

Package: canadamaps (via r-universe)

August 21, 2024

Type Package

Title Maps of the Political and Administrative Divisions of Canada

Version 0.3.0

URL <https://github.com/pachadotdev/canadamaps/>

BugReports <https://github.com/pachadotdev/canadamaps/issues>

Description Terrestrial maps with simplified topologies for Census Divisions, Agricultural Regions, Economic Regions, Federal Electoral Divisions and Provinces.

License Apache License (>= 2)

Encoding UTF-8

LazyData true

LazyDataCompression xz

Depends R(>= 3.5.0), sf

Imports dplyr, magrittr, rlang

Suggests knitr, rmarkdown, ggplot2, testthat

RoxygenNote 7.3.1

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

RemoteUrl <https://github.com/pachadotdev/canadamaps>

RemoteRef HEAD

RemoteSha d537400f88dc25396f28c72e60b7c3ec10194321

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census_divisions *census_divisions*

Description

Geometries for each Census Division (CD)

Usage

census_divisions

Format

A data frame with 293 observations and 6 variables.

Variables

- `cduid`: Census division number.
- `cdname`: Census division name.
- `cdname`: Census division type (i.e. see the README in the GitHub repository).
- `pruid`: Province number.
- `prname`: Province name.
- `geometry`: Census division shape.

Source

Adapted from official Canadian Census shapefiles.

federal_electoral_districts
federal_electoral_districts

Description

Geometries for each Federal Electoral District (FED)

Usage

federal_electoral_districts

Format

A data frame with 338 observations and 5 variables.

Variables

- feduid: Census division number.
- fedname: Federal electoral district name.
- pruid: Province number.
- prname: Province name.
- geometry: Federal electoral district shape.

Source

Adapted from official Canadian Census shapefiles.

get_agricultural_divisions

Canadian Map at Census Agricultural Region (CAR) Level

Description

This function aggregates the Census Divisions (CD) map to provide the Census Agricultural Region (CAR) map. The idea is to avoid providing a dataset with map that can be obtained as an aggregation of another.

Usage

```
get_agricultural_divisions(map = census_divisions)
```

Arguments

map which map to add, by default it takes the complete Census Divisions (CD) map

Value

a tibble with economic regions, provinces and geometry (multipolygon) fields.

Examples

```
get_agricultural_divisions(  
  census_divisions[census_divisions$prname == "Ontario", ]  
)
```

get_economic_regions *Canadian Map at Economic Region (ER) Level*

Description

This function aggregates the Census Divisions (CD) map to provide the Economic Region (ER) map. The idea is to avoid providing a dataset with map that can be obtained as an aggregation of another.

Usage

```
get_economic_regions(map = census_divisions)
```

Arguments

map which map to add, by default it takes the complete Census Divisions (CD) map

Value

a tibble with economic regions, provinces and geometry (multipolygon) fields.

Examples

```
get_economic_regions(  
  census_divisions[census_divisions$prname == "Ontario", ]  
)
```

get_provinces *Canadian Map at Province (ER) Level*

Description

This function aggregates the Census Divisions (CD) map to provide the Province map. The idea is to avoid providing a dataset with map that can be obtained as an aggregation of another.

Usage

```
get_provinces(map = census_divisions)
```

Arguments

map which map to add, by default it takes the complete Census Divisions (CD) map

Value

a tibble with provinces and geometry (multipolygon) fields.

Examples

```
get_provinces(  
  census_divisions[census_divisions$prname == "Ontario", ]  
)
```

lambert_projection *Project an sf object to the Lambert Conformal Conic projection*

Description

Project an sf object to the Lambert Conformal Conic projection

Usage

```
lambert_projection(tbl, crs_string = NULL)
```

Arguments

`tbl` an sf object
`crs_string` a character string specifying the projection

Value

an sf object

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