

Package ‘hudr’

March 29, 2022

Encoding UTF-8

Language en-US

Type Package

Title Providing Data from the US Department of Housing and Urban Development

Version 1.0.0

Date 2022-03-29

Author Paul Richardson

Maintainer Paul Richardson <p.richardson.54391@gmail.com>

Description Provides functions to access data from the US Department of Housing and Urban Development <<https://www.huduser.gov/portal/dataset/fmr-api.html>>.

License GPL (>= 3)

Depends R (>= 3.5.0)

Imports magrittr, data.table, janitor, http

RoxygenNote 7.1.1

NeedsCompilation no

Repository CRAN

Date/Publication 2022-03-29 19:20:02 UTC

R topics documented:

| | |
|------------------------------------|---|
| hudr-package | 2 |
| get_hud_fmr_data | 2 |
| get_hud_fmr_listcounties | 3 |
| get_hud_fmr_listmetros | 4 |
| get_hud_fmr_liststates | 5 |
| get_hud_fmr_statedata | 6 |
| get_hud_il_data | 7 |
| get_hud_il_statedata | 8 |

| | |
|--------------|----------|
| Index | 9 |
|--------------|----------|

| | |
|--------------|---|
| hudr-package | <i>Package that provides data from HUD.</i> |
|--------------|---|

Description

Provides functions to access data from the US Department of Housing and Urban Development <<https://www.huduser.gov/portal/dataset/fmr-api.html>>.

Details

Provides data from the US Department of Housing and Urban Development (HUD).

References

<<https://www.huduser.gov/portal/dataset/fmr-api.html>>

| | |
|------------------|---|
| get_hud_fmr_data | <i>Get HUD Fair Market Rent data at the County or MSA Level from HUD.</i> |
|------------------|---|

Description

Provides fair market rent data at the County and MSA level from HUD.

Usage

```
get_hud_fmr_data(entityid = "METR010180M10180", year, hud_key)
```

Arguments

| | |
|----------|---|
| entityid | Character string containing the 'fips_code' from get_hud_fmr_listcounties(...) or 'cbsa_code' from get_hud_fmr_listmetros(...). |
| year | Character string indicating the year. |
| hud_key | Character string indicating your API key from HUD. |

Details

Provides fair market rent data at the County and MSA level from HUD.

Value

A list of data tables containing fair market rent data from HUD.

Author(s)

Paul Richardson

Examples

```
## Not run:
library(hudr)

hud_key <- Sys.getenv("HUD_API_KEY")

cbsa_codes <- get_hud_fmr_listmetros(hud_key = hud_key)
cnty_codes <- get_hud_fmr_listcounties(hud_key = hud_key)

fmr_msa_dt <- get_hud_fmr_data(entityid = cbsa_codes$cbsa_code[1],
                             year = "2020",
                             hud_key = hud_key)
fmr_cnty_dt <- get_hud_fmr_data(entityid = cnty_codes$fips_code[1],
                               year = "2020",
                               hud_key = hud_key)

## End(Not run)
```

`get_hud_fmr_listcounties`

Get HUD List of County Codes data.

Description

Provides list of county codes data from HUD.

Usage

```
get_hud_fmr_listcounties(stateid = "AL", hud_key)
```

Arguments

| | |
|----------------------|--|
| <code>stateid</code> | Character string indicating the state. |
| <code>hud_key</code> | Character string indicating your API key from HUD. |

Details

Provides list of county codes data from HUD.

Value

A data table containing a list of county codes from HUD.

Author(s)

Paul Richardson

Examples

```
## Not run:  
library(hudr)  
  
hud_key <- Sys.getenv("HUD_API_KEY")  
  
state_codes <- get_hud_fmr_listcounties(hud_key = hud_key)  
  
## End(Not run)
```

get_hud_fmr_listmetros

Get HUD List of MSA Codes data.

Description

Provides list of MSA codes data from HUD.

Usage

```
get_hud_fmr_listmetros(hud_key)
```

Arguments

hud_key Character string indicating your API key from HUD.

Details

Provides list of MSA codes from HUD.

Value

A data table containing a list of MSA codes from HUD.

Author(s)

Paul Richardson

Examples

```
## Not run:  
library(hudr)  
  
hud_key <- Sys.getenv("HUD_API_KEY")  
  
cbsa_codes <- get_hud_fmr_listmetros(hud_key = hud_key)  
  
## End(Not run)
```

get_hud_fmr_liststates

Get HUD List of State Codes data.

Description

Provides list of state codes data from HUD.

Usage

```
get_hud_fmr_liststates(hud_key)
```

Arguments

hud_key Character string indicating your API key from HUD.

Details

Provides list of state codes data from HUD.

Value

A data table containing a list of state codes from HUD.

Author(s)

Paul Richardson

Examples

```
## Not run:  
library(hudr)  
  
hud_key <- Sys.getenv("HUD_API_KEY")  
  
state_codes <- get_hud_fmr_liststates(hud_key = hud_key)  
  
## End(Not run)
```


Index

[get_hud_fmr_data](#), [2](#)
[get_hud_fmr_listcounties](#), [3](#)
[get_hud_fmr_listmetros](#), [4](#)
[get_hud_fmr_liststates](#), [5](#)
[get_hud_fmr_statedata](#), [6](#)
[get_hud_il_data](#), [7](#)
[get_hud_il_statedata](#), [8](#)

[hudr \(hudr-package\)](#), [2](#)
[hudr-package](#), [2](#)