Package ‘canadamaps’

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Type      Package
Title     Maps of the Political and Administrative Divisions of Canada
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URL       https://github.com/pachadotdev/canadamaps/
BugReports https://github.com/pachadotdev/canadamaps/issues
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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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.

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

```r
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

```r
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",]
)

generate
 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
generate(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",]
)
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