

Package ‘rcongresso’

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Type Package

Title Wraps the API for the Brazilian Chamber of Deputies

Version 0.3.1

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 Chamber of Deputies <<https://dadosabertos.camara.leg.br>> in data frames.

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Encoding UTF-8

LazyData true

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

Suggests testthat, compare, readr, knitr, rmarkdown, DT, ggplot2, purrr

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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, idLegislatura = NULL, siglaUf = NULL,
  siglaPartido = NULL, siglaSexo = NULL, itens = NULL,
  ordenarPor = NULL)
```

Arguments

id	deputy's ID
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 by request
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 using its id

Description

Fetches expenditures from deputy with his/her parliamentary quota in the last six months.

Usage

```
fetch_despesas_deputado(dep_id)
```

Arguments

dep_id deputy's ID

Value

Dataframe containing details about the deputy's expenditures

Examples

```
gastos_abel_mesquita <- fetch_despesas_deputado(dep_id = 178957)
```

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_proposicao](#)

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)
```

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_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

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)
```

Arguments

id_votacao Voting's ID

Value

Dataframe containing proposition details

Examples

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

`fetch_status_proposicao`*Recovers the proposition status in the parliament*

Description

Recovers the proposition status including: sequence, organ and date info about its processing in the parliament.

Usage

```
fetch_status_proposicao(id_prop)
```

Arguments

`id_prop` Proposition's ID

Value

Dataframe containing the proposition's status

See Also

[fetch_proposicao](#), [fetch_id_proposicao](#)

Examples

```
pec241_status <- fetch_status_proposicao(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_ultimo_status_deputado
```

Fetches the last information about the deputy's mandate

Description

Fetches information such as party and electoral name.

Usage

```
fetch_ultimo_status_deputado(dep_id)
```

Arguments

dep_id deputy's ID

Value

Dataframe containing details about deputy's party, electoral name and url photo

Examples

```
abel_mesquita_ultimo_estado <- fetch_ultimo_status_deputado(dep_id = 178957)
```

```
fetch_votacao
```

Fetches details about a voting

Description

Fetches details about a voting.

Usage

```
fetch_votacao(id_votacao)
```

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)
```

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)
```

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)
```

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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