Package 'canadamaps'

October 12, 2022

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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Repository CRAN

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R topics documented:

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",]
)
```

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