

Package ‘swissdd’

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Type Package

Title Get Swiss Federal and Cantonal Vote Results from Opendata.swiss

Imports purrr, dplyr, tidyr, jsonlite, magrittr, tibble, curl

Version 1.0.0

Description Builds upon the real time data service as well as the archive for national votes <https://opendata.swiss/api/3/action/package_show?id=echtzeitdaten-am-abstimmungstag-zu-eidgenoessischen-abstimmungsvorlagen> and cantonal votes <https://opendata.swiss/api/3/action/package_show?id=echtzeitdaten-am-abstimmungstag-zu-kantonalen-abstimmungsvorlagen>. It brings the results of Swiss popular votes, aggregated at the geographical level of choice, into R.

URL <https://github.com/politanch/swissdd>

BugReports <https://github.com/politanch/swissdd/issues>

License GPL-2

Encoding UTF-8

Suggests testthat

LazyData true

RoxygenNote 6.1.1

NeedsCompilation no

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available_votedates *Get a vector of available vote dates*

Description

available_votedates is a utility function to get the available votedates.

Usage

```
available_votedates(geolevel = "national")
```

Arguments

geolevel geographical level for which available votedates should be displayed. options "national" or "canton"

Details

available_votedates - get available votedates of federal and cantonal popular votes

Value

a vector of votedates (Format: YYYY-MM-DD)

Examples

```
# Get vector of all available dates
federal_votedates <- available_votedates()

cantonal_votedates <- available_votedates(geolevel="canton")
```

get_cantonalvotes	<i>Get cantonal results and counting status for selected dates or a given period</i>
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Description

get_cantonalvotes is one of the two main functions of swissvote package. It allows to retrieve the results and the counting status for national ballots.

Usage

```
get_cantonalvotes(geolevel = "municipality", votedates = NULL,  
  from_date = NULL, to_date = NULL)
```

Arguments

geolevel	geographical level for which the results should be loaded. options: "canton", "district" or "municipality"
votedates	dates of the ballots to be selected. Default: most recent ballot available. Format = "YYYY-MM-DD"
from_date	starting point in time from which vote-results should be retrived. Format = "YYYY-MM-DD"
to_date	end point in time to which vote-results should be retrived. Format = "YYYY-MM-DD"

Details

get_cantonalvotes - retrieve vote results for cantonal ballots at district- or municipality level for selected dates or a given date range.

placeholder

Value

a tibble containing the results

Examples

```
results <-get_cantonalvotes(geolevel="district",from_date = 20180101,to_date=20181231)  
  
get_cantonalvotes(to_date="1983-12-04")  
  
OR  
  
get_cantonalvotes(votedates="2019-02-10")  
  
glimpse(results)
```

`get_cantonalvotes_stream`*Get cantonal results and counting status in real time*

Description

`get_cantonalvotes_stream` is one of the two main functions of `swissvote` package. It allows to retrieve the results and the counting status for national ballots on vote sundays.

Usage

```
get_cantonalvotes_stream(votodate = NULL, geolevel = "municipality")
```

Arguments

<code>votodate</code>	date of the ballot. Default: most recent ballot available.
<code>geolevel</code>	geographical level for which the results should be loaded. options: "canton", "district" or "municipality"

Details

`get_cantonalvotes_stream` - retrieve real time vote results for cantonal ballots at district- or municipality level.
placeholder

Value

a tibble containing the results

Examples

```
results <- get_cantonalvotes_stream(votodate="20191002", geolevel = "municipality")  
glimpse(results)
```

get_swissvotes	<i>Get national results and counting status for selected dates or a given period</i>
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Description

get_swissvotes is one of the two main functions of swissvote package. It allows to retrieve the results and the counting status for national ballots.

Usage

```
get_swissvotes(geolevel = "municipality", votedates = NULL,  
  from_date = NULL, to_date = NULL)
```

Arguments

geolevel	geographical level for which the results should be loaded. options: options: "national", "canton", "district" or "municipality"
votedates	dates of the ballots to be selected. Default: most recent ballot available. Format = "YYYY-MM-DD"
from_date	starting point in time from which vote-results should be retrieved. Format = "YYYY-MM-DD"
to_date	end point in time to which vote-results should be retrieved. Format = "YYYY-MM-DD"

Details

get_swissvotes - retrieve vote results for national ballots at district- or municipality level for selected dates or a given date range.

Value

a tibble containing the results

Examples

```
# Selection by enddate only  
get_swissvotes(to_date="1983-12-04")  
  
# Selection of a specific votedate  
get_swissvotes(votedates="2014-02-09")  
  
glimpse(results)
```

get_swissvotes_stream *Get national results and counting status in real time*

Description

get_swissvote_stream Allows to retrieve the results and the counting status for national ballots in realtime.

Usage

```
get_swissvotes_stream(votodate = NULL, geolevel = "municipality")
```

Arguments

votodate	date of the ballot. Default: most recent ballot available. To select multiple ballots use the 'get_swissvotes'-function. Format = YYYYMMDD
geolevel	geographical level for which the results should be loaded. options "national", "canton", "district" or "municipality"

Details

get_swissvote_stream - retrieve real time vote results for national ballots at district- or municipality level.

Value

a tibble containing the results

Examples

```
results <- get_swissvotes(votodate="20191002", geolevel = "district")  
glimpse(results)
```

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