

Package ‘pollstR’

July 25, 2016

Title Client for the HuffPost Pollster API

Description Client for the HuffPost Pollster API, which provides access to U.S. opinion polls since 2004.

Version 1.4.0

Date 2016-07-24

Depends R (>= 3.0.3)

Imports dplyr, httr, jsonlite, purrr, readr, stringr, tibble

Suggests knitr, ggplot2, rmarkdown, testthat, tidyr

URL <https://github.com/rOpenGov/pollstR>

BugReports <https://github.com/rOpenGov/pollstR/issues>

VignetteBuilder knitr

License GPL-2

LazyLoad yes

LazyData true

RoxygenNote 5.0.1

NeedsCompilation no

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Repository CRAN

Date/Publication 2016-07-25 00:47:18

R topics documented:

pollster_chart	2
pollster_charts	3
pollster_chart_data	4
pollster_house_effects	5
pollster_polls	5
pollstR	7

pollster_chart	<i>Return a single chart</i>
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Description

Return a single chart. This includes both current and historical estimates by date.

Usage

```
pollster_chart(slug, convert = TRUE)
```

```
pollstr_chart(slug, convert = TRUE)
```

Arguments

slug	The slug-name of the chart to be returned.
convert	Rearrange the data returned by the API into easier to use data frames.

Value

If convert=TRUE, then a "pollster_chart" object with elements

- id ID number of the chart.
- title Title of the chart.
- slug Slug (URL-friendly title) of the chart.
- topic Topic of the chart.
- state State of the chart, if it relates to a state.
- short_title Short title of the chart.
- election_date Election date, if the chart relates to an election).
- poll_count Number of polls in the chart.
- last_updated Time the chart was last updated.
- url URL of the chart.
- estimates A data frame with an observation for each choice and the current estimates.
- estimates_by_date A data frame with an observation for each choice at each date, with estimates.

Otherwise, a "list" in the original structure of the json returned by the API.

References

<http://elections.huffingtonpost.com/pollster/api>

Examples

```
## Not run:
chart <- pollster_chart('2016-general-election-trump-vs-clinton')
chart

## End(Not run)
```

pollster_charts *Get list of available charts*

Description

Get list of available charts

Usage

```
pollster_charts(page = 1, topic = NULL, state = NULL, showall = NULL,
  convert = TRUE, max_pages = 1)

pollstr_charts(page = 1, topic = NULL, state = NULL, showall = NULL,
  convert = TRUE, max_pages = 1)
```

Arguments

page	Page to get. The API returns results in pages of 100.
topic	Only include charts related to a specific topic. See http://elections.huffingtonpost.com/pollster/api for examples.
state	Only include charts from a single state. Use 2-letter state abbreviations. "US" will return all national charts.
showall	logical Include charts for races that were once possible but didn't happen (e.g. Gingrich vs. Obama 2012)
convert	Rearrange the data returned by the API into easier to use data frames.
max_pages	Maximum number of pages to get.

Value

If convert=TRUE, a "pollster_charts" object with elements

charts Data frame with data on charts.

estimates Data frame with current estimates from each chart. The column slug matches this data frame to charts

Otherwise, a "list" in the original structure of the json returned by the API.

References

<http://elections.huffingtonpost.com/pollster/api>

Examples

```
## Not run:
# Get charts related to Washington
pollster_charts(state = 'WA')
# Get national charts
pollster_charts(state='US')
# Get charts for the topic '2016-president'
pollster_charts(topic = '2016-president')
# Get all charts
pollster_charts()
# By default, this only returns the first 100 charts, to get more
# set max_pages higher. Use Inf, to ensure you get all.
pollster_charts(topic = '2016-president', max_pages = Inf)

## End(Not run)
```

pollster_chart_data *Pollster Charts (table)*

Description

This function returns the poll data from a Pollster chart in a convenient tabular form.

Usage

```
pollster_chart_data(slug)
```

Arguments

slug The slug of the chart, e.g. "012-general-election-romney-vs-obama.csv".

Value

A data frame with the chart data.

Examples

```
## Not run:
chart <- pollster_chart_data()
chart

## End(Not run)
```

pollster_house_effects

House Effects

Description

For each chart, Pollster estimates house effects for each pollster, which is roughly the average difference between the polls of a pollster and the average of all the polls. This is not officially part of the Pollster API.

Usage

```
pollster_house_effects(slug)
```

Arguments

slug The slug of the chart

Value

A data frame

Examples

```
## Not run:  
pollster_house_effects("2016-general-election-trump-vs-clinton")  
  
## End(Not run)
```

pollster_polls

Get a list of polls

Description

Get a list of polls

Usage

```
pollster_polls(page = 1, chart = NULL, state = NULL, topic = NULL,  
question = NULL, before = NULL, after = NULL, sort = FALSE,  
showall = NULL, max_pages = 1, convert = TRUE)
```

```
pollstr_polls(page = 1, chart = NULL, state = NULL, topic = NULL,  
question = NULL, before = NULL, after = NULL, sort = FALSE,  
showall = NULL, max_pages = 1, convert = TRUE)
```

Arguments

page	Return page number
chart	List polls related to the specified chart. Chart names are the slug returned by pollster_charts.
state	Only include charts from a single state. Use 2-letter pstate abbreviations. "US" will return all national charts.
topic	Only include charts related to a specific topic. See the http://elections.huffingtonpost.com/pollster/api for examples.
question	Only include charts that ask the specified question.
before	Only list polls that ended on or bfore the specified date.
after	Only list polls that ended on or bfore the specified date.
sort	If TRUE, then sort polls by the last updated time.
showall	Include polls for races that were once possible but didn't happen (e.g. Gingrich vs. Obama 2012)
max_pages	Maximum number of pages to get.
convert	Rearrange the data returned by the API into easier to use data frames.

Value

If convert=TRUE, a "pollster_polls" object with elements

polls A data.frame with entries for each poll.

questions A data.frame with entries for each question asked in the polls.

survey_houses A data.frame with the survey houses of the polls. There can be multiple survey houses for a poll.

sponsors A data.frame with the sponsors of the polls. Not all polls have sponsors.

Otherwise, a "list" in the original structure of the json returned by the API.

References

<http://elections.huffingtonpost.com/pollster/api>

Examples

```
## Not run:
# Get recent polls
pollster_polls()
# Get polls in a certain date range
pollster_polls(before = '2017-03-01', after = '2016-01-01')
# By default, this only returns the first page,
# to get all pages use max_pages = Inf
pollster_polls(topic = '2016-president', max_pages = Inf)
# Get polls related to a state
pollster_polls(topic = 'WA')
# Lookup polls related to a specific topic
```

```
pollster_polls(topic = '2016-president')  
  
## End(Not run)
```

pollstR

R client for the Huffpost Pollster API

Description

This package provides an R interface to the Huffington Post Pollster API. Pollster provides programmatic access to opinion polls collected by the Huffington Post.

Details

See <http://elections.huffingtonpost.com/pollster/api> for more details on the API.

Index

`pollster_chart`, [2](#)
`pollster_chart_data`, [4](#)
`pollster_charts`, [3](#)
`pollster_house_effects`, [5](#)
`pollster_polls`, [5](#)
`pollstR`, [7](#)
`pollstR-package` (`pollstR`), [7](#)
`pollstr_chart` (`pollster_chart`), [2](#)
`pollstr_charts` (`pollster_charts`), [3](#)
`pollstr_polls` (`pollster_polls`), [5](#)