

Package ‘ibb’

July 22, 2025

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/>](https://data.ibb.gov.tr/en/).

License MIT + file LICENSE

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

Author Berk Orbay [aut, cre],
Emrah Er [ctb]

Maintainer Berk Orbay <orbayb@mef.edu.tr>

Repository CRAN

Date/Publication 2021-02-17 15:50:09 UTC

Contents

call_data_ibb	2
change_language_to_english	2
get_all_data_sources	3
get_all_detailed_info	3
get_data_frame_ibb	3
get_detailed_info_on_data_source	4

get_environmental_monitoring_and_control_data	5
get_ibb_wifi_daily_data_usage	5
get_ibb_wifi_daily_new_subscribers	6
get_ibb_wifi_new_subscribers_by_location	6
get_iski_call_center_complaint_stats	7
get_ispark_locations	7
get_park_garden_green_area_data	8
ibb_data_sources	8
set_query_limit	9

Index	10
--------------	-----------

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

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>
----------------------------	-----------------------------------

Description

Changes API language to English

Usage

```
change_language_to_english()
```

get_all_data_sources	<i>Get All Data Sources</i>
----------------------	-----------------------------

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	<i>Get Info on All Data Sources</i>
-----------------------	-------------------------------------

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	<i>Get Data Frame from Resource ID Value</i>
--------------------	--

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_1bb("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_ibb_wifi_daily_data_usage`*ibbWiFi 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_ibb_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_iskark_locations` *Get İSPARK Locations*

Description

Get İSPARK Locations

Usage

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

Arguments

params	List of parameters
--------	--------------------

Examples

```
## Not run:  
get_iskark_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>
-----------------	------------------------

Description

Sets maximum number of returned results

Usage

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

Arguments

limit	Limit of the maximum results
-------	------------------------------

Index

* datasets

ibb_data_sources, [8](#)

call_data_ibb, [2](#)

change_language_to_english, [2](#)

get_all_data_sources, [3](#)

get_all_detailed_info, [3](#)

get_data_frame_ibb, [3](#)

get_detailed_info_on_data_source, [4](#)

get_environmental_monitoring_and_control_data,
[5](#)

get_ibb_wifi_daily_data_usage, [5](#)

get_ibb_wifi_daily_new_subscribers, [6](#)

get_ibb_wifi_new_subscribers_by_location,
[6](#)

get_iski_call_center_complaint_stats,
[7](#)

get_ispark_locations, [7](#)

get_park_garden_green_area_data, [8](#)

ibb_data_sources, [8](#)

set_query_limit, [9](#)