

Package ‘banR’

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Type Package

Title R Client for the BAN API

Version 0.2.0

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, stringr, readr, magrittr, tibble, purrr, rlang, utils

Suggests testthat, knitr, rmarkdown

RoxygenNote 6.0.1

Encoding UTF-8

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

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

VignetteBuilder knitr

NeedsCompilation no

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format_object_size	<i>Format object size</i>
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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

<code>x</code>	a number
<code>units</code>	a unit
<code>standard</code>	a standard
<code>digits</code>	number of digits
<code>...</code>	anything else

geocode	<i>Geocode</i>
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Description

Geocode

Usage

```
geocode(query)
```

Arguments

<code>query</code>	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	<i>Get properties of a feature</i>
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Description

Get properties of a feature

Usage

```
get_properties(x)
```

Arguments

x a feature list

Value

a tibble

paris2012	<i>Addresses in the electoral register of Paris, 2012.</i>
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Description

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

Usage

```
paris2012
```

Format

a tibble 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 address

ID polling station ID

Source

data have been collected by Baptiste Coulmont

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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