

Package ‘canadamaps’

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Type Package

Title Maps of the Political and Administrative Divisions of Canada

Version 0.1

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

Depends R(>= 3.5.0), sf

Imports rmapshaper, dplyr, magrittr, rlang

Suggests knitr, rmarkdown, ggplot2, testthat

RoxygenNote 7.1.2

NeedsCompilation no

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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

- `cdid`: 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.

get_provinces

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Examples

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

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