

Package ‘alepe’

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Title Access the Open Data API of the Legislative Assembly of Pernambuco

Version 0.1.0

Description A tidy interface to the open data API of the Legislative Assembly of the State of Pernambuco, Brazil ('ALEPE', <<https://dadosabertos.alepe.pe.gov.br>>). Retrieve data on representatives, staff, positions, departments, remuneration, contracts, procurement processes, and legislative propositions as tibbles with clean names and parsed column types. Requests are cached locally and retried with exponential backoff; network failures are handled gracefully.

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URL <https://github.com/StrategicProjects/alepe>,
<https://strategicprojects.github.io/alepe/>

BugReports <https://github.com/StrategicProjects/alepe/issues>

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alepe_aliases	<i>Portuguese aliases</i>
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Description

Every endpoint function has an alias named after the API endpoint it wraps, for analysts who would rather keep their whole pipeline in Portuguese. The aliases are ordinary functions with the same arguments, the same defaults and the same return value as their English counterparts — only the name differs.

Usage

```
alepe_parlamentares(refresh = FALSE)

alepe_servidores(status = NULL, refresh = FALSE)

alepe_cargos(status = NULL, refresh = FALSE)

alepe_lotacoes(refresh = FALSE)

alepe_remuneracao(refresh = FALSE)

alepe_contratos(refresh = FALSE)

alepe_licitacoes(refresh = FALSE)
```

```

alepe_projetos(numero = NULL, ano = NULL, legislatura = NULL, refresh = FALSE)

alepe_indicacoes(
  numero = NULL,
  ano = NULL,
  legislatura = NULL,
  refresh = FALSE
)

alepe_requerimentos(
  numero = NULL,
  ano = NULL,
  legislatura = NULL,
  refresh = FALSE
)

alepe_limpar_cache()

```

Arguments

refresh	If TRUE, bypass the local cache.
status	Employment status filter. One of "permanent", "commissioned", or "seconded" (the original API terms "efetivo", "comissionado", and "a-disposicao" are also accepted), or NULL (default) for all.
numero	Portuguese spelling of number.
ano	Portuguese spelling of year.
legislatura	Portuguese spelling of legislature.

Details

Portuguese	English
alepe_parlamentares()	alepe_representatives()
alepe_servidores()	alepe_staff()
alepe_cargos()	alepe_positions()
alepe_lotacoes()	alepe_departments()
alepe_remuneracao()	alepe_remuneration()
alepe_contratos()	alepe_contracts()
alepe_licitacoes()	alepe_procurements()
alepe_projetos()	alepe_bills()
alepe_indicacoes()	alepe_indications()
alepe_requerimentos()	alepe_requests()
alepe_limpar_cache()	alepe_cache_clear()

Names are written without accents, since accented characters in R identifiers are awkward to type and travel badly between locales.

Argument *values* follow the same both-ways rule: `status` accepts the English vocabulary and the original API terms alike, so `alepe_servidores(status = "efetivo")` and `alepe_staff(status = "permanent")` are the same query.

Value

The same tibble the corresponding English function returns.

Examples

```
alepe_parlamentares()
alepe_servidores(status = "efetivo")
alepe_projetos(ano = 2024)
```

alepe_bills	<i>Query legislative propositions</i>
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Description

Retrieves legislative propositions from the Assembly: bills (`alepe_bills()`), indications (`alepe_indications()`), and requests (`alepe_requests()`). Two query modes are supported by the API:

Usage

```
alepe_bills(number = NULL, year = NULL, legislature = NULL, refresh = FALSE)

alepe_indications(
  number = NULL,
  year = NULL,
  legislature = NULL,
  refresh = FALSE
)

alepe_requests(number = NULL, year = NULL, legislature = NULL, refresh = FALSE)
```

Arguments

- | | |
|-------------|--|
| number | Proposition number, for the detail mode. Requires year. |
| year | Filter by year (listing mode) or select the proposition (detail mode). |
| legislature | Filter by legislature number (listing mode). |
| refresh | If TRUE, bypass the local cache. |

Details

- **Detail:** pass number and year to fetch the full record of a single proposition.
- **Listing:** pass year and/or legislature to fetch summaries of multiple propositions. When no filter is given, the API defaults to the current year.

These endpoints serve structured data as XML embedded in CSV; the package parses the XML fields into regular columns, with names normalized to snake_case and HTML markup stripped from free-text fields.

Value

A tibble. In listing mode, one row per proposition with docid, numero, ano, legislatura, tipo, subtipo, ementa, data_publicacao (Date), and autores (author names, ;-separated). In detail mode, a single row with numero, ano, legislatura, tipo, autores, ementa, materia, justificativa, regime_tramitacao, impacto_orcamentario, resultado_final, data_publicacao (Date), numero_dpl, and lotacao_atual. On network failure, a zero-column tibble (with a warning).

Examples

```
# All bills of the current year
alepe_bills()

# One specific bill
alepe_bills(number = 100, year = 2024)
```

alepe_cache_dir	<i>Cache directory used by alepe</i>
-----------------	--------------------------------------

Description

Responses from the ALEPE API are cached on disk to avoid repeated downloads. The location follows `tools::R_user_dir()`, as required by CRAN policy. Cached entries expire after `getOption("alepe.cache_max_age", 6 * 3600)` seconds.

Usage

```
alepe_cache_dir()

alepe_cache_clear()
```

Value

The cache directory path, invisibly for `alepe_cache_clear()`.

Examples

```
alepe_cache_dir()
```

alepe_contracts	<i>List administrative contracts</i>
-----------------	--------------------------------------

Description

Retrieves the Assembly's administrative contracts, including modality, contractor name and tax id (CPF/CNPJ), object, value, originating procurement process, and validity period.

Usage

```
alepe_contracts(refresh = FALSE)
```

Arguments

refresh	If TRUE, bypass the local cache.
---------	----------------------------------

Value

A tibble with one row per contract: modalidade, numero_contrato, ano, contratada, cpf_cnpj, objeto, valor (numeric, BRL), numero_licitacao, ano_licitacao, vigencia_inicio, and vigencia_fim (Date). Identifier fields are kept as published by the API. Zero rows (with a warning) on network failure.

Examples

```
alepe_contracts()
```

alepe_departments	<i>Count staff by department</i>
-------------------	----------------------------------

Description

Retrieves the number of active staff members grouped by department (lotacao) and employment status. The reference period is fixed by the API and excludes retired staff.

Usage

```
alepe_departments(refresh = FALSE)
```

Arguments

refresh	If TRUE, bypass the local cache.
---------	----------------------------------

Value

A tibble with total, nome_lotacao, and vinculo. Zero rows (with a warning) on network failure.

Examples

```
alepe_departments()
```

alepe_positions	<i>Count staff by position</i>
-----------------	--------------------------------

Description

Retrieves the number of staff members per position/level, optionally filtered by employment status.

Usage

```
alepe_positions(status = NULL, refresh = FALSE)
```

Arguments

status	Employment status filter. One of "permanent", "commissioned", or "seconded" (the original API terms "efetivo", "comissionado", and "a-disposicao" are also accepted), or NULL (default) for all.
refresh	If TRUE, bypass the local cache.

Value

A tibble with total and cargo_nivel. Zero rows (with a warning) on network failure.

Examples

```
alepe_positions(status = "commissioned")
```

alepe_procurements	<i>List procurement processes</i>
--------------------	-----------------------------------

Description

Retrieves the Assembly's procurement (bidding) processes, including process number and year, modality, object, estimated and awarded values, winner, and status.

Usage

```
alepe_procurements(refresh = FALSE)
```

Arguments

refresh	If TRUE, bypass the local cache.
---------	----------------------------------

Value

A tibble with one row per procurement process: `numero_processo`, `ano`, `numero_modalidade`, `modalidade`, `objeto`, `valor_estimado` (numeric, BRL), `status`, `vencedor`, and `valor_adjudicado` (numeric, BRL). Value and winner fields are NA when the process has not been decided. Zero rows (with a warning) on network failure.

Examples

```
alepe_procurements()
```

<code>alepe_remuneration</code>	<i>List remuneration by position</i>
---------------------------------	--------------------------------------

Description

Retrieves position remuneration values published by the Assembly for the current reference month.

Usage

```
alepe_remuneration(refresh = FALSE)
```

Arguments

`refresh` If TRUE, bypass the local cache.

Value

A tibble with `cargo`, `remuneracao` (numeric, BRL), `tipo_cargo`, `mes_competencia`, and `ano_competencia`. Zero rows (with a warning) on network failure.

Examples

```
alepe_remuneration()
```

alepe_representatives *List current state representatives*

Description

Retrieves the members of the current legislature of the Legislative Assembly of Pernambuco, with name and party.

Usage

```
alepe_representatives(refresh = FALSE)
```

Arguments

refresh If TRUE, bypass the local cache.

Value

A tibble with one row per representative: nome_parlamentar and partido. On network failure a warning is issued and a zero-row tibble with the same columns is returned.

Examples

```
alepe_representatives()
```

alepe_staff *List ALEPE staff*

Description

Retrieves the Assembly's staff roster, optionally filtered by employment status.

Usage

```
alepe_staff(status = NULL, refresh = FALSE)
```

Arguments

status Employment status filter. One of "permanent", "commissioned", or "seconded" (the original API terms "efetivo", "comissionado", and "a-disposicao" are also accepted), or NULL (default) for all.

refresh If TRUE, bypass the local cache.

Value

A tibble with one row per staff member: `nome`, `codigo_lotacao`, `nome_lotacao`, `cargo_efetivo`, `cargo_nivel`, `vinculo`, and `data_admissao` (Date). Zero rows (with a warning) on network failure.

Examples

```
alepe_staff(status = "permanent")
```

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