

Package: ihpdr (via r-universe)

September 3, 2024

Title Download Data from the International House Price Database

Version 1.3.0

Description Web scraping the <<https://www.dallasfed.org>> for up-to-date data on international house prices and exuberance indicators. Download data in tidy format.

License GPL-3

URL <https://github.com/kvasilopoulos/ihpdr>

BugReports <https://github.com/kvasilopoulos/ihpdr/issues>

Imports curl (>= 4.3), dplyr (>= 0.8.3), httr (>= 1.4.0), lubridate (>= 1.7.4), magrittr (>= 1.5), purrr (>= 0.3.2), readxl (>= 1.3.1), rlang (>= 0.4.0), rvest (>= 0.3.4), tidyr (>= 0.8.3), xml2 (>= 1.2.0)

Suggests covr (>= 3.5.0), spelling (>= 2.1.0), testthat (>= 2.1.0)

Encoding UTF-8

Language en-US

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.1

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

RemoteUrl <https://github.com/kvasilopoulos/ihpdr>

RemoteRef HEAD

RemoteSha 4db518bcc29b11e9f4aae9e62eeac6150bf8c183

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ihpd_browse	<i>Quickly browse to important links</i>
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Description

This function take you to webpages associated with the International House Price Database and returns the url invisibly. Option app take you the International Housing Observatory, while info take you to Dallas Fed info page of the data.

Usage

```
ihpd_browse(pick = c("info", "app"))
```

Arguments

pick whether to browse the shiny info or the app page. Defaults at info.

Examples

```
ihpd_browse()
```

ihpd_countries	<i>List all the countries</i>
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Description

List all the countries

Usage

```
ihpd_countries(version = NULL)
```

Arguments

version Which version to download. Version number should be a character of the following format %Y%q (e.g. '1801' - corresponds to year 2018, Quarter 1). Versions start from '1102'. Defaults at the latest available.

Value

A character vector all the countries.

Examples

```
ihpd_countries()
```

ihpd_get

*Download Data from the International House Price Database***Description**

Available downloads:

1. raw: Raw Data
2. gsadf: Generalized sup ADF statistics
3. bsadf: Backward sup ADF statistic sequence

Usage

```
ihpd_get(symbol = c("raw", "gsadf", "bsadf"), version = NULL, verbose = TRUE)
```

Arguments

symbol	Which dataset to download.
version	Which version to download. Version number should be a character of the following format %Y%q (e.g. '1801' - corresponds to year 2018, Quarter 1). Versions start from '1102'. Defaults at the latest available.
verbose	whether to print the url of the excel file that is accessing.

Details**raw** Includes the following time series for the countries covered:

- hpi: The house price index.
- rhpi: The house price index expressed in real terms.
- pdi: The personal disposable income index.
- rpdi: The personal disposable income expressed in real terms index.

All variables in real terms are deflated with the personal consumption expenditure (PCE) deflator.

The exuberance indicators include

gsadf

- type: real house price index (rhpi) and the ratio of rhpi to real personal disposable income (rpdi)
- lag: lag length of 1 and 4
- sig: significance level for the critical value
- value: test statistics for explosive behavior
- crit: 95 percent critical values.

bsadf The exuberance indicators include

- type: real house price index (rhpi) and the ratio of rhpi to real personal disposable income (rpdi)
- lag: lag length of 1 and 4,
- value: test statistics for explosive behavior
- crit: 95 percent critical values.

Value

Returns a tibble in long format.

Examples

```
ihpd_get()
```

ihpd_release_dates	<i>Fetches the latest release dates</i>
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Description

Fetches the latest release dates

Usage

```
ihpd_release_dates()
```

Value

A data.frame with 2 variables with the latest release dates data.

Examples

```
ihpd_release_dates()
```

ihpd_versions	<i>Get all the available versions</i>
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Description

Get all the available versions

Usage

```
ihpd_versions()
```

Value

A character vector with all the available versions.

Examples

```
ihpd_versions()
```

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