Package 'banR'

May 11, 2020

Type Package

Title R Client for the BAN API

Version 0.2.2

Description A client for the ``Base Adresses Nationale'' (BAN) API, which allows to (batch) geocode and reverse-geocode French addresses. For more information about the BAN and its API, please see <https://adresse.data.gouv.fr/api>.

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LazyData TRUE

Depends R (>= 2.10)

Imports dplyr (>= 0.7.0), httr, readr, magrittr, tibble, purrr, rlang, utils

Suggests testthat, knitr, rmarkdown

RoxygenNote 7.1.0

Encoding UTF-8

URL <http://joelgombin.github.io/banR/>,

   <http://github.com/joelgombin/banR/>

BugReports <http://github.com/joelgombin/banR/issues>

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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R **topics documented:**

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format_object_size   *Format object size*

Description

This function is modified copy of the utils:::format.object_size function which is not exported. The main difference is that it returns values.

Usage

```
format_object_size(x, units = "b", standard = "auto", digits = 1L, ...)
```

Arguments

x	a number
units	a unit
standard	a standard
digits	number of digits
...	anything else

---

geocode   *Geocode*

Description

Geocode

Usage

```
geocode(query)
```

Arguments

query   a string of the adress you want to geocode

Value

a tibble

Examples

```
geocode(query = "39 quai André Citroën, Paris")
```

---

geocode_tbl   *Geocode tbl*

Description

Geocode tbl geocodes a whole data frame

Usage

```
geocode_tbl(tbl, adresse, code_insee = NULL, code_postal = NULL)
```

Arguments

tbl   a data frame or tibble

adresse   adress column

code_insee   official citycode column

code_postal   official postcode column

Value

an augmented data frame of class tbl with latitude, longitude, etc

Examples

```
table_test <- tibble::tibble(
x = c("39 quai Andre Citroen", "64 Allee de Bercy", "20 avenue de Segur"),
y = c("75015", "75012", "75007"),
z = rnorm(3)
)

geocode_tbl(tbl = table_test, adresse = x)
geocode_tbl(tbl = table_test, adresse = x, code_postal = y)
```

---

get_features   *Get features*

Description

Get features

Usage

```
get_features(x)
```

Arguments

x   the content of a request

Value

a tibble

---

get_geometry   *Get geometry*

Description

Get geometry

Usage

```
get_geometry(x)
```

Arguments

x   a feature

Value

a tibble

---

get_properties   *Get properties of a feature*

Description

Get properties of a feature

Usage

```
get_properties(x)
```

Arguments

x   a feature list

Value

a tibble

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paris2012   *Addresses in the electoral register of Paris, 2012.*

Description

This dataset includes addresses found in the Parisian electoral register in 2012.

Usage

```
paris2012
```

Format

a `tbl_df` with 72107 lines and 7 variables

arrondissement code of the arrondissement (district)

bureau code of the polling station, in the arrondissement

numero street number

voie type of street

nom name of the street

nb number of voters registered at this adress

ID polling station ID

Source

data have been collected by Baptiste Coulmont

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reverse_geocode   *Reverse geocode*

Description

Reverse geocode

Usage

```
reverse_geocode(long, lat)
```

Arguments

long	longitude
lat	latitude

Value

a tibble

Examples

```
reverse_geocode(long = 2.37, lat = 48.357)
```

---

reverse_geocode_tbl   *Reverse geocode tbl*

Description

reverse geocode a data frame

Usage

```
reverse_geocode_tbl(tbl, longitude, latitude)
```

Arguments

tbl	name of the tibble
longitude	name of the longitude column
latitude	name of the latitude column

Value

an augmented tibble with addresses

Examples

```
table_reverse <- tibble::tibble(
x = c(2.279092, 2.375933,2.308332),
y = c(48.84683, 48.84255, 48.85032),
z = rnorm(3)
)

reverse_geocode_tbl(tbl = table_reverse, longitude = x, latitude = y)
```

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