

Package: csdata (via r-universe)

May 31, 2026

Title Structural Data for Norway

Version 2026.3.30

Description Datasets relating to population in municipalities, municipality/county matching, and how different municipalities have merged/redistricted over time from 2006 to 2024.

URL <https://niphr.github.io/csdata/>, <https://github.com/niphr/csdata>

BugReports <https://github.com/niphr/csdata/issues>

Depends R (>= 3.5.0)

License MIT + file LICENSE

Encoding UTF-8

Imports data.table, stats, utils

Suggests testthat, broom, PxWebApiData, crayon, dplyr, forcats, fs, geojsonio, ggplot2, glue, gt, knitr, lubridate, magrittr, mapproj, methods, ncd4, purrr, readxl, reshape2, rmarkdown, rmapshaper, rstudioapi, stringr, sp, sf, tidyr, zoo

RoxygenNote 7.2.3

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

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

Date/Publication 2026-03-31 10:47:18 UTC

RemoteUrl <https://github.com/niphr/csdata>

RemoteRef HEAD

RemoteSha 9e5a0099888dc04ebfe180ba432f0b79719da5d6

Contents

add_granularity_geo_to_data_set	2
add_iso3_to_data_set	3
config	3

location_code_to_granularity_geo	4
location_code_to_iso3	4
nb	5
nor_locations_hierarchy_from_to	5
nor_locations_names	6
nor_locations_redistricting	7
nor_population_by_age_cats	8
se	9
set_config	10

Index 11

add_granularity_geo_to_data_set
Adds granularity_geo to a given data set

Description

Adds granularity_geo to a given data set

Usage

```
add_granularity_geo_to_data_set(x, location_reference = NULL)
```

Arguments

x A data.table containing a column called "location_code".
location_reference A location reference data.table.

Value

A data.table containing an extra column called "granularity_geo".

Examples

```
library(data.table)
data <- data.table(location_code = c("norge", "county03", "blah"))
csdata::add_granularity_geo_to_data_set(data)
print(data)

library(data.table)
data <- data.table(location_code = c("norge", "county03", "blah"))
csdata::add_granularity_geo_to_data_set(data, location_reference = csdata::nor_locations_names())
print(data)
```

add_iso3_to_data_set *Adds iso3 to a given data set*

Description

Adds iso3 to a given data set

Usage

```
add_iso3_to_data_set(x)
```

Arguments

x A data.table containing a column called "location_code".

Value

A data.table containing an extra column called "iso3".

Examples

```
library(data.table)
data <- data.table(location_code = c("norge", "county03", "blah"))
csdata::add_iso3_to_data_set(data)
print(data)
```

config *An environment containing configuration variables*

Description

Available configuration variables:

- border_nor (default 2024): The year in which Norwegian geographical boundaries were designated. Valid values: 2020, 2024.

Usage

```
config
```

Format

An object of class environment of length 1.

Examples

```
print(ls(csdata::config))
for(i in names(csdata::config)){
  cat(i, ":", csdata::config[[i]], "\n")
}
```

location_code_to_granularity_geo
Convert location_code to granularity_geo

Description

Convert location_code to granularity_geo

Usage

```
location_code_to_granularity_geo(x, location_reference = NULL)
```

Arguments

x Either a vector, or a data.frame/data.table containing a column called "location_code".

location_reference A location reference data.table.

Value

Character vector the same length as x, containing the corresponding granularity_geo.

Examples

```
csdata::location_code_to_granularity_geo(c("nation_nor", "county_nor03"))
```

location_code_to_iso3 *Convert location_code to iso3*

Description

Convert location_code to iso3

Usage

```
location_code_to_iso3(x)
```

Arguments

x Either a vector, or a data.frame/data.table containing a column called "location_code".

Value

Character vector the same length as x, containing the corresponding iso3.

Examples

```
csdata::location_code_to_iso3(c("nation_nor", "county_nor03"))
```

nb	<i>Norwegian characters in unicode</i>
----	--

Description

Norwegian characters in unicode

Usage

```
nb
```

Format

An object of class list of length 6.

Examples

```
print(csdata::nb)
```

nor_locations_hierarchy_from_to	<i>Location hierarchies in Norway</i>
---------------------------------	---------------------------------------

Description

Calculates the relationship between different locations in Norway, according to geographic granularity. For example, which municipalities are inside which counties.

Usage

```
nor_locations_hierarchy_from_to(
  from,
  to,
  include_to_name = FALSE,
  border = csdata::config$border_nor
)
```

Arguments

from	wardoslo, wardbergen, wardtrondheim, wardstavanger, municip, baregion, county, georegion, mtregion, notmainlandmunicip, notmainlandcounty, missingmunicip, missingcounty
to	wardoslo, wardbergen, wardtrondheim, wardstavanger, municip, baregion, county, georegion, mtregion, notmainlandmunicip, notmainlandcounty, missingmunicip, missingcounty
include_to_name	Do you want to include the name of the 'to' location?
border	The year in which Norwegian geographical boundaries were designated (2020, 2024).

Value

Data.table containing the columns:

- from_code
- to_code
- to_name (if include_to_name==TRUE)

Examples

```
csdata::nor_locations_hierarchy_from_to(from="wardoslo", to="county")
csdata::nor_locations_hierarchy_from_to(from="municip", to="baregion")
```

nor_locations_names *All names in Norway*

Description

All names in Norway

Usage

```
nor_locations_names(border = csdata::config$border_nor)
```

Arguments

border	The year in which Norwegian geographical boundaries were designated (2020, 2024).
--------	---

Value

location_code Location code.

location_name Location name.

location_name_short 3 letter location name for nation and county. A shorter location name for wardoslo and extrawardoslo.

location_name_description_nb Location name with additional description.

location_name_file_nb_utf Location name that should be used in file names, with Norwegian characters.

location_name_file_nb_ascii Location name that should be used in file names, without Norwegian characters.

location_order The preferred presentation order.

granularity_geo nation, county, municip, wardoslo, wardbergen, wardstavanger, wardtrondheim, baregion, lab.

Source

https://no.wikipedia.org/wiki/Liste_over_norske_kommunenummer

Examples

```
nor_locations_names()
```

```
nor_locations_redistricting
```

All redistricting in Norway

Description

This function returns a dataset that is used to transfer "original" datasets to the 2020 or 2024 borders.

Usage

```
nor_locations_redistricting(border = csdata::config$border_nor)
```

Arguments

border The year in which Norwegian geographical boundaries were designated (2020, 2024).

Value

location_code_current The location code per today.

location_code_original The location code as of "calyear".

calyear The year corresponding to "county_code_original".

weighting The weighting that needs to be applied.

granularity_geo nation, county, municip, wardbergen, wardoslo, wardstavanger, wardtrondheim, missingwardbergen, missingwardoslo, missingwardstavanger, missingwardtrondheim, notmainlandcounty, notmainlandmunicip, missingcounty

Examples

```
csdata::nor_locations_redistricting()
```

```
nor_population_by_age_cats
```

Population in Norway by categories

Description

A function that easily categorizes the Norwegian population into different age categories.

Usage

```
nor_population_by_age_cats(
  cats = NULL,
  include_total = TRUE,
  include_9999 = FALSE,
  border = csdata::config$border_nor
)
```

Arguments

<code>cats</code>	A list containing vectors that you want to categorize.
<code>include_total</code>	Boolean. Should 'total' be included as an age cat?
<code>include_9999</code>	Boolean. Should the current year is duplicated and added as "calyear==9999". This is in accordance with the cstydy principles regarding <code>granularity_time=="event_*</code> .
<code>border</code>	The year in which Norwegian geographical boundaries were designated (2020, 2024).

Value

A data.table containing the following columns:

- granularity_geo
- location_code
- age (as specified in the argument "cats")
- sex ("total")
- calyear
- pop_jan1_n
- imputed

Examples

```
## Not run:  
nor_population_by_age_cats(cats = list(c(1:10), c(11:20)))  
  
## End(Not run)
```

se

Swedish characters in unicode

Description

Swedish characters in unicode

Usage

```
se
```

Format

An object of class list of length 4.

Examples

```
print(csdata::se)
```

set_config	<i>Set options in the package config</i>
------------	--

Description

Set options in the package config

Usage

```
set_config(border_nor = NULL)
```

Arguments

border_nor	The year in which Norwegian geographical boundaries were designated. Valid values: 2020, 2024.
------------	--

Value

Nothing. Side effect of setting the config environment.

Index

* datasets

config, [3](#)

nb, [5](#)

se, [9](#)

add_granularity_geo_to_data_set, [2](#)

add_iso3_to_data_set, [3](#)

config, [3](#)

location_code_to_granularity_geo, [4](#)

location_code_to_iso3, [4](#)

nb, [5](#)

nor_locations_hierarchy_from_to, [5](#)

nor_locations_names, [6](#)

nor_locations_redistricting, [7](#)

nor_population_by_age_cats, [8](#)

se, [9](#)

set_config, [10](#)