

Package: realestatebr (via r-universe)

May 30, 2026

Type Package

Title Import Brazilian Real Estate Data into R

Version 1.0.0

Description Provides access to Brazilian real estate market data from multiple official sources: the Central Bank of Brazil (BCB) <<https://www.bcb.gov.br/>>, the Brazilian Association of Real Estate Developers (ABRAINC) <<https://abrainc.org.br/>>, the Brazilian Association of Real Estate Credit and Savings Entities (ABECIP) <<https://www.abecip.org.br/>>, the Getulio Vargas Foundation (FGV) <<https://portalibre.fgv.br/>>, and the Bank for International Settlements (BIS) <<https://www.bis.org/>>.

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URL <https://github.com/viniciusoike/realestatebr>,
<https://viniciusoike.github.io/realestatebr/>

BugReports <https://github.com/viniciusoike/realestatebr/issues>

Encoding UTF-8

Language en-US

LazyData true

Depends R (>= 4.1.0)

RoxygenNote 7.3.3

Imports cli, dplyr, httr, janitor, lubridate, purrr, rcb, readr, readxl, rlang, rvest, stringr, tibble, tidyr, tidyxl, xml2, yaml, zoo

Roxygen list(markdown = TRUE)

Suggests geobr, ggplot2, kableExtra, knitr, pkgdown, RcppRoll, rmarkdown, scales, sf, stringi, targets, tarchetypes, testthat, trendseries

VignetteBuilder knitr

Config/pak/sysreqs libicu-dev libxml2-dev libssl-dev libx11-dev

Repository <https://viniciusoike.r-universe.dev>

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b3_real_estate	<i>Real Estate Players listed on B3</i>
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Description

List of main Brazilian real estate players listed on B3.

Usage

```
b3_real_estate
```

Format

b3_real_estate:

A tibble with 38 rows and 3 columns:

symbol Stock ticker.

name Full company name.

name_short A shorter version of the company name.

Source

B3

bcb_metadata	<i>Brazilian Central Bank Series Metadata</i>
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Description

A table with metadata for BCB economic series. Use with `get_dataset("bcb_series")`. The `hierarchy` column controls which series are returned by default: pass `table = "core"` for the most relevant real estate series, or a broader level for more macroeconomic context (see [get_dataset](#)).

Usage

```
bcb_metadata
```

Format

`bcb_metadata`:

A data frame with 140 rows and 11 columns:

code_bcb Numeric code identifying the series.

bcb_category Category of the series.

name_simplified Simplified name of the series.

name_pt Full name of the series in Portuguese.

name Full name of the series in English.

unit Unit of the series.

frequency Frequency of the series.

first_value Date of the first available observation.

last_value Date of the last available observation.

source Source of the series.

hierarchy Integer relevance tier: 1 = core real estate credit series; 2 = primary (key macro series such as SELIC, IPCA, INCC); 3 = secondary (broader macro context); 4 = tertiary (less relevant or discontinued series).

Source

Brazilian Central Bank (BCB)

<code>clear_session_cache</code>	<i>Clear the In-Session Dataset Memo</i>
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Description

Drops every dataset memoised during the current R session. Useful when iterating during development or to force re-fetch without restarting R.

Usage

```
clear_session_cache()
```

Value

NULL, invisibly.

Examples

```
clear_session_cache()
```

dim_city	<i>Brazilian city identifier table</i>
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Description

A table with official IBGE identifiers for all Brazilian cities.

Usage

```
dim_city
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 5570 rows and 9 columns.

Details

A tibble with 5,570 rows and 8 columns:

code_muni 7-digit IBGE code identifying the city.

name_muni Name of the city.

code_state 2-digit IBGE code identifying the state.

name_state Name of the state.

code_region 1-digit IBGE code identifying the region

name_region Name of the region

name_simplified Simplified version of the city name for easier subsetting.

Source

IBGE (Brazilian Institute of Geography and Statistics)

get_dataset	<i>Get Dataset</i>
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Description

Unified interface for accessing all realestatebr datasets. Resolves data from the package's GitHub release assets when possible (fast, pre-processed, updated weekly by CI) and falls back to a fresh download from the original source. Repeated calls within one R session are served from an in-memory memo to avoid redundant network traffic.

Usage

```
get_dataset(  
  name,  
  table = NULL,  
  source = "auto",  
  date_start = NULL,  
  date_end = NULL,  
  ...  
)
```

Arguments

name	Character. Dataset name (see list_datasets for options).
table	Character. Specific table within a multi-table dataset. See get_dataset_info for available tables per dataset.
source	Character. Data source preference: "auto" Use the in-session memo if available, otherwise GitHub releases, otherwise fresh download (default). "github" Pre-processed asset from the package's GitHub release. "fresh" Fresh download from the original source. Use clear_session_cache to drop the in-session memo.
date_start	Date. Start date for time series filtering (where applicable).
date_end	Date. End date for time series filtering (where applicable).
...	Additional arguments passed to internal dataset functions.

Value

A tibble or named list, depending on the dataset. Use [get_dataset_info](#) to inspect the expected structure.

See Also

[list_datasets](#) for available datasets, [get_dataset_info](#) for dataset details, [clear_session_cache](#) to drop the in-session memo.

Examples

```
abecip_data <- get_dataset("abecip")  
  
sbpe_data <- get_dataset("abecip", table = "sbpe")  
  
bcb_recent <- get_dataset("bcb_series", date_start = as.Date("2020-01-01"))
```

get_dataset_info *Get Dataset Information*

Description

Returns detailed metadata for a single dataset, including available tables and source information.

Usage

```
get_dataset_info(name)
```

Arguments

name Character. Dataset identifier (see [list_datasets](#) for options).

Value

A named list with the following elements:

metadata Title, description, geography, frequency, and coverage.

categories Available tables/subtables and their descriptions.

source_info Source organization and URL.

technical_info Cached file names and translation notes.

Examples

```
info <- get_dataset_info("abecip")  
str(info)
```

list_datasets	<i>List Available Datasets</i>
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Description

Returns a tibble describing all datasets available in the realestatebr package. Optionally filter by category, source organization, or geographic coverage.

Usage

```
list_datasets(category = NULL, source = NULL, geography = NULL)
```

Arguments

category	Optional character. Keyword matched against the dataset description (e.g., "indicators", "prices", "credit").
source	Optional character. Filter by data source organization (e.g., "BCB", "FIPE", "ABRAINC").
geography	Optional character. Filter by geographic coverage (e.g., "Brazil", "São Paulo").

Value

A tibble with one row per dataset and the following columns:

- name** Dataset identifier used with [get_dataset](#).
- title** English dataset name.
- title_pt** Portuguese dataset name.
- description** Brief description.
- source** Data source organization.
- geography** Geographic coverage.
- frequency** Update frequency.
- coverage** Time period covered.
- available_tables** Comma-separated table names for multi-table datasets.

See Also

[get_dataset](#) for retrieving data, [get_dataset_info](#) for detailed metadata on a single dataset.

Examples

```
list_datasets()

list_datasets(source = "BCB")
```

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