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.
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pollster_api

Make HuffPost Pollster 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 method provided by the API.

**Usage**

```r
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**

- **path**
  - The API endpoint, as a character vector. If the length is greater than one, the elements will be collapsed and separated by "/".

- **query**
  - Query parameters as a list.

- **version**
  - The API version.

- **response_type**
  - Response content type. One of "json", "tsv", or "xml". Some endpoints are json/xml, and some are tsv.

- **as**
  - Passed to `content`.
pollster_api

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 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_chartsAPI Docs.
- `pollster_charts_slug`: Get a chart. See https://app.swaggerhub.com/swagger-ui#!/default/get_charts_slugAPI 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 hrefhttps://app.swaggerhub.com/swagger-ui#!/default/get_chartsAPI 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*

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**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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