

Package ‘rcongresso’

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Type Package

Title Wraps the API for the Brazilian Chamber of Deputies

Version 0.4.6

URL <https://github.com/analytics-ufcg/rcongresso>

BugReports <https://github.com/analytics-ufcg/rcongresso/issues>

Description Provides propositions, votings, deputies and parties data from Brazilian lower house <<https://dadosabertos.camara.leg.br>> in data frames.

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Encoding UTF-8

LazyData true

Imports httr, jsonlite, magrittr, dplyr, tibble, tidyr, stringr

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fetch_deputado	<i>Retrieves details about a deputy</i>
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Description

ID, name, birth date, birth city among other informations are returned.

Usage

```
fetch_deputado(id = NULL, nome = NULL, idLegislatura = NULL,
  siglaUf = NULL, siglaPartido = NULL, siglaSexo = NULL, itens = NULL,
  ordenarPor = NULL)
```

Arguments

id	Deputy's ID
nome	Deputy's name (partially or complete)
idLegislatura	Id of one or more mandates of the deputy
siglaUf	State's abbreviation of the deputy
siglaPartido	Party's abbreviation of the deputy
siglaSexo	Gender's abbreviation
itens	Items quantity. '-1' returns all current deputies at the request moment
ordenarPor	Element that will be used to sort the returned list

Value

Dataframe containing details about the deputy.

Examples

```
abel_mesquita_info <- fetch_deputado(id = 178957)
```

fetch_despesas_deputado
Fetches expenditures from deputy

Description

Fetches expenditures from deputy with his/her parliamentary quota. If no time parameters are passed, the function returns the expenditures in the last six months.

Usage

```
fetch_despesas_deputado(id = NULL, idLegislatura = NULL, ano = NULL,  
  mes = NULL, cnpjCpfFornecedor = NULL, itens = NULL)
```

Arguments

id	Deputy's ID. Mandatory field
idLegislatura	Deputy's ID
ano	Expenditure's year
mes	Expenditure's month
cnpjCpfFornecedor	Provider's CPF or CNPJ
itens	Items quantity. '-1' returns all the expenditures

Value

Dataframe containing details about the deputy's expenditures

Examples

```
gastos_abel_mesquita <- fetch_despesas_deputado(id = 178957)  
gastos_abel_junho2017 <- fetch_despesas_deputado(id = 178957, ano = 2017, mes = 06, itens = -1)
```

fetch_id_partido *Retrieves the party's ID from its abbreviation.*

Description

The function can be used to fetch a vector of ids as well, in case of many parties.

Usage

```
fetch_id_partido(sigla)
```

Arguments

sigla Party's abbreviation

Value

Party's ID.

See Also

[fetch_id_proposicao](#)

Examples

```
p <- fetch_id_partido(c("PT", "PSDB", "PP", "PMDB"))
```

fetch_id_proposicao *Retrieves the proposition ID from its type, number and year*

Description

The function can be used to fetch a vector of ids as well, in case of many propositions.

Usage

```
fetch_id_proposicao(tipo, numero, ano)
```

Arguments

tipo Proposition type (i.e., PEC, PL, PDC)
numero Proposition number
ano Proposition year

Value

Proposition's ID.

See Also

[fetch_id_partido](#)

Examples

```
pec241_id <- fetch_id_proposicao("PEC", 241, 2016)
```

fetch_orientacoes	<i>Fetches the positions of a group on a voting</i>
-------------------	---

Description

Fetch how the groups in the chamber of deputies instructed their members to vote on a given voting.

Usage

```
fetch_orientacoes(id_votacao = NULL)
```

Arguments

id_votacao Voting's ID

Value

Dataframe containing the groups and their votes

See Also

[get_votos_partidos](#)

Examples

```
orientacoes_pec241 <- fetch_orientacoes(7252)
```

fetch_partido	<i>Fetches parties from API using a query.</i>
---------------	--

Description

Returns a list containing basic information about parties which has or had been any deputy in the lower house. If none parameters are passed, the function returns the parties which has active deputies on that moment.

Usage

```
fetch_partido(id = NULL, sigla = NULL, dataInicio = NULL,  
             dataFim = NULL, idLegislatura = NULL, itens = NULL, ordenarPor = NULL)
```

Arguments

id	Party's ID
sigla	Party's abbreviation
dataInicio	Party's processing starting date
dataFim	Party's processing end date
idLegislatura	Legislature's number
itens	Items quantity. '-1' returns all parties which have deputies at the request moment
ordenarPor	Order by: 'id', 'sigla' or 'nome'

Details

Note that if you have the party's ID, it's not necessary to add any other parameter on the function call. The call to this function using the party's ID returns more details than using the others parameters. If you don't have the party's ID, the [fetch_id_partido](#) function may be helpful.

Value

Dataframe containing information about the parties.

See Also

[get_votos_partidos](#), [fetch_orientacoes](#)

Examples

```
PMB <- fetch_partido(id = 36887)
PT <- fetch_partido(sigla = "PT")
partidos2010a2014 <- fetch_partido(dataInicio = "2010-01-01", dataFim = "2014-12-31", itens = 100)
```

fetch_proposicao	<i>Fetches proposition from API using a query</i>
------------------	---

Description

Fetches information about law's projects, resolutions, provisional measures, law amendments, opinions and all the other propositions types on the Deputies' Chamber. Several parameters can be used to select and filter the final result. By default, the function returns all the proposition which were presented or had some situation change in the last 15 days.

Usage

```
fetch_proposicao(id = NULL, siglaUfAutor = NULL, siglaTipo = NULL,
  siglaPartidoAutor = NULL, numero = NULL, ano = NULL,
  dataApresentacaoInicio = NULL, dataApresentacaoFim = NULL,
  dataInicio = NULL, dataFim = NULL, idAutor = NULL, autor = NULL,
  codPartido = NULL, itens = NULL)
```

Arguments

id	Proposition's ID
siglaUfAutor	State's abbreviation of the proposition's author
siglaTipo	Proposition type (i.e., PEC, PL, PDC)
siglaPartidoAutor	Party's abbreviation of the proposition's author
numero	Proposition number
ano	Proposition year
dataApresentacaoInicio	Proposition's presentation starting date
dataApresentacaoFim	Proposition's presentation end date
dataInicio	Proposition's processing starting date
dataFim	Proposition's processing end date
idAutor	Author's ID
autor	Author's name
codPartido	Party code
itens	Items quantity. '-1' returns all the propositions which had been processed in the last 30 days

Details

Note that if you have the proposition's ID, it's not necessary to add any other parameter on the function call. The call to this function using the proposition's ID returns more details than using the others parameters. If you don't have the proposition's ID, the [fetch_id_proposicao](#) function may be helpful.

Value

Dataframe containing information about the proposition.

See Also

[fetch_tipo_proposicao](#), [fetch_id_proposicao](#)

Examples

```
pec241 <- fetch_proposicao(id = 2088351)
pec241 <- fetch_proposicao(siglaTipo = "PEC", numero = 241, ano = 2016)
```

```
fetch_proposicao_from_votacao
```

Finds the id of the proposition to which a given voting refers

Description

Finds the id of the proposition to which a given voting refers.

Usage

```
fetch_proposicao_from_votacao(id_votacao = NULL)
```

Arguments

id_votacao Voting's ID

Value

Dataframe containing proposition details

Examples

```
pec241 <- fetch_proposicao_from_votacao(7252)
```

```
fetch_relacionadas
```

Fetches all propositions related to a proposition

Description

Returns all propositions related to a proposition by its id.

Usage

```
fetch_relacionadas(id_prop)
```

Arguments

id_prop Proposition's ID

Value

Dataframe containing all the related propositions.

See Also

[fetch_id_proposicao](#)

Examples

```
relacionadas_pec241 <- fetch_relacionadas(2088351)
```

fetch_tipo_proposicao *Fetches the type of the proposition from its id*

Description

Returns its id, abbreviation, name and description.

Usage

```
fetch_tipo_proposicao(id_tipo_prop)
```

Arguments

id_tipo_prop Proposition's type ID

Value

Dataframe containing the proposition's type info.

Examples

```
tipo_prop129 <- fetch_tipo_proposicao(129)
```

fetch_votacao *Fetches details about a voting*

Description

Fetches details about a voting.

Usage

```
fetch_votacao(id_votacao = NULL)
```

Arguments

id_votacao Voting's ID

Value

Dataframe containing details about a voting, including tittle, start voting time, finish voting time, result and approval

See Also[fetch_votos](#)**Examples**

```
segundoturno_pec241 <- fetch_votacao(7252)
```

fetch_votacoes	<i>Fetches all the votings which a proposition went through</i>
----------------	---

Description

Returns all the votings related to a proposition by its id.

Usage

```
fetch_votacoes(id_prop)
```

Arguments

id_prop Proposition's ID

Value

Dataframe containing all the votings.

See Also[fetch_id_proposicao](#), [fetch_proposicao_from_votacao](#)**Examples**

```
votacoes_pec241 <- fetch_votacoes(2088351)
```

fetch_votos	<i>Fetches individual votes from a voting</i>
-------------	---

Description

Some other informations about the deputy are returned, such as: name, party, id.

Usage

```
fetch_votos(id_votacao = NULL)
```

Arguments

id_votacao Voting's ID

Details

DETAILS

Value

Dataframe containing votes for each deputy on this voting.

See Also

[fetch_votacao](#)

Examples

```
votos_pec241 <- fetch_votos(7252)
```

get_votos_partidos	<i>Fetches the positions by party on a voting</i>
--------------------	---

Description

Fetch how parties in the chamber of deputies instructed their members to vote on a given voting.

Usage

```
get_votos_partidos(votacao = NULL)
```

Arguments

votacao Voting's id

Value

Dataframe with each party's orientation for its deputies.

See Also

[fetch_orientacoes](#)

Examples

```
pos_partidos <- get_votos_partidos(7252)
```

rcongresso	<i>rcongresso: R Package to access Brazil's national congress data based on its RESTful API.</i>
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Description

The package wraps API endpoints for propositions, deputies, votings and votes.

Details

See more on references.

References

<https://dadosabertos.camara.leg.br/swagger/api.html>

ultima_votacao	<i>Gets the last voting on a given voting</i>
----------------	---

Description

Filters only the last voting from each proposition in the dataframe.

Usage

```
ultima_votacao(votacoes = NULL)
```

Arguments

votacoes Dataframe containing all the votings related to a proposition

Value

Dataframe containing only the last voting related to a proposition

Examples

```
votacoes_pec241 <- fetch_votacoes(2088351)
ultima_votacao <- ultima_votacao(votacoes_pec241)
```

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