whose code you are looking to expand, e.g. the codes in column paragraf can be expanded by codelist paragraf.

The function filters the codelist to obtain a set of entries relevant to the time period of data. If data contains tables for multiple periods, this is handled appropriately. Codelist-originating columns in the resulting data frame are renamed so they do not interfere with joining additional codelists, perhaps in a single pipe call.

Note that some codelists are "secondary" and can only be joined onto other codelists. If a codelist does not join using sp_add_codelis(), store the output of sp_get_codelist() and join it manually using dplyr.

Value

A tibble of same length as data, with added columns from codelist. See Details.

See Also

```
Other Core workflow: add_codelist(), get_codelist(), sp_get_codelist(), sp_get_dataset(), sp_get_table()
```

Examples

```
## Not run:
sp_get_table("budget-central", 2017) %>%
    sp_add_codelist("polozka") %>%
    sp_add_codelist("paragraf")

pol <- sp_get_codelist("paragraf")
par <- sp_get_codelist("polozka")

sp_get_table("budget-central", 2017) %>%
    sp_add_codelist(pol) %>%
    sp_add_codelist(par)

## End(Not run)
```

 $sp_codelists$

List of available codelists

Description

Contains IDs and names of all (most) available codelists that can be retrieved by sp_get_codelist.

Usage

```
sp_codelists
```

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Format

A data frame with 27 rows and 2 variables:

id character. ID, used as codelist_id argument in sp_get_codelist.
name character. Short name, mostly corresponds to title used on statnipokladna.cz.

Details

The id is to be used as the codelist_id parameter in sp_get_codelist. See https://monitor.statnipokladna.cz/datovy-katalog/ciselniky for a more detailed descriptions and a GUI for exploring the lists.

See Also

Other Lists of available entities: sp_datasets, sp_tables

sp_datasets

List of available datasets

Description

Contains IDs and names of all available datasets that can be retrieved by get_dataset.

Usage

sp_datasets

Format

A data frame with 9 rows and 3 variables:

id character. Dataset ID, used as dataset_id argument to sp_get_dataset. name character. Dataset name, mostly corresponds to title on the statnipokladna GUI.

Details

See https://monitor.statnipokladna.cz/datovy-katalog/transakcni-data for a more detailed descriptions of the datasets.

See Also

Other Lists of available entities: sp_codelists, sp_tables

sp_get_codelist 7

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Description

Downloads and processes codelist identified by codelist_id. See sp_codelists for a list of of available codelists with their IDs and names.

Usage

```
sp_get_codelist(codelist_id, n = NULL, dest_dir = NULL, redownload = FALSE)
```

Arguments

codelist_id	A codelist ID. See id column in sp_codelists for a list of available codelists.
n	Number of rows to return. Default (NULL) means all. Useful for quickly inspecting a codelist.
dest_dir	character. Directory in which downloaded files will be stored. If left unset, will use the statnipokladna.dest_dir option if the option is set, and tempdir() otherwise. Will be created if it does not exist.
redownload	Redownload even if file has already been downloaded? Defaults to FALSE.

Details

You can usually tell which codelist you need from the name of the column whose code you are looking to expand, e.g. the codes in column paragraf can be expanded by codelist paragraf.

The processing ensures that the resulting codelist can be correctly joined to the data, automatically using sp_add_codelist() or manually. The entire codelist is downloaded and not filtered for any particular date.

Codelist XML files are stored in a temporary directory as determined by tempdir() and persist per session to avoid redownloads.

Value

a tibble

See Also

```
Other Core workflow: add_codelist(), get_codelist(), sp_add_codelist(), sp_get_dataset(), sp_get_table()
```

```
## Not run:
sp_get_codelist("paragraf")
## End(Not run)
```

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Description

This is normally called inside <code>sp_get_codelist()</code> but can be used separately if finer-grained control of intermediate outputs is needed, e.g. in a {targets} workflow.

Usage

```
sp_get_codelist_file(
  codelist_id = NULL,
  url = NULL,
  dest_dir = NULL,
  redownload = FALSE
)
```

Arguments

codelist_id	A codelist ID. See id column in sp_codelists for a list of available codelists.
url	DESCRIPTION. Either this or codelist_id must be set. If both are set, url wins.
dest_dir	character. Directory in which downloaded files will be stored. If left unset, will use the statnipokladna.dest_dir option if the option is set, and tempdir() otherwise. Will be created if it does not exist.
redownload	Redownload even if file has already been downloaded? Defaults to FALSE.

Value

path to XML file; character vector of length one.

See Also

```
Other Detailed workflow: sp_get_codelist_url(), sp_get_dataset_url(), sp_get_table_file(), sp_load_codelist(), sp_load_table()
```

```
## Not run:
sp_get_codelist_file("druhuj")
codelist_url <- sp_get_codelist_url("druhuj")
sp_get_codelist_file(url = codelist_url)
## End(Not run)</pre>
```

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```
sp_get_codelist_url Get URL of a given codelist
```

Description

This is normally called inside sp_get_codelist() but can be used separately if finer-grained control of intermediate outputs is needed, e.g. in a {targets} workflow.

Usage

```
sp_get_codelist_url(codelist_id, check_if_exists = TRUE)
```

Arguments

```
\begin{tabular}{ll} codelist\_id & DESCRIPTION. \\ check\_if\_exists & Whether to check that the URL works (HTTP 200). \\ \end{tabular}
```

Value

character vector of length one containing URL

See Also

```
Other Detailed workflow: sp_get_codelist_file(), sp_get_dataset_url(), sp_get_table_file(), sp_load_codelist(), sp_load_table()
```

Examples

```
## Not run:
sp_get_codelist_url("ucjed", FALSE)
if(FALSE) sp_get_codelist_url("ucjed_wrong", TRUE) # fails, invalid codelist
## End(Not run)
```

sp_get_dataset

Retrieve dataset from statnipokladna

Description

Downloads ZIP archives for a given dataset. If year or month have length > 1, gets all combinations.

sp_get_dataset

Usage

```
sp_get_dataset(
  dataset_id,
  year,
  month = 12,
  dest_dir = NULL,
  redownload = FALSE
)
```

Arguments

dataset_id A dataset ID. See id column in sp_datasets for a list of available datasets

year year, numeric vector of length <= 1 (can take multiple values), 2015-2019 for

some datasets, 2010-2020 for others. Defaults to 2018. (see Details for how to

work with data across time periods.)

month month, numeric vector of length <= 1 (can take multiple values). Must be be
tween 1 and 12. Defaults to 12. (see Details for how to work with data across

time periods.)

dest_dir character. Directory in which downloaded files will be stored. If left unset, will

use the statnipokladna.dest_dir option if the option is set, and tempdir()

otherwise. Will be created if it does not exist.

Redownload even if file has already been downloaded? Defaults to FALSE.

Details

redownload

Files are stored in a temp folder as determined by tempdir() or the dest_dir param or the statnipokladna.dest_dir option. and further sorted into subdirectories by dataset, year and month. If saved to tempdir() (the default), downloaded files per session to avoid redownloads.

How data for different time periods is exported differs by dataset. This has significant implications for how you get to usable full-year numbers or time series in different tables. See vignette("statnipokladna") for details on this.

Value

character string with complete paths to downloaded ZIP archives.

See Also

```
Other Core workflow: add_codelist(), get_codelist(), sp_add_codelist(), sp_get_codelist(), sp_get_table()
```

```
## Not run:
budget_2018 <- sp_get_dataset("finm", 2018)
budget_mid2018 <- sp_get_dataset("finm", 2018, 6)
## End(Not run)</pre>
```

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Description

Downloads XLS file with dataset documentation, or opens link to this file in browser.

Usage

```
sp_get_dataset_doc(dataset_id, dest_dir = NULL, download = TRUE)
```

Arguments

dataset_id dataset ID. See sp_datasets.

dest_dir character. Directory in which downloaded files will be stored. If left unset, will

use the statnipokladna.dest_dir option if the option is set, and tempdir()

otherwise. Will be created if it does not exist.

download Whether to download (the default) or open link in browser.

Value

```
(invisible) path to file if download = TRUE, URL otherwise
```

See Also

```
Other Utilities: sp_get_codelist_viewer()
```

Examples

```
## Not run:
sp_get_dataset_doc("finm")
## End(Not run)
```

```
sp_get_dataset_url
```

Get URL of dataset

Description

Useful for workflows where you want to keep track of URLs and intermediate files, rather than having all steps performed by one function.

Usage

```
sp_get_dataset_url(dataset_id, year, month = 12, check_if_exists = TRUE)
```

sp_get_table_file

Arguments

dataset_id Dataset ID. See id column in sp_datasets for a list of available codelists.

year, numeric vector of length <= 1 (can take multiple values), 2015-2019 for

some datasets, 2010-2020 for others. (see Details for how to work with data

across time periods.)

month month, numeric vector of length <= 1 (can take multiple values). Must be be-

tween 1 and 12. Defaults to 12. (see Details for how to work with data across

time periods.)

check_if_exists

Whether to check that the URL works (HTTP 200).

Value

a character vector of length one, containing a URL

See Also

```
Other Detailed workflow: sp_get_codelist_file(), sp_get_codelist_url(), sp_get_table_file(), sp_load_codelist(), sp_load_table()
```

Examples

```
## Not run:
sp_get_dataset_url("finm", 2018, 6, FALSE)
sp_get_dataset_url("finm", 2029, 6, FALSE) # works but returns invalid URL
if(FALSE) sp_get_dataset_url("finm_wrong", 2018, 6, TRUE) # fails, invalid dataset ID
if(FALSE) sp_get_dataset_url("finm", 2022, 6, TRUE) # fails, invalid time period
## End(Not run)
```

sp_get_table_file

Get path to a CSV file containing a table.

Description

This is normally called inside <code>sp_get_table()</code> but can be used separately if finer-grained control of intermediate outputs is needed, e.g. in a {targets} workflow.

Usage

```
sp_get_table_file(table_id, dataset_path, reunzip = FALSE)
```

Arguments

table_id Table ID; see id column in sp_tables for a list of available codelists.

dataset_path Path to downloaded dataset, as output by sp_get_dataset()

reunzip Whether to overwrite existing CSV files by unzipping the archive downlaoded

by sp_get_dataset(). Defaults to FALSE.

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Value

Character vector of length one - a path.

See Also

```
Other Detailed workflow: sp_get_codelist_file(), sp_get_codelist_url(), sp_get_dataset_url(), sp_load_codelist(), sp_load_table()
```

Examples

```
## Not run:
ds <- sp_get_dataset("rozv", 2018, 12)
sp_get_table_file("balance-sheet", ds)
## End(Not run)</pre>
```

sp_load_codelist

Load codelist into a tibble from XML file

Description

This is normally called inside sp_get_codelist() but can be used separately if finer-grained control of intermediate outputs is needed, e.g. in a {targets} workflow.

Usage

```
sp_load_codelist(path, n = NULL)
```

Arguments

path Path to a file as returned by sp_get_codelist_file()

n Number of rows to return. Default (NULL) means all. Useful for quickly in-

specting a codelist.

Value

a tibble

See Also

```
Other Detailed workflow: sp_get_codelist_file(), sp_get_codelist_url(), sp_get_dataset_url(), sp_get_table_file(), sp_load_table()
```

```
## Not run:
cf <- sp_get_codelist_file("druhuj")
sp_load_codelist(cf)
## End(Not run)</pre>
```

sp_tables

sp_load_table

Load a statnipokladna table from a CSV file

Description

This is normally called inside sp_get_table() but can be used separately if finer-grained control of intermediate outputs is needed, e.g. in a {targets} workflow.

Usage

```
sp_load_table(path, ico = NULL)
```

Arguments

```
path path to a CSV file, as output by sp_get_table_file().

ico Organisation ID to filter by, if supplied.
```

Value

```
a tibble. See help for sp_get_table() for a key to the columns.
```

See Also

```
Other Detailed workflow: sp_get_codelist_file(), sp_get_codelist_url(), sp_get_dataset_url(), sp_get_table_file(), sp_load_codelist()
```

Examples

```
## Not run:
ds <- sp_get_dataset("rozv", 2018, 12)
tf <- sp_get_table_file("balance-sheet", ds)
sp_load_table(tf)
## End(Not run)</pre>
```

sp_tables

List of available tables (PARTIAL)

Description

Contains IDs and names of all available tables that can be retrieved by sp_get_table. Look inside the XLS documentation for each dataset at https://monitor.statnipokladna.cz/datovy-katalog/transakcni-data to see more detailed descriptions. Note that tables do not correspond to the tabulka/vtab attribute of the tables, they represent files inside datasets.

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Usage

sp_tables

Format

A data frame with 2 rows and 4 variables:

id character Table id, used as table_id argument to sp_get_table.

dataset_id integer Table number.

czech_name character Czech name of the table.

note character Note.

See Also

Other Lists of available entities: sp_codelists, sp_datasets

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