

Package ‘banR’

November 24, 2025

Type Package

Title Client for the 'BAN' API

Version 0.2.3

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/outils/api-doc/adresse>>.

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LazyData TRUE

Depends R (>= 2.10)

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

Suggests testthat, knitr, rmarkdown

RoxygenNote 7.3.3

Encoding UTF-8

URL <https://joelgombin.github.io/banR/>,
<https://github.com/joelgombin/banR/>

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

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

Date/Publication 2025-11-24 08:50:17 UTC

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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

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

geocode	<i>Geocode</i>
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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	<i>Get features</i>
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Description

Get features

Usage

get_features(x)

Arguments

x the content of a request

Value

a tibble

get_geometry	<i>Get geometry</i>
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Description

Get geometry

Usage

get_geometry(x)

Arguments

x a feature

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 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

reverse_geocode	<i>Reverse geocode</i>
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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	<i>Reverse geocode tbl</i>
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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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