

Package ‘fhidata’

August 29, 2019

Title Structural Data for Norway

Version 2019.8.27

Description Provides structural data for Norway. Datasets relating to maps, population in municipalities, vaccination coverage for childhood vaccines, municipality/county matching, and how different municipalities have merged/redistricted over time from 2006 to 2019.

Depends R (>= 3.5.0)

License GPL-3

Encoding UTF-8

LazyData true

Imports data.table

Suggests testthat, knitr, rmarkdown, geojsonio, broom, rmapshaper, rgeos, mapproj, ggplot2, stringr, glue, lubridate, readxl, zoo, crayon, fs, utils, sp, forcats, ncd4, SDMTools, reshape2

RoxygenNote 6.1.1

VignetteBuilder knitr

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countries_nb_to_en	<i>Country names</i>
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Description

Country names

Usage

countries_nb_to_en

Format

nb Country name in Norwegian bokmal.

en Country name in English.

Source

<http://stat-computing.org/dataexpo/2006/>

days	<i>Dates of different days within isoweekyears</i>
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Description

Dates of different days within isoweekyears

Usage

days

Format

yrwk Isoweek-isoyear.
mon Date of Monday.
tue Date of Tuesday.
wed Date of Wednesday.
thu Date of Thursday.
fri Date of Friday.
sat Date of Saturday.
sun Date of Sunday.

norway_childhood_vax *Childhood vaccination rates in Norway*

Description

We conveniently package vaccine coverage data taken from "Kommunehelsa statistikkbank". This data was last updated on 2019-04-09.

Usage

norway_childhood_vax

Format

year The middle year of a 5 year range (e.g. 2011 is the average of data from 2009-2013).
location_code The location code.
age The population age.
vax The vaccine.
proportion Proportion of people who are vaccinated.
imputed FALSE if real data. TRUE if it is the national average.

Details

This dataset contains national/county/municipality level (5 year average) vaccination coverage rates for 16 year olds for the childhood vaccination program (diphtheria, hpv, measles, mumps, poliomyelitis, pertussis, rubella, tetanus).

Municipalities are updated for the 2019 redistricting.

Source

<http://khs.fhi.no/webview/>

norway_locations_current

Names of areas in Norway that currently exist.

Description

Names of areas in Norway that currently exist.

Usage

norway_locations_current

Format

municip_code Municipality code.

municip_name Municipality name.

county_code County code.

county_name County name.

Source

<https://snl.no/kommunenummer>

norway_locations_long_current

Names of areas in Norway that currently exist.

Description

Names of areas in Norway that currently exist.

Usage

norway_locations_long_current

Format

location_code Location code.

location_name Location name.

Source

<https://snl.no/kommunenummer>

norway_locations_long_original

Names of areas in Norway that previously existed.

Description

Names of areas in Norway that previously existed.

Usage

norway_locations_long_original

Format

location_code Location code.

location_name Location name.

Source

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

norway_locations_original

Names of areas in Norway that previously existed.

Description

Names of areas in Norway that previously existed.

Usage

norway_locations_original

Format

municip_code Municipality code.

municip_name Municipality name.

county_code County code.

county_name County name.

Source

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

norway_map_counties *Maps of Norwegian Counties.*

Description

We conveniently package map datasets for Norwegian counties (taken from Geonorge) that can be used in ggplot2 without needing any geo libraries. This data is licensed under Creative Commons 0.

Usage

```
norway_map_counties
```

Format

long Location code.
lat Location name.
order The order that this line should be plotted in.
hole Geodata. Not used.
piece Geodata. Not used.
group Needs to be used as 'group' aesthetic in ggplot2.
id Non-informative id code.
location_code Location code (county code).

Source

<https://kartkatalog.geonorge.no/metadata/uuid/cb02ab77-d3e6-4500-8a92-ea67367e7734>

Examples

```
library(ggplot2)
q <- ggplot(mapping = aes(x = long, y = lat, group = group, fill = location_code))
q <- q + geom_polygon(data = fhidata::norway_map_counties, color = "black")
q <- q + theme_void()
q <- q + coord_quickmap()
q
```

norway_map_municips *Maps of Norwegian Municipalities*

Description

We conveniently package map datasets for Norwegian municipalities (taken from Geonorge) that can be used in `ggplot2` without needing any geo libraries. This data is licensed under Creative Commons 0.

Usage

```
norway_map_municips
```

Format

long Location code.
lat Location name.
order The order that this line should be plotted in.
hole Geodata. Not used.
piece Geodata. Not used.
group Needs to be used as 'group' aesthetic in `ggplot2`.
id Non-informative id code.
location_code Location code (municipality code).

Source

<https://kartkatalog.geonorge.no/metadata/uuid/cb02ab77-d3e6-4500-8a92-ea67367e7734>

Examples

```
library(ggplot2)
q <- ggplot(mapping = aes(x = long, y = lat, group = group))
q <- q + geom_polygon(data = fhidata::norway_map_municips, color = "black")
q <- q + theme_void()
q <- q + coord_quickmap()
q
```

norway_municip_merging

Redistricting in Norway.

Description

This dataset is used to transfer "original" municipality level datasets to the current redistricting.

Usage

norway_municip_merging

Format

municip_code_current The municipality code per today.

municip_code_original The municipality code as of 'year'.

year The year corresponding to 'municip_code_original'.

municip_name The municipality name per today.

county_code The county code per today.

county_name The county name per today.

region_code The region code per today.

region_name The region name per today.

Details

Last updated 2019-03-14

Source

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

norway_population_current

Population in Norway.

Description

We conveniently package population data taken from Statistics Norway. This data is licensed under the Norwegian Licence for Open Government Data (NLOD) 2.0.

Usage

norway_population_current

Format

year Year.

location_code The location code.

level National/County/Municipality.

age 1 year ages from 0 to 105.

pop Number of people.

imputed FALSE if real data. TRUE if it is the last real data point carried forward.

Details

This dataset contains county/municipality level population data for every age (0 to 105 years old) from 2006, and national data from 1846. The counties and municipalities are updated for the current redistricting.

Source

<https://www.ssb.no/en/statbank/table/07459/tableViewLayout1/>

norway_population_original

Population in Norway.

Description

We conveniently package population data taken from Statistics Norway. This data is licensed under the Norwegian Licence for Open Government Data (NLOD) 2.0.

Usage

norway_population_original

Format

year Year.

location_code The location code.

level National/County/Municipality.

age 1 year ages from 0 to 105.

pop Number of people.

imputed FALSE if real data. TRUE if it is the last real data point carried forward.

Details

This dataset contains national/county/municipality level population data for every age (0 to 105 years old) from 2006. The counties and municipalities are not updated for the current redistricting.

Source

<https://www.ssb.no/en/statbank/table/07459/tableViewLayout1/>

nor_char	<i>Norwegian characters in unicode</i>
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Description

Norwegian characters in unicode

Usage

nor_char

Format

An object of class environment of length 6.

senorge	<i>1x1km grids to Norwegian municipalities</i>
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Description

We classify the 1x1km grids from senorge into municipalities.

Usage

senorge

Format

row The row of the [X,Y,time] matrix.

col The column of the [X,Y,time] matrix.

location_code Municipality code that this 1x1km grid belongs to.

year The year that location_code corresponds to.

Source

http://thredds.met.no/thredds/catalog/senorge/seNorge_2018/Archive/catalog.html

Examples

```
library(ggplot2)
q <- ggplot(mapping = aes(x = long, y = lat, group = group))
q <- q + geom_polygon(data = fhidata::norway_map_municips, color = "black")
q <- q + theme_void()
q <- q + coord_quickmap()
q
```

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