

Package ‘votesmart’

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Type Package

Title Wrapper for the Project 'VoteSmart' API

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Description An R interface to the Project 'VoteSmart' <<https://justfacts.votesmart.org/>> API.

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URL <https://github.com/decktools/votesmart/>

BugReports <https://github.com/decktools/votesmart/issues/>

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candidates_get_by_lastname

Get candidate data by last name

Description

Get candidate data by last name

Usage

```

candidates_get_by_lastname(
  last_names,
  election_years = lubridate::year(lubridate::today()),
  stage_ids = "",
  all = TRUE,
  verbose = TRUE
)

```

Arguments

last_names	Vector of candidate last names
election_years	Vector of election years. Default is the current year.
stage_ids	The stage_id of the election ("P" for primary or "G" for general). See also election_get_election_by_year_state .
all	Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
verbose	Should cases when no data is available be messaged?

Value

A dataframe of candidates and their attributes. If a given last_name + election_year + stage_id combination returns no data, that row will be filled with NAs.

Examples

```
## Not run:
candidates_get_by_lastname(c("Ocasio-Cortez", "Omar"), 2018)

## End(Not run)
```

candidates_get_by_levenshtein

Get candidate data by Levenshtein distance from last name

Description

From the API docs, <http://api.votesmart.org/docs/Candidates.html>, "This method grabs a list of candidates according to a fuzzy lastname match."

Usage

```
candidates_get_by_levenshtein(
  last_names,
  election_years = lubridate::year(lubridate::today()),
  stage_ids = "",
  all = TRUE,
  verbose = TRUE
)
```

Arguments

last_names	Vector of candidate last names
election_years	Vector of election years. Default is the current year.
stage_ids	The stage_id of the election ("P" for primary or "G" for general). See also election_get_election_by_year_state .
all	Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
verbose	Should cases when no data is available be messaged?

Details

The actual Levenshtein distance of the result from the last_name provided is not available from the API.

Value

A dataframe of candidates and their attributes. If a given last_name + election_year + stage_id combination returns no data, that row will be filled with NAs.

Examples

```
## Not run:
candidates_get_by_levenshtein(c("Bookr", "Klobucar"), 2020)

## End(Not run)
```

candidates_get_by_office_state

Get candidates by the state in which they hold office

Description

Get candidates by the state in which they hold office

Usage

```
candidates_get_by_office_state(
  state_ids = NA,
  office_ids,
  election_years = lubridate::year(lubridate::today()),
  all = TRUE,
  verbose = TRUE
)
```

Arguments

state_ids	Optional: vector of state abbreviations. Default is NA, for national elections.
office_ids	Required: vector of office ids that candidates hold. See office_get_levels and office_get_offices_by_level for office ids.
election_years	Optional: vector of election years in which the candidate held office. Default is the current year.
all	Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
verbose	Should cases when no data is available be messaged?

Value

A dataframe of candidates and their attributes. If a given state_id + office_id + election_year combination returns no data, that row will be filled with NAs.

Examples

```
## Not run:
candidates_get_by_office_state(
  state_ids = c(NA, "NY", "CA"),
  office_ids = c("1", "6"),
  verbose = TRUE
)

## End(Not run)
```

election_get_election_by_year_state

Get election info by election year and state

Description

Get election info by election year and state

Usage

```
election_get_election_by_year_state(
  years = lubridate::year(lubridate::today()),
  state_ids = "",
  all = TRUE,
  verbose = TRUE
)
```

Arguments

years	A vector of election years.
state_ids	A vector of state abbreviations.
all	Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
verbose	Should cases when no data is available be messaged?

Value

A dataframe of candidates and their attributes. If a given year + state_id returns no data, that row will be filled with NAs.

Examples

```
## Not run:
election_get_election_by_year_state(years = c(2016, 2017))

## End(Not run)
```

endpoint_input_mapping

Endpoint-Input Mapping

Description

Unnested tibble containing the mapping between each endpoint, the inputs it takes, and whether those inputs are required. One or more input rows per endpoint.

Usage

```
endpoint_input_mapping
```

Format

A tibble with 108 rows and 3 variables:

endpoint name of the API endpoint

input one or multiple inputs that can be used in the request to that endpoint

required boolean: whether that input is required for that endpoint

Source

<http://api.votesmart.org/docs/>

endpoint_input_mapping_nested

Nested Endpoint-Input Mapping

Description

Nested tibble containing the mapping between each endpoint, the inputs it takes, and whether those inputs are required.

Usage

```
endpoint_input_mapping_nested
```

Format

A tibble with 70 rows and 2 variables:

endpoint name of the API endpoint

inputs a list column containing one or more inputs and a boolean indicating whether they are required for that endpoint. Can be unnested with `tidyr::unnest`

Source

<http://api.votesmart.org/docs/>

measure_get_measures *Get information on a ballot measure*

Description

Ballot measure ids can be found with the [measure_get_measures_by_year_state](#) function.

Usage

```
measure_get_measures(measure_ids, verbose = TRUE)
```

Arguments

measure_ids Vector of ballot measure ids.
verbose Should cases when no data is available be messaged?

Value

A dataframe with the columns measure_id, measure_code, title, election_date, election_type, outcome, yes_votes

Examples

```
## Not run:  
measure_get_measures("1234")  
  
## End(Not run)
```

measure_get_measures_by_year_state
Get a dataframe of ballot measures by year and state

Description

More information about these ballot measures can be found using the [measure_get_measures](#) function.

Usage

```
measure_get_measures_by_year_state(  
  years = lubridate::year(lubridate::today()),  
  state_ids = state.abb,  
  all = TRUE,  
  verbose = TRUE  
)
```

Arguments

years	A vector of election years.
state_ids	A vector of state abbreviations.
all	Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
verbose	Should cases when no data is available be messaged?

Value

A dataframe of ballot measures and their attributes. If a given year + state_id returns no data, that row will be filled with NAs.

Examples

```
## Not run:  
measure_get_measures_by_year_state(years = c(2016, 2018), state_ids = c("MO", "IL", "VT"))  
  
## End(Not run)
```

office_get_levels *Get office levels*

Description

These are currently: F for Federal, S for State, and L for Local.

Usage

```
office_get_levels()
```

Value

A dataframe with the columns office_level_id and name.

Examples

```
## Not run:  
office_get_levels()  
  
## End(Not run)
```

office_get_offices_by_level
Get offices by level

Description

Get offices by level

Usage

```
office_get_offices_by_level(office_level_ids)
```

Arguments

```
office_level_ids  
    Vector of office levels.
```

Value

A dataframe with columns office_id, name, title, office_level_id, office_type_id, office_branch_id, short_title

Examples

```
## Not run:  
office_get_offices_by_level("F")  
  
office_get_levels() %>%  
  pull(office_level_id) %>%  
  .[1] %>%  
  office_get_offices_by_level()  
  
## End(Not run)
```

rating_get_candidate_ratings
Get SIG (Special Interest Group) ratings for candidates

Description

Get SIG (Special Interest Group) ratings for candidates

Usage

```
rating_get_candidate_ratings(  
  candidate_ids,  
  sig_ids = "",  
  all = TRUE,  
  verbose = TRUE  
)
```

Arguments

candidate_ids A vector of candidate ids.
sig_ids A vector of SIG ids. Default is "" for all SIGs.
all Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
verbose Should cases when no data is available be messaged?

Value

A dataframe with the columns rating_id, candidate_id, sig_id, rating, rating_name, timespan, categories, rating

Examples

```
## Not run:  
pelosi_id <- "26732"  
rating_get_candidate_ratings(pelosi_id)  
  
## End(Not run)
```

rating_get_categories *Get categories that contain ratings by state*

Description

Get categories that contain ratings by state

Usage

```
rating_get_categories(state_ids = NA)
```

Arguments

state_ids A vector of state abbreviations. Defaults to NA for national.

Value

A dataframe with columns category_id, name, state_id.

Examples

```
## Not run:  
rating_get_categories("NM")  
  
## End(Not run)
```

rating_get_sig	<i>Get information on a SIG (Special Interest Group) by its ID</i>
----------------	--

Description

Get information on a SIG (Special Interest Group) by its ID

Usage

```
rating_get_sig(sig_ids, verbose = TRUE)
```

Arguments

sig_ids	Vector of SIG ids.
verbose	Should cases when no data is available be messaged?

Value

A dataframe with the columns sig_id, name, description, state_id, address, city, state, zip, phone_1, phone_2, fax

Examples

```
## Not run:  
rating_get_sig_list(2) %>%  
  dplyr::pull(sig_id) %>%  
  sample(3) %>%  
  rating_get_sig()  
  
## End(Not run)
```

rating_get_sig_list	<i>Get SIG (Special Interest Group) list by category and state</i>
---------------------	--

Description

Get SIG (Special Interest Group) list by category and state

Usage

```
rating_get_sig_list(category_ids, state_ids = NA, all = TRUE, verbose = TRUE)
```

Arguments

category_ids	Vector of category ids.
state_ids	Vector of state abbreviations. Default NA for national.
all	Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
verbose	Should cases when no data is available be messaged?

Value

A dataframe with the columns sig_id, name, category_id, state_id.

Examples

```
## Not run:
rating_get_categories() %>%
  dplyr::pull(category_id) %>%
  sample(3) %>%
  rating_get_sig_list()

## End(Not run)
```

votes_get_by_official *Get votes by official*

Description

Get votes by official

Usage

```
votes_get_by_official(
  candidate_ids,
  office_ids = "",
  category_ids = "",
  years = "",
  all = TRUE,
  verbose = TRUE
)
```

Arguments

candidate_ids	Vector of candidate_ids (required). See candidates_get_by_lastname , candidates_get_by levenshtein , and candidates_get_by_office_state .
office_ids	Vector of office_ids. See office_get_offices_by_level .
category_ids	Vector of category_ids. See rating_get_categories .

<code>years</code>	Vector of years in which the vote was taken.
<code>all</code>	Boolean: should all possible combinations of the variables be searched for, or just the exact combination of them in the order they are supplied?
<code>verbose</code>	Should cases when no data is available be messaged?

Value

A dataframe of candidates' votes on bills and their attributes. If a given input combination returns no data, that row will be filled with NAs.

Examples

```
## Not run:  
aoc <- candidates_get_by_lastname(  
  "ocasio-cortez",  
  election_years = "2018"  
)  
votes_get_by_official(aoc$candidate_id)  
  
## End(Not run)
```

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