

Package ‘ibb’

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Title R Wrapper for Istanbul Municipality Open Data Portal

Version 0.0.2

Description Call wrappers for Istanbul Metropolitan Municipality's Open Data Portal (Turkish: İstanbul Büyükşehir Belediyesi Açık Veri Portalı) at <<https://data.ibb.gov.tr/en/>>.

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URL <https://github.com/berkorbay/ibb>

BugReports <https://github.com/berkorbay/ibb/issues>

Depends R (>= 3.4)

Imports dplyr, httr, jsonlite, rlang (>= 0.1.2), magrittr, tibble, tidyselect

Suggests testthat (>= 2.1.0), covr, roxygen2

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

NeedsCompilation no

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call_data_ibb	<i>Fundamental Call Function</i>
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Description

Fundamental call function of (almost) all IBB Open Data Portal (exceptions apply)

Usage

```
call_data_ibb(
    call_phrase = "",
    root_url = "https://data.ibb.gov.tr/api/3/action/"
)
```

Arguments

call_phrase	Suffix of the call url.
root_url	Root of the calls.

change_language_to_english	<i>Change Language to English</i>
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Description

Changes API language to English

Usage

```
change_language_to_english()
```

get_all_data_sources *Get All Data Sources*

Description

Get All Data Sources

Usage

```
get_all_data_sources(get_all_info = FALSE)
```

Arguments

get_all_info If TRUE return the whole list, otherwise just return the required result data frame.

get_all_detailed_info *Get Info on All Data Sources*

Description

Get Info on All Data Sources

Usage

```
get_all_detailed_info(verbose = FALSE)
```

Arguments

verbose If TRUE, it prints the track of the data being imported.

get_data_frame_ibb *Get Data Frame from Resource ID Value*

Description

Given a data resource ID, this function returns the data frame.

Usage

```
get_data_frame_ibb(resource_id, limit = "", return_json = FALSE)
```

Arguments

resource_id	Resource ID of the wanted data set. Run get_all_detailed_info to see the available IDs
limit	Maximum number of records
return_json	If TRUE, return a json string instead of a data frame.

Examples

```
## Not run:
get_data_frame_ibt("99d1edb6-a889-4e69-be7b-21a3f90101f1")

## End(Not run)
```

```
get_detailed_info_on_data_source
Get Info on a Data Source
```

Description

Get Info on a Data Source

Usage

```
get_detailed_info_on_data_source(package_id, get_all_info = FALSE)
```

Arguments

package_id	Package ID taken from the package list. Run get_all_detailed_info to see the available IDs
get_all_info	If TRUE return the whole list, otherwise just return the required result data frame.

Examples

```
## Not run:
get_detailed_info_on_data_source("594ca91d-0c71-41da-b50a-c7cd30fab67a")

## End(Not run)
```

```
get_environmental_monitoring_and_control_data
```

Environmental Monitoring and Control Data Based on Location in 2020

Description

It contains environmental monitoring and control data with 13 parameters, measured in 15-minute periods in 38 pre-determined locations in Istanbul for 2020.

Usage

```
get_environmental_monitoring_and_control_data(  
  params = list(limit = Sys.getenv("IBB_QUERY_LIMIT"))  
)
```

Arguments

params List of parameters

Examples

```
## Not run:  
get_environmental_monitoring_and_control_data(params = list(limit = 5))  
  
## End(Not run)
```

```
get_ibt_wifi_daily_data_usage
```

ibtWiFi Daily Data Usage

Description

Data set contains info about number of locations, number of subscribers, number of sessions, number of devices, data usage and usage duration.

Usage

```
get_ibt_wifi_daily_data_usage(  
  params = list(limit = Sys.getenv("IBB_QUERY_LIMIT"))  
)
```

Arguments

params List of parameters

```
get_ibb_wifi_daily_new_subscribers  
    ibbWiFi Daily New Subscribers
```

Description

Data set of new subscribers

Usage

```
get_ibb_wifi_daily_new_subscribers(  
    params = list(limit = Sys.getenv("IBB_QUERY_LIMIT"))  
)
```

Arguments

params List of parameters

```
get_ibb_wifi_new_subscribers_by_location  
    ibbWiFi New Subscribers by Location
```

Description

Data set of new subscribers by subscription location

Usage

```
get_ibb_wifi_new_subscribers_by_location(  
    params = list(limit = Sys.getenv("IBB_QUERY_LIMIT"))  
)
```

Arguments

params List of parameters

`get_iski_call_center_complaint_stats`*Water Outage Complaints and Response Numbers by District in 2019*

Description

Contains information on the number of complaints and responses to water outages and responses from all districts and neighborhoods across Istanbul in 2019, from the Istanbul Water and Sewerage Administration (İSKİ) call center.

Usage

```
get_iski_call_center_complaint_stats(  
    params = list(limit = Sys.getenv("IBB_QUERY_LIMIT"))  
)
```

Arguments

params List of parameters

Examples

```
## Not run:  
get_iski_call_center_complaint_stats(params = list(limit = 5))  
  
## End(Not run)
```

`get_ispark_locations` *Get ISPARK Locations*

Description

Get ISPARK Locations

Usage

```
get_ispark_locations(params = list(limit = Sys.getenv("IBB_QUERY_LIMIT")))
```

Arguments

params List of parameters

Examples

```
## Not run:  
get_ispark_locations(params = list(limit = 5))  
  
## End(Not run)
```

get_park_garden_green_area_data

Park, Garden and Green Area Data for 2019

Description

Includes the number of parks, number of trees maintained, number of sports grounds, length of sports fields, number of playgrounds, number of trees planted, and type of green areas in Istanbul in 2019.

Usage

```
get_park_garden_green_area_data(  
  params = list(limit = Sys.getenv("IBB_QUERY_LIMIT"))  
)
```

Arguments

params List of parameters

Examples

```
## Not run:  
get_park_garden_green_area_data(params = list(limit = 5))  
  
## End(Not run)
```

ibb_data_sources

List of Data Sources

Description

Data frame containing all resource ids and data sources of IBB Open Data Portal

Usage

```
ibb_data_sources
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 205 rows and 23 columns.

set_query_limit	<i>Set Query Limit</i>
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Description

Sets maximum number of returned results

Usage

```
set_query_limit(limit = 100)
```

Arguments

limit	Limit of the maximum results
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