

Package ‘njgeo’

January 15, 2022

Title Tools for Geocoding Addresses in New Jersey using the 'NJOGIS' API

Version 0.1.0

Description Provides an R interface to free geocoding REST APIs maintained by the New Jersey Office of GIS <<https://njgin.nj.gov/njgin/edata/geocoding/index.html#!/>> and commonly used shapefiles.

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.1.2

Imports sf, jsonlite, httr, curl, dplyr

Suggests knitr, rmarkdown, markdown

X-schema.org-keywords new-jersey, geocoding, geocoder, arcgis

NeedsCompilation no

Author Gavin Rozzi [aut, cre] (<<https://orcid.org/0000-0002-9969-8175>>)

Maintainer Gavin Rozzi <gr@gavinrozzi.com>

Repository CRAN

Date/Publication 2022-01-15 08:52:42 UTC

R topics documented:

batch_geocode_addresses	2
batch_geocode_sl	2
geocode_address_candidates	3
get_county_bounds	4
get_muni_bounds	4
get_state_bounds	5
reverse_geocode	5

Index	6
--------------	----------

batch_geocode_addresses

Batch geocode addresses

Description

Batch geocode addresses

Usage

```
batch_geocode_addresses(df, id, street, city, state, zip, crs = 4326)
```

Arguments

df	dataframe with addresses to be geocoded
id	primary key that uniquely identifies rows
street	street address column
city	city column
state	state column
zip	zip code column, expects a 5-digit zip code
crs	coordinate reference system to use for output

Value

an sf object containing geocoding results

batch_geocode_sl

Batch geocode addresses in single line format

Description

Batch geocode addresses in single line format

Usage

```
batch_geocode_sl(df, id, address, crs = 4326)
```

Arguments

df	dataframe with addresses to be geocoded
id	primary key that uniquely identifies rows
address	street address column
crs	coordinate reference system to use for output

Value

a dataframe containing geocoding results

geocode_address_candidates

Geocode an address and retrieve all candidates using the NJOGIS ArcGIS REST API

Description

Geocode an address and retrieve all candidates using the NJOGIS ArcGIS REST API

Usage

```
geocode_address_candidates(  
  address = NULL,  
  address2 = NULL,  
  address3 = NULL,  
  city = NULL,  
  zip = NULL,  
  max_results = NULL,  
  crs = 4326  
)
```

Arguments

address	First line of address. Don't use the other address arguments if geocoding a single line address
address2	Second line of address
address3	Third line of address
city	Name of city or municipality
zip	5-digit ZIP code of city
max_results	Max number of address candidates to return
crs	Four digit coordinate reference system code. Defaults to 4326, 3424 and 4269 are also supported

Value

an sf object with geocoded address candidates for a single address

Examples

```
geocode_address_candidates(address = "33 Livingston Ave", city = "New Brunswick")
```

get_county_bounds *Download county boundaries*

Description

Download county boundaries

Usage

```
get_county_bounds(crs = 4326)
```

Arguments

crs coordinate reference system code. This is passed to `sf::st_transform()`

Value

an sf object with boundaries for New Jersey counties

get_muni_bounds *Download municipal boundaries*

Description

Download municipal boundaries

Usage

```
get_muni_bounds(crs = 4326)
```

Arguments

crs coordinate reference system code. This is passed to `sf::st_transform()`

Value

an sf object with boundaries for all New Jersey municipalities

get_state_bounds *Download state boundaries*

Description

Download state boundaries

Usage

```
get_state_bounds(crs = 4326)
```

Arguments

crs coordinate reference system code. This is passed to `sf::st_transform()`

Value

an sf object with boundaries for the State of New Jersey

reverse_geocode *Reverse geocode a set of coordinates*

Description

Reverse geocode a set of coordinates

Usage

```
reverse_geocode(lng, lat, distance = NULL, crs = 4326)
```

Arguments

lng Longitude
lat Latitude
distance Max distance to search around coordinates (in feet)
crs Coordinate reference system code of points

Value

Place name and address corresponding to coordinates

Examples

```
reverse_geocode(-74.44513, 40.49297)
```

Index

`batch_geocode_addresses`, [2](#)
`batch_geocode_sl`, [2](#)

`geocode_address_candidates`, [3](#)
`get_county_bounds`, [4](#)
`get_muni_bounds`, [4](#)
`get_state_bounds`, [5](#)

`reverse_geocode`, [5](#)