

Package ‘sencensus’

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Type Package
Title Access to Senegal Demographic and Census Datasets
Version 0.1.0
Date 2026-09-15
Description Download, cache, and analyze census datasets and demographic statistics from Senegal. Datasets are sourced from public census releases provided by the Agence Nationale de la Statistique et de la Demographie (ANSD) <<https://www.ansd.sn>> and hosted on GitHub releases <<https://github.com/Amady01/sencus>>. Also provides tools to search through variable dictionaries and load tabular demographic indicators.
License MIT + file LICENSE
Encoding UTF-8
RoxygenNote 7.2.3
Imports jsonlite, httr, readr, readxl
URL <https://github.com/Amady01/sencusR>
BugReports <https://github.com/Amady01/sencusR/issues>
NeedsCompilation no
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download	<i>Telecharger un dataset du recensement / Download a census dataset</i>
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Description

Telecharger un dataset du recensement / Download a census dataset

Usage

```
download(dataset_id, force = FALSE)
```

Arguments

dataset_id	L'identifiant du dataset (ex: 2013, "projection") / Dataset identifier (e.g., 2013, "projection")
force	Telecharger meme si le fichier est deja en cache / Logical, whether to force download even if cached

Value

A character string specifying the local file path to the downloaded/cached file (returned invisibly).

Examples

```
download("projection")
```

get_dictionary	<i>Obtenir le dictionnaire des variables / Get the variable dictionary</i>
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Description

Obtenir le dictionnaire des variables / Get the variable dictionary

Usage

```
get_dictionary(year)
```

Arguments

year	L'annee du recensement (ex: 2023) / Census year (e.g., 2023)
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Value

A data.frame containing the variable dictionary (variable codes, labels, and descriptions) for the given census year.

Examples

```
get_dictionary(2023)
```

list_census	<i>Lister les recensements disponibles / List available censuses</i>
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Description

Lister les recensements disponibles / List available censuses

Usage

```
list_census()
```

Value

A data.frame containing the list of available census datasets with columns 'id', 'year', 'name', and 'description'.

Examples

```
list_census()
```

load_dataset	<i>Charger un dataset dans R / Load a dataset into R</i>
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Description

Charger un dataset dans R / Load a dataset into R

Usage

```
load_dataset(dataset_id)
```

Arguments

dataset_id	L'identifiant (ex: 2013, "projection", "coordonnées") / Dataset identifier (e.g., 2013, "projection")
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Value

A data.frame (or tibble) containing the census dataset loaded into memory.

Examples

```
download("projection")
df <- load_dataset("projection")
head(df)
```

search_variables	<i>Chercher des variables dans le dictionnaire / Search variables in dictionary</i>
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Description

Chercher des variables dans le dictionnaire / Search variables in dictionary

Usage

```
search_variables(keyword, year = 2023)
```

Arguments

keyword	Mot-cle a chercher / Search keyword
year	L'annee du recensement (par defaut 2023) / Census year (default 2023)

Value

A data.frame containing the matching variable dictionary rows.

Examples

```
search_variables("ethnie", 2023)
```

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