

Package ‘noncensus’

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Title U.S. Census Regional and Demographic Data

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Description A collection of various regional information determined by the U.S. Census Bureau along with demographic data.

Depends R (>= 2.14)

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URL <https://github.com/ramey/noncensus>, <http://ramhiser.com>

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combined_areas	<i>Combined Statistical Areas (CSAs)</i>
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Description

The U.S. Census Bureau groups counties into CSAs primarily based on county population. NOTE: Not all counties are members of a CSA. For a detailed description, Wikipedia has an excellent discussion: http://en.wikipedia.org/wiki/Combined_Statistical_Area. Also, the following map from Wikipedia is excellent to visualize the areas: http://upload.wikimedia.org/wikipedia/commons/7/7b/Combined_statistical_areas_of_the_United_States_and_Puerto_Rico.gif

Usage

```
data(combined_areas)
```

Format

A data frame with 166 rows and 2 variables.

corebased_areas	<i>Core-based Statistical Area (CBSAs)</i>
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Description

The U.S. Census Bureau groups counties into CBSAs primarily based on county population. NOTE: Not all counties are members of a CBSA. For a detailed description, Wikipedia has an excellent discussion: http://en.wikipedia.org/wiki/Core_Based_Statistical_Area. Also, the following map from Wikipedia is excellent to visualize the areas: http://upload.wikimedia.org/wikipedia/commons/7/7b/Combined_statistical_areas_of_the_United_States_and_Puerto_Rico.gif

Usage

```
data(corebased_areas)
```

Format

A data frame with 917 rows and 4 variables.

counties

Data for U.S. Counties and County-Equivalent Entities

Description

Data containing state and county FIPS codes for U.S. counties and county-equivalent entities (CEE) along with county-level demographic data. The CEE includes non-state locations, such as Puerto Rico (PR) and Guam (GU).

Usage

```
data(counties)
```

Format

A data frame with 3235 rows and 6 variables

Details

- `county_name`. County Name and Legal/Statistical Area Description
- `state`. State Postal Code
- `state_fips`. State FIPS Code
- `county_fips`. County FIPS Code
- `fips_class`. FIPS Class Code
- `CSA`. Combined Statistical Area
- `CBSA`. Core-based Statistical Area
- `population`. County population from 2010 Census

The U.S. Census Bureau groups counties into CSAs and CBSAs primarily based on county population. We provide listings of both in [combined_areas](#) and [corebased_areas](#).

For a detailed description, Wikipedia has excellent discussions of both areas: http://en.wikipedia.org/wiki/Combined_Statistical_Area and http://en.wikipedia.org/wiki/Core_Based_Statistical_Area. Also, the following map from Wikipedia is excellent to visualize the areas: http://upload.wikimedia.org/wikipedia/commons/7/7b/Combined_statistical_areas_of_the_United_States_and_Puerto_Rico.gif

NOTE: Not all counties are members of a CSA or CBSA.

The following details about FIPS Class Codes have been blatantly taken from the Census Bureau's website:

- H1. Identifies an active county or statistically equivalent entity that does not qualify under subclass C7 or H6.
- H4. Identifies a legally defined inactive or nonfunctioning county or statistically equivalent entity that does not qualify under subclass H6.
- H5. Identifies census areas in Alaska, a statistical county equivalent entity.

- H6. Identifies a county or statistically equivalent entity that is areally coextensive or governmentally consolidated with an incorporated place, part of an incorporated place, or a consolidated city.
- C7: Identifies an incorporated place that is an independent city; that is, it also serves as a county equivalent because it is not part of any county, and a minor civil division (MCD) equivalent because it is not part of any MCD.

For more details, see: <http://www.census.gov/geo/reference/codes/cou.html>

noncensus

U.S. Census Region and Demographic Data

Description

The R package noncensus provides a collection of various regional information determined by the U.S. Census Bureau along with demographic data. We have also included scripts to download, process, and load the original data from their sources.

states

Demographic Data and Census Regions of U.S. States and Territories

Description

A dataset containing demographic information and the census regions of each U.S. state as defined by the U.S. Census Bureau. Also included are the U.S. territories, such as Puerto Rico and Guam.

Usage

```
data(states)
```

Format

A data frame with 56 rows and 7 variables

Details

The variables included are:

- state. State abbreviation
- name. State name
- region. Region as defined by the U.S. Census Bureau
- division. Subregion as defined by the U.S. Census Bureau
- capital. Capital city.
- area. Land area in square miles

- population. Population from 2010 Census

The U.S. is divided into four regions:

1. Midwest
2. Northeast
3. South
4. West

Within each region, states are further partitioned into divisions. For more details about census regions, see: http://en.wikipedia.org/wiki/List_of_regions_of_the_United_States#Census_Bureau-designated_regions_and_divisions

Much of the state data was extracted from <http://www.census.gov/popest/data/state/totals/2013/index.html>

zip_codes

Data for U.S. Cities by Zip Code

Description

This data set considers each zip code throughout the U.S. and provides additional information, including the city and state, latitude and longitude, and the FIPS code for the corresponding county.

Usage

```
data(zip_codes)
```

Format

A data frame with 43524 rows and 6 variables

Details

The ZIP code data was obtained from version 1.0 of the [zipcode](#) package on CRAN. The county FIPS codes were obtained by querying the FIPS code from each zip's latitude and longitude via the FCC's Census Block Conversions API. For details regarding the API, see <http://www.fcc.gov/developers/census-block-conversions-api>.

- zip. U.S. ZIP (postal) code
- city. ZIP code's city
- state. ZIP code's state
- latitude. ZIP code's latitude
- longitude. ZIP code's longitude
- fips. County FIPS Code

The FIPS codes are useful for mapping ZIP codes and cities to counties in the [counties](#) data set.

Fun fact: ZIP is an acronym for "Zone Improvement Plan."

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