

# Package ‘ibb’

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**Title** R Wrapper for Istanbul Municipality Open Data Portal

**Version** 0.0.1

**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/>>.

**License** MIT + file LICENSE

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

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

**Encoding** UTF-8

**LazyData** true

**Imports** jsonlite, httr, xml2, dplyr

**Depends** R (>= 3.4)

**RoxygenNote** 6.1.1

**Suggests** testthat (>= 2.1.0)

**NeedsCompilation** no

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**Repository** CRAN

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call_data_ibt	<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_ibt(call_phrase = "",
              root_url = "https://data.ibt.gov.tr/api/3/action/")
```

### Arguments

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

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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()
```

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get\_all\_data\_sources    *Get All Data Sources*

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**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 = TRUE)
```

**Arguments**

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

---

get\_data\_frame\_ibt    *Get Data Frame from Resource ID Value*

---

**Description**

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

**Usage**

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

**Arguments**

resource\_id    Resource ID of the wanted data set  
limit            Maximum number of records  
return\_json    If TRUE, return a json string instead of a data frame.

---

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

---

```
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\_ibt\_wifi\_daily\_new\_subscribers  
*ibtWiFi Daily New Subscribers*

---

**Description**

Data set of new subscribers

**Usage**

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

**Arguments**

params            List of parameters

```
get_ibt_wifi_new_subscribers_by_location
    ibtWiFi New Subscribers by Location
```

---

**Description**

Data set of new subscribers by subscription location

**Usage**

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

**Arguments**

params	List of parameters
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```
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	<i>List of Data Sources</i>
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**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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