# Package 'banR'

May 7, 2026

**Type** Package

**Title** Client for the 'BAN' API

**Version** 0.2.4

**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>.

**License** GPL-3

**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

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`format_object_size` *Format object size*

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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 |

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`geocode` *Geocode*

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## Description

Geocode

## Usage

```
geocode(query)
```

### Arguments

| | |
|---|---|
| query | a string of the adress you want to geocode |

### Value

a tibble

### Examples

```
## Not run:
geocode(query = "39 quai André Citroën, Paris")

## End(Not run)
```

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## geocode_tbl *Geocode tbl*

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### 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

```
## Not run:
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)
```

```
## End(Not run)
```

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`get_features` *Get features*

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## Description

Get features

## Usage

```
get_features(x)
```

## Arguments

| | |
|---|---|
| x | the content of a request |

## Value

a tibble

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`get_geometry` *Get geometry*

---

## Description

Get geometry

## Usage

```
get_geometry(x)
```

## Arguments

| | |
|---|---|
| x | a feature |

## Value

a tibble

## 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

## reverse_geocode *Reverse geocode*

### Description

Reverse geocode

### Usage

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

### Arguments

| | |
|---|---|
| long | longitude |
| lat | latitude |

## Value

a tibble

## Examples

```
## Not run:
reverse_geocode(long = 2.37, lat = 48.357)

## End(Not run)
```

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`reverse_geocode_tbl` *Reverse geocode tbl*

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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

```
## Not run:
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)

## End(Not run)
```

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