

Package ‘pollstR’

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Title Client for the HuffPost Pollster API

Description Client for the HuffPost Pollster API, which provides access to U.S. polls on elections and political opinion.

Version 2.0.1

Depends R (>= 3.0.3)

Imports htr, lubridate, purrr, stringr

Suggests dplyr, ggplot2, jsonlite, knitr, readr, rmarkdown, tidyr

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

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

VignetteBuilder knitr

License GPL-2

LazyLoad yes

LazyData true

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NeedsCompilation no

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pollster_api

*Make Huffpost Poster API request***Description**

The function `pollster_api` is the lower-level function for making a request to the Huffpost Pollster API. There is also a function for each methods provided by the API.

Usage

```
pollster_api(path, query = NULL, version = "v2", response_type = NULL,
  as = "parsed", ...)
```

```
pollster_polls(cursor = NULL, tags = NULL, question = NULL,
  sort = c("created_at", "updated_at"), ...)
```

```
pollster_polls_slug(slug, ...)
```

```
pollster_questions(cursor = NULL, tags = NULL, election_date = NULL, ...)
```

```
pollster_questions_slug(slug, ...)
```

```
pollster_questions_responses_clean(slug, ...)
```

```
pollster_questions_responses_raw(slug, ...)
```

```
pollster_charts(cursor = NULL, tags = NULL, election_date = NULL, ...)
```

```
pollster_charts_slug(slug, ...)
```

```
pollster_charts_polls(slug, ...)
```

```
pollster_charts_trendlines(slug, ...)
```

```
pollster_tags(...)
```

Arguments

<code>path</code>	The API endpoint, as a character vector. If the length is greater than one, the elements will be collapsed and separated by <code>"/"</code> .
<code>query</code>	Query parameters as a list.
<code>version</code>	The API version.
<code>response_type</code>	Response content type. One of <code>"json"</code> , <code>"tsv"</code> , or <code>"xml"</code> . Some endpoints are json/xml, and some are tsv.
<code>as</code>	Passed to <code>content</code> .

...	Arguments passed to GET .
cursor	Special string used to handle pagination.
tags	Character vector of tag names.
question	Question slug.
sort	Sort order of polls.
slug	Unique identifier for the poll or question or chart.
election_date	A date object or a string in "YYYY-MM-DD" format for the election date.

Value

A `pollster_api` object which is a list with elements

- `content`: The parsed content of the response,
- `url`: The URL of the request,
- `response`: The request object returned by [GET](#).

Functions

- `pollster_polls`: Get polls. See [API docs](#).
- `pollster_polls_slug`: Get a single poll. See [API docs](#).
- `pollster_questions`: Get questions. See [API docs](#).
- `pollster_questions_slug`: Get a poll question. See [API Docs](#).
- `pollster_questions_responses_clean`: Get a table where each row is a single poll question + subpopulation and columns are response labels. See [API Docs](#).
- `pollster_questions_responses_raw`: Get a table where each row is single poll question + subpopulation + response. See [API Docs](#).
- `pollster_charts`: Return a list of charts. See https://app.swaggerhub.com/swagger-ui#!/default/get_charts API Docs.
- `pollster_charts_slug`: Get a chart. See https://app.swaggerhub.com/swagger-ui#!/default/get_charts_slug API Docs.
- `pollster_charts_polls`: Get table with one row per poll used in a chart. See [API Docs](#).
- `pollster_charts_trendlines`: Get table with the trendline estimates used in a chart. See [API Docs](#).
- `pollster_tags`: Return the list of tags used in polls, questions, and charts. See [API Docs](#).

pollster_iter *Fetch multiple pages*

Description

For Pollster methods that return results in pages (those with a cursor argument), iterate over multiple pages.

Usage

```
pollster_iter(.f, ..., cursor = NULL, .max_pages = 1, .debug = FALSE)
```

```
pollster_charts_iter(cursor = NULL, tags = NULL, election_date = NULL,
  .max_pages = 1, ...)
```

```
pollster_questions_iter(cursor = NULL, tags = NULL, election_date = NULL,
  .max_pages = 1, ...)
```

```
pollster_polls_iter(cursor = NULL, tags = NULL, question = NULL,
  sort = c("created_at", "updated_at"), .max_pages = 1, ...)
```

Arguments

.f	A pollster function for an endpoint that uses a cursor.
...	Arguments for .f
cursor	Special string used to handle pagination.
.max_pages	The maximum number of pages to fetch.
.debug	If TRUE prints the url and cursor number while fetching the pages.
tags	Character vector of tag names.
election_date	A date object or a string in "YYYY-MM-DD" format for the election date.
question	Question slug.
sort	Sort order of polls.

Value

A list of the results.

Functions

- `pollster_charts_iter`: Return a list of charts. See https://app.swaggerhub.com/swagger-ui#!/default/get_charts API Docs. This is the paginated version of `pollster_charts`.
- `pollster_questions_iter`: Get a question. This is the paginated form of `pollster_questions`.
- `pollster_polls_iter`: Get polls. This function is the paginated version of `pollster_polls`.

pollstR

R client for the HuffPost Pollster API

Description

This package provides an R interface to the HuffPost Pollster API v2. [Huffpost Pollster](#) tracks and aggregates thousands of public polls on US elections and political opinions. The [Huffpost Pollster API](#) provides programmatic access to that data. See [API Documentation](#) for the complete documentation of the API.

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