Package ‘readaec’

March 10, 2026

Title Access Australian Electoral Commission Data

Version 0.1.1

Description Provides clean, tidy access to Australian Electoral Commission (AEC) federal election data. Includes results for the House of Representatives and Senate from 2007 onwards, at both division and polling place level. Data is downloaded directly from the AEC <https://results.aec.gov.au> on first use and cached locally for subsequent calls.

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Encoding UTF-8

Language en-AU

RoxygenNote 7.3.3

Imports httr2, readr, dplyr, cli, rappdirs, glue

Suggests ggplot2, purrr, tidyr, sf, knitr, rmarkdown, testthat (>= 3.0.0)

Config/testthat/edition 3

VignetteBuilder knitr

URL https://github.com/charlescoverdale/readaec

BugReports https://github.com/charlescoverdale/readaec/issues

NeedsCompilation no

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`clear_cache` *Clear the local AEC data cache*

Description

Deletes all files downloaded and cached by readaec. The next function call will re-download fresh data from the AEC.

Usage

```
clear_cache()
```

Value

Invisibly returns `NULL`. Called for its side effect of deleting cached files.

Examples

```
clear_cache()
```

`get_candidates` *Get all candidates for an election*

Description

Get all candidates for an election

Usage

```
get_candidates(year, chamber = "house")
```

Arguments

`year`	Election year. Use `list_elections()` to see available years.
`chamber`	"house" or "senate".

Value

A tidy data frame of candidates.

Examples

```
get_candidates(2022)
get_candidates(2022, chamber = "senate")
```

`get_enrolment` *Get enrolment by division*

Description

Get enrolment by division

Usage

```
get_enrolment(year)
```

Arguments

`year`	Election year. Use `list_elections()` to see available years.

Value

A tidy data frame of enrolment figures by division.

Examples

```
get_enrolment(2022)
```

get_fp — *Get first preference votes by division*

Description

Get first preference votes by division

Usage

```
get_fp(year)
```

Arguments

year	Election year. Use `list_elections()` to see available years.

Value

A tidy data frame of first preference votes by division.

Examples

```
get_fp(2022)
```

get_fp_by_booth — *Get first preference votes by polling place*

Description

Get first preference votes by polling place

Usage

```
get_fp_by_booth(year, state = NULL)
```

Arguments

year	Election year. Use `list_elections()` to see available years.
state	Filter to a specific state (e.g. "VIC"). NULL returns all states.

Value

A tidy data frame of first preference votes by polling place.

Examples

```
get_fp_by_booth(2022, state = "VIC")
```

get_members_elected *Get members elected to the House of Representatives*

Description

Get members elected to the House of Representatives

Usage

```
get_members_elected(year)
```

Arguments

year	Election year. Use list_elections() to see available years.

Value

A tidy data frame of elected members.

Examples

```
get_members_elected(2022)
```

get_polling_places *Get polling place locations*

Description

Returns all polling place addresses and coordinates for a given election.

Usage

```
get_polling_places(year, division = NULL)
```

Arguments

year	Election year. Use list_elections() to see available years.
division	Filter to a specific division name. NULL returns all.

Value

A tidy data frame of polling places with lat/lon coordinates.

Examples

```
get_polling_places(2022)
get_polling_places(2022, division = "Kooyong")
```

get_senate — *Get Senate first preference votes by state*

Description

Get Senate first preference votes by state

Usage

```
get_senate(year)
```

Arguments

year	Election year. Use `list_elections()` to see available years.

Value

A tidy data frame of Senate first preference votes by state.

Examples

```
get_senate(2022)
```

get_swing — *Compare TPP results between two elections*

Description

Calculates the change in two-party preferred vote share between any two federal elections. Joins on division ID (not name) to handle renamed divisions correctly. Divisions that don't appear in both elections are flagged rather than silently dropped.

Usage

```
get_swing(from, to, division = NULL, state = NULL)
```

Arguments

from	Election year to compare from. Use `list_elections()` to see available years.
to	Election year to compare to.
division	Optionally filter to one or more division names.
state	Optionally filter to a state abbreviation (e.g. "VIC").

Value

A data frame with one row per division containing:

- `division` Division name (from the later election)
- `division_id` AEC division ID
- `state` State abbreviation
- `alp_pct_from`, `alp_pct_to` ALP TPP percentage in each election
- `lnp_pct_from`, `lnp_pct_to` LNP TPP percentage in each election
- `alp_swing` Change in ALP TPP (positive = swing to ALP)
- `lnp_swing` Change in LNP TPP (positive = swing to LNP)
- `winner_from`, `winner_to` Winning party in each election
- `seat_changed` TRUE if the seat changed hands
- `redistribution_flag` TRUE if the division only appears in one election

Examples

```
# National swing 2019 to 2022
get_swing(2019, 2022)

# Teal seats in Victoria
get_swing(2019, 2022, state = "VIC")

# A single seat
get_swing(2019, 2022, division = "Kooyong")

# Long-run comparison
get_swing(2013, 2025)
```

`get_tcp` *Get two-candidate preferred votes by division*

Description

Get two-candidate preferred votes by division

Usage

```
get_tcp(year)
```

Arguments

- `year` Election year. Use `list_elections()` to see available years.

Value

A tidy data frame of TCP votes by division.

Examples

```
get_tcp(2022)
```

---

get_tpp — *Get two-party preferred votes by division*

Description

Get two-party preferred votes by division

Usage

```
get_tpp(year)
```

Arguments

year	Election year. Use `list_elections()` to see available years.

Value

A tidy data frame of TPP votes by division.

Examples

```
get_tpp(2022)
```

---

get_tpp_by_booth — *Get two-party preferred votes by polling place*

Description

Get two-party preferred votes by polling place

Usage

```
get_tpp_by_booth(year)
```

Arguments

year	Election year. Use `list_elections()` to see available years.

Value

A tidy data frame of TPP votes by polling place.

Examples

```
get_tpp_by_booth(2022)
```

---

get_turnout *Get turnout by division*

Description

Get turnout by division

Usage

```
get_turnout(year)
```

Arguments

year	Election year. Use `list_elections()` to see available years.

Value

A tidy data frame of turnout figures by division.

Examples

```
get_turnout(2022)
```

---

list_elections *List all available federal elections*

Description

List all available federal elections

Usage

```
list_elections()
```

Value

A data frame with one row per election, including columns `year`, `date`, `event_id`, `type`, and `has_downloads`. The `has_downloads` column is `TRUE` for years where AEC CSV downloads are available (2007 onwards). The 2001 and 2004 elections are listed for reference but their data cannot be fetched.

Examples

```
list_elections()

# Only years with downloadable data
list_elections()[list_elections()$has_downloads, ]
```

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