

Package ‘USAboundaries’

January 27, 2015

Type Package

Title Historical Boundaries of the United States of America, 1629-2000

Date 2014

Version 0.1.1

Description This package provides spatial objects with the boundaries of states or counties in the United States of America from 1629 to 2000. It provides data from the Atlas of Historical County Boundaries.

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LazyData true

LazyDataCompression xz

URL <https://github.com/ropensci/USAboundaries>

BugReports <https://github.com/ropensci/USAboundaries/issues>

Depends R (>= 3.1.1),

Imports assertthat (>= 0.1), dplyr (>= 0.3.0.1), ggplot2 (>= 1.0.0),
lubridate (>= 1.3.3), maptools (>= 0.8-30), rgeos (>= 0.3-8),
sp (>= 1.0.15)

Suggests knitr, mapproj, testthat (>= 0.9.1)

VignetteBuilder knitr

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NeedsCompilation no

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hist_us_counties	<i>Boundaries of counties in the United States of America, 1629–2000</i>
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Description

This dataset contains polygons for all of the county boundaries in the United States or colonies that became the United States from 1629 to 2000. The dataset includes a data frame with descriptions of the changes to the boundaries and the dates with which they valid.

Usage

```
data(hist_us_counties)
```

Format

A SpatialPolygonsDataFrame with 17,727 elements

Details

- start_date, end_date, start_n, end_n, start_posix, end_posix: The start and end dates for which a polygon is valid. Columns ending in _date are factors, those ending in _n are integers in yyyymmdd format, those ending in _posix are R date objects.
- fips: The county's FIPS code, when available.

Slots

data A data frame with information about the boundaries. For a full description of all of the columns in the data frame, see the [documentation in the zip files](#) provided by AHCB. Some of the most important columns are listed below.

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](#).

hist_us_states	<i>Boundaries of states in the United States of America, 1783–2000</i>
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Description

This dataset contains polygons for all of the state boundaries in the United States from 1783 to 2000. The dataset includes a data frame with descriptions of the changes to the boundaries and the dates with which they valid.

Usage

```
data(hist_us_states)
```

Format

A SpatialPolygonsDataFrame with 220 elements

Details

- `start_date`, `end_date`, `start_n`, `end_n`, `start_posix`, `end_posix`: The start and end dates for which a polygon is valid. Columns ending in `_date` are factors, those ending in `_n` are integers in `yyyymmdd` format, those ending in `_posix` are R date objects.

Slots

`data` A data frame with information about the boundaries. For a full description of all of the columns in the data frame, see the [documentation in the zip files](#) provided by AHCB. Some of the most important columns are listed below.

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](#).

USAboundaries	<i>USAboundaries: Historical boundaries of the United States of America, 1629-2000</i>
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Description

This package provides spatial objects with the boundaries of states or counties in the United States of America from 1629 to 2000. It provides data from the [Atlas of Historical County Boundaries](#).

Details

The copyright to the data used in this package is owned by the Newberry Library, and it is included in this package under the terms of the [Creative Commons Attribution-NonCommercial-ShareAlike 2.5 Generic](#) (CC BY-NC-SA 2.5) license.

See Also

us_boundaries

us_boundaries	<i>Get the boundaries of the United States for a particular date</i>
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Description

This function returns

Usage

```
us_boundaries(map_date, type = c("state", "county"), format = c("sp", "df"),
              states)
```

Arguments

map_date	The date of the map as an object of class POSIXct, POSIXt, or Date. For state maps the date must be between 3 September 1783 and 31 December 2000; for county maps the date must be between 30 December 1636 and 31 December 2000.
type	The type of the map, either "state" or "county".
format	The class of the object returned, either "sp" or "df", a fortified data frame.
states	A character vector of state or territory names.

Value

A sp object or a data frame suitable for plotting.

Examples

```
map_states <- us_boundaries(as.Date("1850-07-04"))
map_counties <- us_boundaries(as.Date("1850-07-04"), type = "county")
new_england <- c("Massachusetts", "Vermont", "New Hampshire", "Connecticut",
               "Rhode Island", "Maine")
map_ne <- us_boundaries(as.Date("1943-02-12"), states = new_england)
if(require(sp)) {
  plot(map_states)
  plot(map_ne)
}
```

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*Topic **dataset**

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