Package ‘censusGeography’

August 29, 2016

Type Package
Title Changes United States Census Geographic Code into Name of Location
Version 0.1.0
Depends R (>= 2.10)
Imports qdapTools
Description Converts the United States Census geographic code for city, state (FIP and ICP), region, and birthplace, into the name of the region. e.g. takes an input of Census city code 5330 to it's actual city, Philadelphia. Will return NA for code that doesn't correspond to real location.
License GPL
LazyData TRUE
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**birthplace_census**  
*Census code and location name for Census birthplace locations*

**Description**
A dataset containing the code and location name for every location included in the US Census birthplace list.

**Usage**
birthplace_census

**Format**
A data frame with 533 rows and 2 variables:

- **code**  Census code for the birthplace
- **location**  Name of the state, county, or region corresponding with the code ...

**Source**
https://usa.ipums.org/usa-action/variables/BPL#codes_section

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**censusGeography**  
*Census Geography*

**Description**
Census Geography

**Usage**
censusGeography(dataset = , type = c("city", "stateFIP", "stateICP", "region", "birthplace"))

**Arguments**

- **dataset**  Enter a list, dataframe, or single number, that is the code for a geographic area from the United States Census
- **type**  Choose which geographic level the code is connected with. Options are city, state FIP code, state ICP code, region, and birthplace.

**Value**
Dataframe of two columns. The first column is the name of the location, the second column is the location code (same as the input). If no match, will return NA as location name
Examples

census_city_codes <- c(210L, 2489L, 5350L, 1330L)
censusGeography(census_city_codes, type = "city")

# Input can be character type too
census_city_codes <- c("210", "2489", "5350", "1330")
censusGeography(census_city_codes, type = "city")

censusGeography(42L, type = "region")

# If no match is found, will return NA for location name
censusGeography(0L, type = "region")

census_stateFIP_code <- data.frame(c(1L:4L, c("test", "test2", "test3")))
names(census_stateFIP_code) <- c("code", "character_type_column")
censusGeography(census_stateFIP_code$code, type = "stateFIP")

Description

A dataset containing the code and city name for every city included in the US Census.

Usage

census_city

Format

A data frame with 1168 rows and 3 variables:

Code  Census code for the city
City   Name of the city corresponding with the code
State  Name of the state that the city is in ...

Source

https://usa.ipums.org/usa-action/variables/CITY#codes_section
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### census_region

**Census code and region name for Census region geographies**

**Description**

A dataset containing the code and region name for every region included in the US Census region list.

**Usage**

census_region

**Format**

A data frame with 17 rows and 2 variables:

- **region**  Name of the region corresponding with the code
- **code**  Census code for the region ...

**Source**

[https://usa.ipums.org/usa-action/variables/REGION#codes_section](https://usa.ipums.org/usa-action/variables/REGION#codes_section)

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### stateFIP

**Census code and state name for Census State FIP geographies**

**Description**

A dataset containing the code and state name for every state included in the US Census State FIP list.

**Usage**

stateFIP

**Format**

A data frame with 62 rows and 2 variables:

- **state**  Name of the state corresponding with the code
- **FIP_code**  Census FIP code for the state ...

**Source**

[https://usa.ipums.org/usa-action/variables/STATEFIP#codes_section](https://usa.ipums.org/usa-action/variables/STATEFIP#codes_section)
stateICP

| stateICP | Census code and state name for Census State ICP geographies |

Description

A dataset containing the code and state name for every state included in the US Census State ICP list.

Usage

stateICP

Format

A data frame with 55 rows and 2 variables:

- **state**: Name of the state corresponding with the code
- **ICP_code**: Census ICP code for the state...

Source

https://usa.ipums.org/usa-action/variables/STATEICP#codes_section
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