Package: USAboundariesData (via r-universe)

October 29, 2026

Type Package

Title Datasets for the 'USAboundaries' package

Version 0.5.1

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Description Contains datasets, including higher resolution boundary data, for use in the 'USAboundaries' package. These datasets come from the U.S. Census Bureau, the Newberry Library's 'Historical Atlas of U.S. County Boundaries', and Erik Steiner's 'United States Historical City Populations, 1790-2010'.

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LazyData TRUE

LazyDataCompression xz

URL https://docs.ropensci.org/USAboundaries, https://github.com/ropensci/USAboundariesdata

BugReports https://github.com/ropensci/USAboundariesData/issues

Depends R (>= 3.5)

Encoding UTF-8

RoxygenNote 7.3.3

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Repository https://ropensci.r-universe.dev

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`ahcb_boundaries` *Historical state and county boundaries for the United States of America*

Description

These datasets contain polygons for historical boundaries in the United States. These boundaries are taken from the Atlas of Historical County Boundaries. State boundaries cover the period from 1783 to 2000, and county boundaries cover the period from 1629 to 2000. The attribute data includes of the changes to the boundaries and the dates with which they valid. For a full description of all of the columns in the data frame, see the documentation in the zip files provided by AHCB. The datasets are objects of class `sf` from the sf package. They are intended to be used with the functions in the `USAboundaries` package, but the data objects can also be used on their own. The data attributes associated with these boundaries are unchanged from what is available in the AHCB shapefiles files, with the exception that `state_name`, `state_abbreviation`, and `state_code` columns have been added where necessary for convience in filtering the boundaries.

Details

The high resolution boundaries have been generalized to a .01 degree tolerance (1:2,500,000; 1 inch = 39 miles). The low resolution boundaries have been generalized to a .05 degree tolerance (1:12,500,000; 1 inch = 197 miles). See the AHCB website for higher-resolution shapefiles.

See the USAboundaries package for low-resolution state boundaries and for the functions to access this data.

Source

John H. Long, et al., *Atlas of Historical County Boundaries*, Dr. William M. Scholl Center for American History and Culture, The Newberry Library, Chicago (2010), `http://publications.newberry.org/ahcbp/`.

See also the AHCB's about page.

census_boundaries *Cartographic boundary files from the U.S. Census Bureau*

Description

The U.S. Census Bureau provides cartographic boundary files for current U.S. boundaries. The datasets in this package provide a selection of boundaries from the 2024 Census files. They are objects of class `sf` from the sf package. They are intended to be used with the functions in the `USAboundaries` package, but the data objects can also be used on their own. The data attributes associated with these boundaries are unchanged from what is available in the Census boundary files, with the exception that `state_name` and `state_abbreviation` columns have been added where necessary for convience in filtering the boundaries.

Details

The following objects are included in this package:

congress_contemporary_hires Congressional district boundaries for the 119th Congress, 1:500k resolution.

congress_contemporary_lores Congressional district boundaries for the 119th Congress, 1:20m resolution.

counties_contemporary_hires County boundaries, 1:500k resolution.

counties_contemporary_lores County boundaries, 1:20m resolution.

states_contemporary_hires State boundaries, 1:500k resolution.

zipcodes Centroids of Zip Code Tabulation Areas (2019).

See the USAboundaries package for low-resolution state boundaries and for the functions to access this data.

References

U.S. Census Bureau, Cartographic Boundary Shapefiles (2024).

See the U.S. Census Bureau's "Understanding Geographic Identifiers (GEOIDs)" and their "Geographic Codes" pages for the details of this attribute data.

census_cities *Historical population data for U.S. cities*

Description

This sf object contains historical population data for U.S. cities with latitudes and longitudes of the cities. The data is drawn from the U.S. Census. The data was compiled by Erik Steiner and Jason Heppler at the Center for Spatial and Textual Analysis, Stanford University. See their description of the data for a fuller accounting of how the data was gathered.

Usage

```
census_cities
```

Format

An object of class sf (inherits from tbl_df, tbl, data.frame) with 62197 rows and 13 columns.

References

U.S. Census Bureau and Erik Steiner, "United States Historical City Populations, 1790-2010," Spatial History Project, Center for Spatial and Textual Analysis, Stanford University, https://github.com/cestastanford/historical-us-city-populations/.

USAboundariesData *USAboundariesData*

Description

Provides datasets for the 'USABoundaries' package.

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