Package 'legco'

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Type Package

Title Accessing Hong Kong Legislative Council API

Version 0.1.3

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URL https://github.com/elgarteo/legco

BugReports https://github.com/elgarteo/legco/issues

Description Fetching data from Hong Kong Legislative Council's open data API in R.
Functions correspond to the data endpoints of the API.
Documentations of supported API databases:
<https://www.legco.gov.hk/odata/english/billsdb.html>,
<https://www.legco.gov.hk/odata/english/hansard-db.html>,
<https://www.legco.gov.hk/odata/english/attendance-db.html>,
<https://www.legco.gov.hk/odata/english/schedule-db.html> and
<https://www.legco.gov.hk/odata/english/vrdb.html>.

Imports httr, jsonlite, utils

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Encoding UTF-8

Depends R(>= 3.5.0)

LazyData true

RoxygenNote 7.1.0

Suggests curl, httptest, knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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R topics documented:

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addresses *Addresses Delivered in LegCo*

Description

Fetch addresses made by members or government officials while presenting papers to the Council.

Usage

```
addresses(
  hansard_id = NULL,
  rundown_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
```

```
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_addresses(
  hansard_id = NULL,
  rundown_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Addresses* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- `hansard`: Hansard files
- `legco_section_type`: Section code
- `subjects`: Subjects `speakers`: Speakers in the council, including members, government officials and secretariat staff
- `rundown`: Rundown (Paragraphs in hansard)
- `questions`: Questions raised by members
- `bills`: Bills
- `motions`: Motions
- `petitions`: Petitions
- `addresses`: Addresses made by members or government officials when presenting papers to the Council
- `statements`: Statements made by government officials
- `voting_results`: Results of votes in council meetings
- `summoning_bells`: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: `https://www.legco.gov.hk/odata/english/hansard-db.html`

Examples

```
# Fetch addresses given during the Council meeting on February 20, 2019
x <- addresses(hansard_id = 2714)
```

---

all_bills　　　　　　　　　*All Bills in LegCo*

Description

Fetch the information of bills presented in LegCo since 1906.

Usage

```
all_bills(
  id = NULL,
  ordinance = NULL,
  title = NULL,
  proposer = NULL,
  gazette_from = "all",
  gazette_to = "all",
  first_from = "all",
  first_to = "all",
  second_from = "all",
  second_to = "all",
  third_from = "all",
  third_to = "all",
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_all_bills(
  id = NULL,
  ordinance = NULL,
  title = NULL,
  proposer = NULL,
  gazette_from = "all",
  gazette_to = "all",
  first_from = "all",
  first_to = "all",
  second_from = "all",
  second_to = "all",
  third_from = "all",
  third_to = "all",
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

id	the id of a bill, or a vector of ids. Defaults to NULL.
ordinance	the ordinance associated with the bill. Takes the full English name of the ordinance, e.g. "Buildings Ordinanace". Defaults to NULL.
title	the title of the bill. Takes the full English name of the bill, e.g. "National Anthem Bill". Defaults to NULL.
proposer	the proposer of the bill. Takes the full English title of the proposer, e.g. "Secretary for Security". Defaults to NULL.

gazette_from   only fetch bills gazetted on or after this date. Accepts "all", NULL or character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). If "all", returns all bills that have and have not been gazetted before being tabled in LegCo and overrides the gazette_to parameter. If NULL, returns bills that have not been gazetted before being tabled in LegCo (mainly older bills as newer ones required to be gazetted before tabling as required by the Rules of Procedure) and overrides the gazette_to parameter. Defaults to "all".

gazette_to   only fetch bills gazetted on or before this date. Accepts "all", NULL or character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). If "all", returns all bills that have and have not been gazetted before being tabled in LegCo and overrides the gazette_from parameter. If NULL, returns bills that have not been gazetted before being tabled in LegCo (mainly older bills as newer ones required to be gazetted before tabling as required by the Rules of Procedure) and overrides the gazette_from parameter. Defaults to "all".

first_from   only fetch bills that have gone through first reading on or after this date. Accepts "all", NULL or character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). If "all", returns all bills that have and have not gone through first reading and overrides the first_to parameter. If NULL, returns bills that have not gone through first reading and overrides the first_to parameter. Defaults to "all".

first_to   only fetch bills that have gone through first reading on or before this date. Accepts "all", NULL or character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). If "all", returns all bills that have and have not gone through first reading and overrides the first_from parameter. If NULL, returns bills that have not gone through first reading and overrides the first_from parameter. Defaults to "all".

second_from   only fetch bills that have gone through second reading on or after this date. Accepts "all", NULL or character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). If "all", returns all bills that have and have not gone through second reading and overrides the second_to parameter. If NULL, returns bills that have not gone through second reading and overrides the second_to parameter. Defaults to "all".

second_to   only fetch bills that have gone through second reading on or before this date. Accepts "all", NULL or character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). If "all", returns all bills that have and have not gone through second reading and overrides the second_from parameter. If NULL, returns bills that have not gone through second reading and overrides the second_from parameter. Defaults to "all".

third_from   only fetch bills that have gone through third reading on or after this date. Accepts "all", NULL or character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to

a date with `as.Date()`. If `"all"`, returns all bills that have and have not gone through third reading and overrides the `third_to` parameter. If NULL, returns bills that have not gone through third reading and overrides the `third_to` parameter. Defaults to `"all"`.

third_to only fetch bills that have gone through third reading on or before this date. Accepts `"all"`, NULL or character values in `"YYYY-MM-DD"` format, and objects of class `Date`, `POSIXt`, `POSIXct`, `POSIXlt` or anything else that can be coerced to a date with `as.Date()`. If `"all"`, returns all bills that have and have not gone through third reading and overrides the `third_from` parameter. If NULL, returns bills that have not gone through third reading and overrides the `third_from` parameter. Defaults to `"all"`.

n the number of record to fetch. Defaults to `1000`.

extra_param additional query parameters defined in LegCo API. Must begin with `"&"`.

count logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to `FALSE`.

verbose logical: Whether to display progress messages when fetching data? Defaults to `TRUE`.

Details

This function corresponds to the *Vbills* data endpoint of the Bills Database.

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/billsdb.html

Examples

```
# Fetch bills that passed third reading on February 20, 2019
x <- all_bills(third_from = "2019-02-20")
```

---

attendance *Attendance of LegCo Members*

Description

Fetch attendance record of LegCo committee meetings

Usage

```
attendance(
  committee_id = NULL,
  meet_id = NULL,
  member_id = NULL,
  attn = "all",
  from = "1900-01-01",
  to = Sys.Date(),
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_attendance(
  committee_id = NULL,
  meet_id = NULL,
  member_id = NULL,
  attn = "all",
  from = "1900-01-01",
  to = Sys.Date(),
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

committee_id	the id of a committee, or a vector of ids. If NULL, returns results of all committees. Defaults to NULL.
meet_id	the id of a meeting, or a vector of ids. If NULL, returns all meetings. Useful for matching meeting with records from the Attendance Database. Defaults to NULL.
member_id	the id of a LegCo member, or a vector of ids. If NULL, returns results of all LegCo members. Defaults to NULL.
attn	the attendance. "p" returns members who were present. "a" returns members who were absent. "all" returns all members. Defaults to "all".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
n	the number of record to fetch. Defaults to 1000.

extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tattendance* data endpoint of the Meeting Attendance Database.

See Also

LegCo API documentation for the Attendance database: `https://www.legco.gov.hk/odata/english/attendance-db.html`

Examples

```
# Fetch members who were absent from the Subcommittee on Issues
# Relating to Bazaars meetings on October 13, 2017
x <- attendance(committee_id = 2704, from = "2017-10-13", to = "2017-10-13", attn = "a")
```

---

bills   *Bills in LegCo*

Description

Fetch bills presented in LegCo council meetings.

Usage

```
bills(
  rundown_id = NULL,
  hansard_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

```
legco_bills(
  rundown_id = NULL,
  hansard_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

`rundown_id`	the id of a rundown, or a vector of ids. If `NULL`, returns results of all rundowns. Defaults to `NULL`.
`hansard_id`	the id of a hansard file, or a vector of ids. If `NULL`, returns results of all hansard files. Defaults to `NULL`.
`section_code`	the section code, or a vector of codes. If `NULL`, returns results of sections. Defaults to `NULL`.
`lang`	the language of hansard files to search from. `"en"` returns the English version. `"zh"` returns the Traditional Chinese version. Defaults to `"en"`.
`from`	only fetch results of meetings on or after this date. Accepts character values in `"YYYY-MM-DD"` format, and objects of class `Date`, `POSIXt`, `POSIXct`, `POSIXlt` or anything else that can be coerced to a date with `as.Date()`. Defaults to `"1900-01-01"`.
`to`	only fetch results of meetings on or before this date. Accepts character values in `"YYYY-MM-DD"` format, and objects of class `Date`, `POSIXt`, `POSIXct`, `POSIXlt` or anything else that can be coerced to a date with `as.Date()`. Defaults to the current system date.
`floor`	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If `TRUE`, the language option is ignored. Defaults to `FALSE`.
`n`	the number of record to fetch. Defaults to `1000`.
`extra_param`	additional query parameters defined in LegCo API. Must begin with `"&"`.
`count`	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to `FALSE`.
`verbose`	logical: Whether to display progress messages when fetching data? Defaults to `TRUE`.

Details

This function corresponds to the *Bills* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- hansard: Hansard files

- legco_section_type: Section code

- subjects: Subjects speakers: Speakers in the council, including members, government officials and secretariat staff

- rundown: Rundown (Paragraphs in hansard)

- questions: Questions raised by members

- bills: Bills

- motions: Motions

- petitions: Petitions

- addresses: Addresses made by members or government officials when presenting papers to the Council

- statements: Statements made by government officials

- voting_results: Results of votes in council meetings

- summoning_bells: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Fetch bills debated during the Council meeting on February 20, 2019
x <- bills(hansard_id = 2714)
```

---

committee   *Committees of LegCo*

Description

Fetch basic information of LegCo committees.

Usage

```
committee(
  committee_id = NULL,
  code = NULL,
  term_id = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_committee(
  committee_id = NULL,
  code = NULL,
  term_id = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

committee_id	the id of a committee, or a vector of ids. If NULL, returns results of all committees. Defaults to NULL.
code	the code of a committee, or a vector of ids. If NULL, returns all committees. Defaults to NULL.
term_id	the id of a term, or a vector of ids. If NULL, returns results of all terms. Defaults to NULL.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tcommittee* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- [term](): LegCo terms
- [session](): LegCo sessions
- [committee](): LegCo committees
- [membership](): Membership of LegCo committees
- [member](): LegCo members

- [member_term](): Terms served by LegCo members
- [meeting](): Meetings of LegCo committees
- [meeting_committee](): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

Examples

```
# Fetch all LegCo committees from the sixth term
x <- committee(term_id = 5)
```

---

hansard   *Hansard of LegCo*

Description

Fetch metadata and URLs of the hansard files of LegCo council meetings.

Usage

```
hansard(
  hansard_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_hansard(
  hansard_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Hansard* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- [hansard](): Hansard files
- [legco_section_type](): Section code
- [subjects](): Subjects [speakers](): Speakers in the council, including members, government officials and secretariat staff
- [rundown](): Rundown (Paragraphs in hansard)
- [questions](): Questions raised by members
- [bills](): Bills
- [motions](): Motions
- [petitions](): Petitions
- [addresses](): Addresses made by members or government officials when presenting papers to the Council
- [statements](): Statements made by government officials
- [voting_results](): Results of votes in council meetings
- [summoning_bells](): Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: `https://www.legco.gov.hk/odata/english/hansard-db.html`

Examples

```
# Fetch metadata of hansard files of all LegCo meetings
# conducted between Feburary 20 to March 20, 2019
x <- hansard(from = "2019-02-20", to = "2019-03-20")
```

---

hansard-db   *Hansard Database*

Description

This database contains information on matters discussed in Council meeting since the fifth term of LegCo. Hinting by its name, the database is built upon the PDF hansard files. Relying on the bookmarks and section codes of the hansard files, the data endpoints retrieve data from the files directly.

Arguments

hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
speaker_id	the id of a speaker at the Legislative Council, or a vector of ids. If NULL, returns all speakers. Defaults to NULL.
rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
bookmark_name	the bookmark name of the rundown, or a vector of names. Defaults to NULL.
section_code	the section code, or a vector of codes. If NULL, returns results of sections. Defaults to NULL.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.

floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
result	the voting result. "passed" returns motions that have been passed. "vetoed" returns motions that have been vetoed. "all" returns all motions that has been voted in LegCo. Defaults to all.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
n	the number of record to fetch. Defaults to 1000.
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Functions

Functions of the Hansard database:

- hansard: Hansard files

- legco_section_type: Section code

- subjects: Subjects speakers: Speakers in the council, including members, government officials and secretariat staff

- rundown: Rundown (Paragraphs in hansard)

- questions: Questions raised by members

- bills: Bills

- motions: Motions

- petitions: Petitions

- addresses: Addresses made by members or government officials when presenting papers to the Council

- statements: Statements made by government officials

- voting_results: Results of votes in council meetings

- summoning_bells: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

---

legco_api *Generic LegCo API Function*

Description

A generic function to access LegCo APIs.

Usage

```
legco_api(db, query, n = 1000, count = FALSE, verbose = TRUE)
```

Arguments

db	the database you wish to access. "hansard" for the hansard database. "attn" for the attendance database. "bill" for the bills database. "schedule" for the schedule database. Or the path name for databases not listed here (i.e. the string between the domain name and data endpoints, e.g. "OpenData/HansardDB").
query	the query for retrieving data. Should include the data endpoint and parameters if any.
n	the number of record to fetch. Defaults to 1000.
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Examples

```
# Fetch data from the "bills" endpoint of the hansard database

x <- legco_api("hansard", "Bills")
```

---

legco_section_type *Section Types of LegCo Meetings*

Description

A data frame containing possible types of sections in LegCo meetings. For use to look up the meaning of a section code returned by the API.

Usage

```
legco_section_type
```

Format

A dataframe with 51 rows and 3 variables:

- SectionCode: Unique code(s) for each section type
- NameEng: English name of the section
- NameChi: Chinese name of the section

Details

This data frame is a formatted offline copy of the *Sections* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- [hansard](): Hansard files
- [legco_section_type](): Section code
- [subjects](): Subjects [speakers](): Speakers in the council, including members, government officials and secretariat staff
- [rundown](): Rundown (Paragraphs in hansard)
- [questions](): Questions raised by members
- [bills](): Bills
- [motions](): Motions
- [petitions](): Petitions
- [addresses](): Addresses made by members or government officials when presenting papers to the Council
- [statements](): Statements made by government officials
- [voting_results](): Results of votes in council meetings
- [summoning_bells](): Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Look up the meaning of section code "mbm"
x <- legco_section_type[legco_section_type$SectionCode == "mbm", ]
```

---

meeting   *Meetings of LegCo Committees*

Description

Fetch basic information of LegCo committee meetings.

Usage

```
meeting(
  slot_id = NULL,
  meet_id = NULL,
  from = "1900-01-01",
  to = Sys.Date(),
  type = "all",
  term_id = NULL,
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_meeting(
  slot_id = NULL,
  meet_id = NULL,
  from = "1900-01-01",
  to = Sys.Date(),
  type = "all",
  term_id = NULL,
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

slot_id   the id of a meeting slot, or a vector of ids. If NULL, returns all meetings. Defaults
               to NULL.

meet_id   the id of a meeting, or a vector of ids. If NULL, returns all meetings. Useful
               for matching meeting with records from the Attendance Database. Defaults to
               NULL.

from   only fetch results of meetings on or after this date. Accepts character values in
               "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt
               or anything else that can be coerced to a date with as.Date(). Defaults to
               "1900-01-01".

to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
type	the type of meeting. If "open", returns open meetings. If "closed", returns closed meetings. If "all", returns all meetings. Defaults to "all".
term_id	the id of a term, or a vector of ids. If NULL, returns results of all terms. Defaults to NULL.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tmeeting* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- [term](): LegCo terms
- [session](): LegCo sessions
- [committee](): LegCo committees
- [membership](): Membership of LegCo committees
- [member](): LegCo members
- [member_term](): Terms served by LegCo members
- [meeting](): Meetings of LegCo committees
- [meeting_committee](): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

Examples

```
# Fetch all meeting conducted on March 20, 2019
x <- meeting(from = "2019-03-20", to = "2019-03-20")
```

---

meeting_committee *Committee of Meetings in LegCo*

Description

Fetch all the meeting slots of a given committee(s), or the committee of a given meeting slot(s).

Usage

```
meeting_committee(
  slot_id = NULL,
  meet_id = NULL,
  committee_id = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_meeting_committee(
  slot_id = NULL,
  meet_id = NULL,
  committee_id = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

slot_id	the id of a meeting slot, or a vector of ids. If NULL, returns all meetings. Defaults to NULL.
meet_id	the id of a meeting, or a vector of ids. If NULL, returns all meetings. Useful for matching meeting with records from the Attendance Database. Defaults to NULL.
committee_id	the id of a committee, or a vector of ids. If NULL, returns results of all committees. Defaults to NULL.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tmeeting_committee* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- term: LegCo terms
- session: LegCo sessions
- committee: LegCo committees
- membership: Membership of LegCo committees
- member: LegCo members
- member_term: Terms served by LegCo members
- meeting: Meetings of LegCo committees
- meeting_committee: Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

Examples

```
# Fetch all meetings of Subcommittee on Issues Relating to Bazaars
x <- meeting_committee(committee_id = 2704)
```

---

meeting_schedule-db   *Meeting Schedule Database*

Description

This database contains the information of LegCo committees, namely the name of all LegCo committees established since the fifth term and their corresponding member lists and meeting schedule.

Arguments

member_id	the id of a LegCo member, or a vector of ids. If NULL, returns results of all LegCo members. Defaults to NULL.
term_id	the id of a term, or a vector of ids. If NULL, returns results of all terms. Defaults to NULL.
session_id	the id of a session, or a vector of ids. If NULL, returns result of all sessions. Defaults to NULL.
slot_id	the id of a meeting slot, or a vector of ids. If NULL, returns all meetings. Defaults to NULL.

meet_id	the id of a meeting, or a vector of ids. If NULL, returns all meetings. Useful for matching meeting with records from the Attendance Database. Defaults to NULL.
committee_id	the id of a committee, or a vector of ids. If NULL, returns results of all committees. Defaults to NULL.
code	the code of a committee, or a vector of ids. If NULL, returns all committees. Defaults to NULL.
type	the type of meeting. If "open", returns open meetings. If "closed", returns closed meetings. If "all", returns all meetings. Defaults to "all".
post	the post of a member in the committee, or a vector of posts. "President", "Chairman", "Deputy Chairman", "Member" and "Convenor" return members of the respective post. If NULL, returns members of all posts. Defaults to NULL.
date	only fetch the result in which the specified date falls within. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to NULL.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
n	the number of record to fetch. Defaults to 1000.
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Functions

Functions of the Meeting Schedule Database:

- [term](#): LegCo terms
- [session](#): LegCo sessions
- [committee](#): LegCo committees
- [membership](#): Membership of LegCo committees
- [member](#): LegCo members
- [member_term](#): Terms served by LegCo members
- [meeting](#): Meetings of LegCo committees
- [meeting_committee](#): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

---

member   *Members of LegCo*

Description

Fetch the basic information of LegCo members.

Usage

```
member(member_id = NULL, extra_param = NULL, count = FALSE, verbose = TRUE)

legco_member(
  member_id = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

member_id	the id of a LegCo member, or a vector of ids. If NULL, returns results of all LegCo members. Defaults to NULL.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tmember* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- [term](): LegCo terms
- [session](): LegCo sessions
- [committee](): LegCo committees
- [membership](): Membership of LegCo committees
- [member](): LegCo members
- [member_term](): Terms served by LegCo members
- [meeting](): Meetings of LegCo committees
- [meeting_committee](): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: `https://www.legco.gov.hk/odata/english/attendance-db.html`

Examples

```
# Fetch full list of members
x <- member()
```

---

membership   *Membership of LegCo Committees*

Description

Fetch the members of LegCo committees.

Usage

```
membership(
  member_id = NULL,
  committee_id = NULL,
  term_id = NULL,
  post = NULL,
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_membership(
  member_id = NULL,
  committee_id = NULL,
  term_id = NULL,
  post = NULL,
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

member_id   the id of a LegCo member, or a vector of ids. If NULL, returns results of all LegCo members. Defaults to NULL.

committee_id	the id of a committee, or a vector of ids. If NULL, returns results of all committees. Defaults to NULL.
term_id	the id of a term, or a vector of ids. If NULL, returns results of all terms. Defaults to NULL.
post	the post of a member in the committee, or a vector of posts. "President", "Chairman", "Deputy Chairman", "Member" and "Convenor" return members of the respective post. If NULL, returns members of all posts. Defaults to NULL.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tmembership* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- [term](): LegCo terms
- [session](): LegCo sessions
- [committee](): LegCo committees
- [membership](): Membership of LegCo committees
- [member](): LegCo members
- [member_term](): Terms served by LegCo members
- [meeting](): Meetings of LegCo committees
- [meeting_committee](): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

Examples

```
# Fetch members of the Subcommittee on Issues Relating to Bazaars
x <- membership(committee_id = 2704)
```

---

member_term   *Terms of Members of LegCo*

Description

Fetch the serving terms in Term ID of LegCo members

Usage

```
member_term(
  member_id = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_member_term(
  member_id = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

member_id	the id of a LegCo member, or a vector of ids. If NULL, returns results of all LegCo members. Defaults to NULL.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tmember_term* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- term: LegCo terms
- session: LegCo sessions
- committee: LegCo committees
- membership: Membership of LegCo committees
- member: LegCo members

- [member_term](): Terms served by LegCo members
- [meeting](): Meetings of LegCo committees
- [meeting_committee](): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

Examples

```
#Fetches the term served by Hon Chan Kin-por and Kwong Chun-yu
x <- member_term(member_id = c(273, 924))
```

---

motions   *Motions in LegCo*

Description

Fetch motions presented in LegCo council meetings.

Usage

```
motions(
  rundown_id = NULL,
  hansard_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_motions(
  rundown_id = NULL,
  hansard_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
```

```
    floor = FALSE,
    n = 1000,
    extra_param = NULL,
    count = FALSE,
    verbose = TRUE
)
```

Arguments

rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
section_code	the section code, or a vector of codes. If NULL, returns results of sections. Defaults to NULL.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Motions* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- [hansard](): Hansard files
- [legco_section_type](): Section code

- *subjects*: Subjects *speakers*: Speakers in the council, including members, government officials and secretariat staff
- *rundown*: Rundown (Paragraphs in hansard)
- *questions*: Questions raised by members
- *bills*: Bills
- *motions*: Motions
- *petitions*: Petitions
- *addresses*: Addresses made by members or government officials when presenting papers to the Council
- *statements*: Statements made by government officials
- *voting_results*: Results of votes in council meetings
- *summoning_bells*: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: `https://www.legco.gov.hk/odata/english/hansard-db.html`

Examples

```
# Fetch motions discussed during the Council meeting on February 20, 2019
x <- motions(hansard_id = 2714)
```

---

petitions   *Petitions in LegCo*

Description

Fetch petitions presented in LegCo council meetings.

Usage

```
petitions(
  rundown_id = NULL,
  hansard_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
```

```
    verbose = TRUE
)

legco_petitions(
  rundown_id = NULL,
  hansard_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Petitions* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- hansard: Hansard files

- legco_section_type: Section code

- subjects: Subjects speakers: Speakers in the council, including members, government officials and secretariat staff

- rundown: Rundown (Paragraphs in hansard)

- questions: Questions raised by members

- bills: Bills

- motions: Motions

- petitions: Petitions

- addresses: Addresses made by members or government officials when presenting papers to the Council

- statements: Statements made by government officials

- voting_results: Results of votes in council meetings

- summoning_bells: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Fetch petition laid during the Council meeting on January 19, 2018
x <- petitions(from = "2018-01-10")
```

---

questions   *Questions by LegCo Members*

Description

Fetch questions put to the government by LegCo members in council meetings.

Usage

```
questions(
  rundown_id = NULL,
  speaker_id = NULL,
  type = "all",
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_questions(
  rundown_id = NULL,
  speaker_id = NULL,
  type = "all",
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
speaker_id	the id of a speaker at the Legislative Council, or a vector of ids. If NULL, returns all speakers. Defaults to NULL.
type	the type of question. "oral" returns oral questions. "written" returns written questions. "all" returns all questions. Defaults to "all".
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.

floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If `TRUE`, the language option is ignored. Defaults to `FALSE`.
n	the number of record to fetch. Defaults to `1000`.
extra_param	additional query parameters defined in LegCo API. Must begin with `"&"`.
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to `FALSE`.
verbose	logical: Whether to display progress messages when fetching data? Defaults to `TRUE`.

Details

This function corresponds to the *Questions* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- hansard: Hansard files
- legco_section_type: Section code
- subjects: Subjects speakers: Speakers in the council, including members, government officials and secretariat staff
- rundown: Rundown (Paragraphs in hansard)
- questions: Questions raised by members
- bills: Bills
- motions: Motions
- petitions: Petitions
- addresses: Addresses made by members or government officials when presenting papers to the Council
- statements: Statements made by government officials
- voting_results: Results of votes in council meetings
- summoning_bells: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Fetch questions being put on the government during the Council meeting on February 20, 2019
x <- questions(from = "2019-02-20", to = "2019-02-20")
```

---

rundown   *Rundown from LegCo Hansards*

Description

Fetch the rundown from hansard files of LegCo council meetings.

Usage

```
rundown(
  rundown_id = NULL,
  hansard_id = NULL,
  speaker_id = NULL,
  lang = "en",
  bookmark_name = NULL,
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_rundown(
  rundown_id = NULL,
  hansard_id = NULL,
  speaker_id = NULL,
  lang = "en",
  bookmark_name = NULL,
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
speaker_id	the id of a speaker at the Legislative Council, or a vector of ids. If NULL, returns all speakers. Defaults to NULL.

lang	the language of hansard files to search from. `"en"` returns the English version. `"zh"` returns the Traditional Chinese version. Defaults to `"en"`.
bookmark_name	the bookmark name of the rundown, or a vector of names. Defaults to `NULL`.
from	only fetch results of meetings on or after this date. Accepts character values in `"YYYY-MM-DD"` format, and objects of class `Date`, `POSIXt`, `POSIXct`, `POSIXlt` or anything else that can be coerced to a date with `as.Date()`. Defaults to `"1900-01-01"`.
to	only fetch results of meetings on or before this date. Accepts character values in `"YYYY-MM-DD"` format, and objects of class `Date`, `POSIXt`, `POSIXct`, `POSIXlt` or anything else that can be coerced to a date with `as.Date()`. Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If `TRUE`, the language option is ignored. Defaults to `FALSE`.
n	the number of record to fetch. Defaults to `1000`.
extra_param	additional query parameters defined in LegCo API. Must begin with `"&"`.
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to `FALSE`.
verbose	logical: Whether to display progress messages when fetching data? Defaults to `TRUE`.

Details

This function corresponds to the *Rundown* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- [hansard](): Hansard files
- [legco_section_type](): Section code
- [subjects](): Subjects [speakers](): Speakers in the council, including members, government officials and secretariat staff
- [rundown](): Rundown (Paragraphs in hansard)
- [questions](): Questions raised by members
- [bills](): Bills
- [motions](): Motions
- [petitions](): Petitions
- [addresses](): Addresses made by members or government officials when presenting papers to the Council
- [statements](): Statements made by government officials
- [voting_results](): Results of votes in council meetings
- [summoning_bells](): Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: `https://www.legco.gov.hk/odata/english/hansard-db.html`

Examples

```
# Fetch records of proceedings of the second reading of
# Smoking (Public Health) (Amendment) Bill 2019
x <- rundown(id = 899628:899649)
```

---

session   *Session of LegCo*

Description

Fetch the basic information of LegCo sessions.

Usage

```
session(
  session_id = NULL,
  term_id = NULL,
  date = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_session(
  session_id = NULL,
  term_id = NULL,
  date = NULL,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

session_id   the id of a session, or a vector of ids. If NULL, returns result of all sessions. Defaults to NULL.

term_id   the id of a term, or a vector of ids. If NULL, returns results of all terms. Defaults to NULL.

date	only fetch the result in which the specified date falls within. Accepts character values in `"YYYY-MM-DD"` format, and objects of class `Date`, `POSIXt`, `POSIXct`, `POSIXlt` or anything else that can be coerced to a date with `as.Date()`. Defaults to `NULL`.
extra_param	additional query parameters defined in LegCo API. Must begin with `"&"`.
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to `FALSE`.
verbose	logical: Whether to display progress messages when fetching data? Defaults to `TRUE`.

Details

This function corresponds to the *Tsession* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- [term](): LegCo terms

- [session](): LegCo sessions

- [committee](): LegCo committees

- [membership](): Membership of LegCo committees

- [member](): LegCo members

- [member_term](): Terms served by LegCo members

- [meeting](): Meetings of LegCo committees

- [meeting_committee](): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

Examples

```
# Fetch all LegCo sessions of the fifth term
x <- session(term_id = 4)
```

---

speakers   *Speakers at LegCo*

Description

Fetch the basic information of speakers in LegCo council meetings, including LegCo members, government officials and Secretariat staff.

Usage

```
speakers(
  speaker_id = NULL,
  type = "all",
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_speakers(
  speaker_id = NULL,
  type = "all",
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

speaker_id	the id of a speaker at the Legislative Council, or a vector of ids. If NULL, returns all speakers. Defaults to NULL.
type	the position of a speaker. "all" returns all speakers. "PO" returns public officers. "LC" returns key appointment holders and staff at LegCo, such as President, Chairman and clerk. "MB" returns LegCo members. Default to "all".
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Speakers* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- hansard: Hansard files

- legco_section_type: Section code

- subjects: Subjects speakers: Speakers in the council, including members, government officials and secretariat staff

- rundown: Rundown (Paragraphs in hansard)

- questions: Questions raised by members

- bills: Bills

- motions: Motions

- petitions: Petitions

- addresses: Addresses made by members or government officials when presenting papers to the Council

- statements: Statements made by government officials

- voting_results: Results of votes in council meetings

- summoning_bells: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Fetch a list of all speakers in LegCo council meetings
x <- speakers()
# Fetch a list of all speakers who are LegCo members
x <- speakers(type = "MB")
# Look up the details of a speaker with the id 6
x <- speakers(speaker_id = 6)
```

---

statements   *Statements by Public Officers*

Description

Fetch statements made by Public Officers in LegCo council meetings.

Usage

```
statements(
  hansard_id = NULL,
  rundown_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_statements(
  hansard_id = NULL,
  rundown_id = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.

n	the number of record to fetch. Defaults to `1000`.
extra_param	additional query parameters defined in LegCo API. Must begin with `"&"`.
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to `FALSE`.
verbose	logical: Whether to display progress messages when fetching data? Defaults to `TRUE`.

Details

This function corresponds to the *Statements* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- `hansard`: Hansard files
- `legco_section_type`: Section code
- `subjects`: Subjects `speakers`: Speakers in the council, including members, government officials and secretariat staff
- `rundown`: Rundown (Paragraphs in hansard)
- `questions`: Questions raised by members
- `bills`: Bills
- `motions`: Motions
- `petitions`: Petitions
- `addresses`: Addresses made by members or government officials when presenting papers to the Council
- `statements`: Statements made by government officials
- `voting_results`: Results of votes in council meetings
- `summoning_bells`: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Fetch statements made by government officials during the Council meeting on April 22, 2015
x <- statements(from = "2015-04-22")
```

---

subjects   *Subjects from LegCo Hansard*

Description

Fetch the subjects from hansard files of LegCo council meetings.

Usage

```
subjects(
  hansard_id = NULL,
  rundown_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_subjects(
  hansard_id = NULL,
  rundown_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
section_code	the section code, or a vector of codes. If NULL, returns results of sections. Defaults to NULL.

lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Subjects* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- [hansard](): Hansard files
- [legco_section_type](): Section code
- [subjects](): Subjects [speakers](): Speakers in the council, including members, government officials and secretariat staff
- [rundown](): Rundown (Paragraphs in hansard)
- [questions](): Questions raised by members
- [bills](): Bills
- [motions](): Motions
- [petitions](): Petitions
- [addresses](): Addresses made by members or government officials when presenting papers to the Council
- [statements](): Statements made by government officials
- [voting_results](): Results of votes in council meetings
- [summoning_bells](): Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: `https://www.legco.gov.hk/odata/english/hansard-db.html`

Examples

```
# Fetch second reading of bills during the Council meeting on February 20, 2019
x <- subjects(hansard_id = 2714, section_code = "b2r")
```

---

summoning_bells   *Summoning Bells in LegCo*

Description

Fetch instances of summoning bell being rung in LegCo council meetings

Usage

```
summoning_bells(
  hansard_id = NULL,
  rundown_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_summoning_bells(
  hansard_id = NULL,
  rundown_id = NULL,
  section_code = NULL,
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

hansard_id	the id of a hansard file, or a vector of ids. If NULL, returns results of all hansard files. Defaults to NULL.
rundown_id	the id of a rundown, or a vector of ids. If NULL, returns results of all rundowns. Defaults to NULL.
section_code	the section code, or a vector of codes. If NULL, returns results of sections. Defaults to NULL.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *SummoningBells* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- [hansard](): Hansard files
- [legco_section_type](): Section code
- [subjects](): Subjects [speakers](): Speakers in the council, including members, government officials and secretariat staff
- [rundown](): Rundown (Paragraphs in hansard)
- [questions](): Questions raised by members
- [bills](): Bills
- [motions](): Motions

- [petitions](): Petitions
- [addresses](): Addresses made by members or government officials when presenting papers to the Council
- [statements](): Statements made by government officials
- [voting_results](): Results of votes in council meetings
- [summoning_bells](): Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Fetch instances of summoning bell during the Council meeting on January 19, 2018
x <- summoning_bells(hansard_id = 2714)
```

---

term   *Term of LegCo*

Description

Fetch the basic information of LegCo terms.

Usage

```
term(term_id = NULL, date = NULL, extra_param = NULL, verbose = TRUE)

legco_term(term_id = NULL, date = NULL, extra_param = NULL, verbose = TRUE)
```

Arguments

term_id	the id of a term, or a vector of ids. If NULL, returns results of all terms. Defaults to NULL.
date	only fetch the result in which the specified date falls within. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to NULL.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *Tterm* data endpoint of the Meeting Schedule Database.

Functions

Functions of the Meeting Schedule Database:

- [term](#): LegCo terms
- [session](#): LegCo sessions
- [committee](#): LegCo committees
- [membership](#): Membership of LegCo committees
- [member](#): LegCo members
- [member_term](#): Terms served by LegCo members
- [meeting](#): Meetings of LegCo committees
- [meeting_committee](#): Committees of LegCo meetings

See Also

LegCo API documentation for the Meeting Schedule database: https://www.legco.gov.hk/odata/english/attendance-db.html

Examples

```
# Fetch all LegCo terms
x <- term()
```

---

voting_record   *Voting Record in LegCo Meetings*

Description

Fetch voting records of LegCo council, the Finance Committee and its subcommittees and the House Committee meetings.

Usage

```
voting_record(
  committee = NULL,
  term_id = NULL,
  result = "all",
  vote = "all",
  name_ch = NULL,
  name_en = NULL,
```

```
  separate_mechanism = NULL,
  mover_type = "all",
  from = "1900-01-01 00:00:00",
  to = Sys.time(),
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_voting_record(
  committee = NULL,
  term_id = NULL,
  result = "all",
  vote = "all",
  name_ch = NULL,
  name_en = NULL,
  separate_mechanism = NULL,
  mover_type = "all",
  from = "1900-01-01 00:00:00",
  to = Sys.time(),
  n = 10000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

committee	the name of the committee or subcommittee. Defaults to NULL.
term_id	the id of a term, or a vector of ids. If NULL, returns results of all terms. Defaults to NULL.
result	the voting result. If "passed", returns motions that have been passed. If "vetoed", returns motions that have been vetoed. If "all", returns all motions that has been voted in LegCo. Defaults to all.
vote	the vote cast. If "yes", returns only members who cast affirmative votes. If "no", returns only members who cast negative votes. If "abstain", returns only members who abstained from voting. If "absent", returns only members who were absent. If "present", returns only members who were present and did not vote (e.g. President). If "all", returns all votes. Defaults to "all".
name_ch	the name of a LegCo member in Traditional Chinese, or a vector of names. If NULL, returns voting records of all members. Defaults to NULL.
name_en	the name of a LegCo member in English, or a vector of names. If the member has an English name, the English name should go first followed by the surname in capital letters, e.g. "Peter CHAN". If the member does not have an English name, the surname in capital letters should go first followed by the translated first name with a hyphen separating the different syllable, e.g. "CHAN Tai-man".

Check the names of the members with [member](). If NULL, returns voting records of all members. Defaults to NULL.

separate_mechanism

only fetch votes that were counted with the vote separate mechanism, i.e. requiring majority in both geographical and functional constituencies to pass. If NULL, returns all votes regardless of the vote counting mechanism used. Defaults to NULL.

mover_type   the type of motion being put on vote. If "PO", returns votes on government motions only. If "MB", returns votes on members' motions only. If "all", returns votes on all motions. Defaults to "all".

from   only fetch results of meetings on or after this date and time. Accepts character values in "YYYY-MM-DD" or "YYYY-MM-DD HH:MM:SS" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01 00:00:00".

to   only fetch results of meetings on or before this date and time. Accepts character values in "YYYY-MM-DD" or "YYYY-MM-DD HH:MM:SS" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system time.

n   the number of record to fetch. Defaults to 1000.

extra_param   additional query parameters defined in LegCo API. Must begin with "&".

count   logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.

verbose   logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *vVotingResult* data endpoint of the Voting Result Database.

See Also

LegCo API documentation for the Voting Record database: https://www.legco.gov.hk/odata/english/vrdb.html

Examples

```
# Fetch how members voted the motion on
# Abolishing the MPF Offsetting Mechanism on November 11, 2016
x <- voting_record(committee = "Council Meeting",
                   from = "2016-11-16 13:51:53",
                   to = "2016-11-16 13:51:53")
```

---

voting_results   *Voting Results in LegCo Meetings*

Description

Fetch result of votes made in LegCo council meetings.

Usage

```
voting_results(
  hansard_id = NULL,
  rundown_id = NULL,
  section_code = NULL,
  result = "all",
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)

legco_voting_results(
  hansard_id = NULL,
  rundown_id = NULL,
  section_code = NULL,
  result = "all",
  lang = "en",
  from = "1900-01-01",
  to = Sys.Date(),
  floor = FALSE,
  n = 1000,
  extra_param = NULL,
  count = FALSE,
  verbose = TRUE
)
```

Arguments

`hansard_id`	the id of a hansard file, or a vector of ids. If `NULL`, returns results of all hansard files. Defaults to `NULL`.
`rundown_id`	the id of a rundown, or a vector of ids. If `NULL`, returns results of all rundowns. Defaults to `NULL`.
`section_code`	the section code, or a vector of codes. If `NULL`, returns results of sections. Defaults to `NULL`.

result	the voting result. "passed" returns motions that have been passed. "vetoed" returns motions that have been vetoed. "all" returns all motions that has been voted in LegCo. Defaults to all.
lang	the language of hansard files to search from. "en" returns the English version. "zh" returns the Traditional Chinese version. Defaults to "en".
from	only fetch results of meetings on or after this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to "1900-01-01".
to	only fetch results of meetings on or before this date. Accepts character values in "YYYY-MM-DD" format, and objects of class Date, POSIXt, POSIXct, POSIXlt or anything else that can be coerced to a date with as.Date(). Defaults to the current system date.
floor	logical: whether to fetch results from the floor version of the hansard files? The floor version is the first presented version of hansard file in the original language delivered by the speakers in LegCo. If TRUE, the language option is ignored. Defaults to FALSE.
n	the number of record to fetch. Defaults to 1000.
extra_param	additional query parameters defined in LegCo API. Must begin with "&".
count	logical: Whether to return only the total count of records that matches the parameter(s) instead of the result. Defaults to FALSE.
verbose	logical: Whether to display progress messages when fetching data? Defaults to TRUE.

Details

This function corresponds to the *VotingResults* data endpoint of the Hansard Database.

Functions

Functions of the Hansard database:

- hansard: Hansard files
- legco_section_type: Section code
- subjects: Subjects speakers: Speakers in the council, including members, government officials and secretariat staff
- rundown: Rundown (Paragraphs in hansard)
- questions: Questions raised by members
- bills: Bills
- motions: Motions
- petitions: Petitions
- addresses: Addresses made by members or government officials when presenting papers to the Council
- statements: Statements made by government officials
- voting_results: Results of votes in council meetings
- summoning_bells: Instances of summoning bells being rung

See Also

LegCo API documentation for the Hansard database: https://www.legco.gov.hk/odata/english/hansard-db.html

Examples

```
# Fetch results of votes conducted during the Council meeting on January 19, 2018
x <- voting_results(hansard_id = 2714)
```

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