Package ‘ROpenWeatherMap’

October 12, 2022

Type Package
Title R Interface to OpenWeatherMap API
Version 1.1
Date 2016-03-15
Author Mukul Chaware[aut,cre]
Maintainer Mukul Chaware <mukul.chaware13@gmail.com>
Description OpenWeatherMap (OWM) <http://openweathermap.org/api> is a service providing weather related data. This package can be used to access current weather data for one location or several locations. It can also be used to forecast weather for 5 days with data for every 3 hours.
License MIT + file LICENSE
LazyData TRUE
Imports httr,RCurl,jsonlite
RoxygenNote 5.0.1.9000
NeedsCompilation no
Repository CRAN
Date/Publication 2016-03-16 10:01:42

R topics documented:

get_current_weather ...................................................... 2
get_multiple_cities ...................................................... 2
get_weather_forecast .................................................... 3

Index 5
get_current_weather  
get current weather data for one location

Description
get current weather data for one location

Usage
get_current_weather(api_key, cityID = NA, city = "", country = ",
coordinates = NA, zip_code = NA)

Arguments
api_key  
Open weather map API key

Arguments
cityID  

country  

Arguments
coordinates  
(lat.lon) coordinates of the location of your interest

Arguments
zip_code  
zip code

Value
data frame giving current weather data for one location

Examples
### Not run:
data=get_current_weather(api_key,city="guwahati")

### End(Not run)

get_multiple_cities  
get current weather data for multiple cities

Description
get current weather data for multiple cities

Usage
get_multiple_cities(api_key, bbox = NA, coordinates = NA, count = NA,
cityIDs = NA, cluster = "yes", units = "metric")
**get_weather_forecast**

**Arguments**

- `api_key`: Open weather map API key
- `bbox`: bounding box [lat of the top left point, lon of the top left point, lat of the bottom right point, lon of the bottom right point, map zoom]
- `coordinates`: (lat,lon) coordinates of the location of your interest
- `count`: number of cities around the point that should be returned
- `cityIDs`: city IDs
- `cluster`: use server clustering of points. Possible values are [yes, no]
- `units`: metric units

**Value**

data frame giving current weather data for several locations

**Examples**

```r
## Not run:
data = get_multiple_cities(api_key, cityIDs = c(524901, 703448, 2643743))
## End(Not run)
```

---

**get_weather_forecast**  
*get weather forecast data for one location*

**Description**

get weather forecast data for one location

**Usage**

```r
get_weather_forecast(api_key, cityID = NA, city = "", country = "",
coordinates = NA)
```

**Arguments**

- `api_key`: Open weather map API key
- `cityID`: city ID
- `city`: name of city
- `country`: name of country
- `coordinates`: (lat,lon) coordinates of the location of your interest

**Value**

data frame giving weather forecast data for one location
Examples

```r
## Not run:
data = get_weather_forecast(api_key, city = "guwahati")

## End(Not run)
```
Index

get_current_weather, 2
get_multiple_cities, 2
get_weather_forecast, 3