

# Package ‘njgeo’

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**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

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**Repository** CRAN

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batch\_geocode\_addresses

*Batch geocode addresses*

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### 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

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batch\_geocode\_sl

*Batch geocode addresses in single line format*

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### 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

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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")
```

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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

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get\_muni\_bounds      *Download municipal boundaries*

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**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

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get\_state\_bounds      *Download state boundaries*

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**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

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reverse\_geocode      *Reverse geocode a set of coordinates*

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**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)
```

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