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.
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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.

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

Examples

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