

# Package: njgeo (via r-universe)

August 31, 2024

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

**Version** 0.2.0

**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

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**Imports** sf, jsonlite, httr, curl, dplyr

**Suggests** knitr, rmarkdown, markdown

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

**Repository** <https://gavinrozzi.r-universe.dev>

**RemoteUrl** <https://github.com/gavinrozzi/njgeo>

**RemoteRef** HEAD

**RemoteSha** d1f54a3cece8624af57c09b944ad68c916343a6

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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*

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**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*

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**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	<i>Download state boundaries</i>
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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	<i>Reverse geocode a set of coordinates, an 'sf' point, or an 'sfc' point</i>
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**Description**

Reverse geocode a set of coordinates, an 'sf' point, or an 'sfc' point

**Usage**

```
reverse_geocode(input, distance = NULL, crs = 4326)
```

**Arguments**

input                  Either a 2-element numeric vector (longitude, latitude), an 'sf' point object, or an 'sfc' object.

distance               Max distance to search around coordinates (in feet). Default is NULL.

crs                    Coordinate reference system code of points. Default is 4326.

**Value**

Dataframe with place name and address corresponding to coordinates.

**Examples**

```
reverse_geocode(c(-74.44513, 40.49297)) # Using longitude and latitude
# Or using an sf point object:
library(sf)
point_sf <- st_sfc(st_point(c(-74.44513, 40.49297)), crs = 4326)
reverse_geocode(point_sf)
# Or using an sfc object:
point_sfc <- st_point(c(-74.44513, 40.49297))
reverse_geocode(point_sfc)
```

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