Package: revgeo (via r-universe)

September 3, 2024

Title Reverse Geocoding with the Photon Geocoder for OpenStreetMap, Google Maps, and Bing

Version 0.15

Description Function revgeo() allows you to use the Photon geocoder for OpenStreetMap <http://photon.komoot.de>, Google Maps <http://maps.google.com>, and Bing <https://www.bingmapsportal.com> to reverse geocode coordinate pairs with minimal hassle.

Depends R (>= 3.3.2)

License GPL (>= 3.0)

Encoding UTF-8

LazyData true

Imports RCurl (>= 1.95), RJSONIO (>= 1.3-0)

RoxygenNote 6.0.1.9000

NeedsCompilation no

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Repository CRAN

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revgeo *Reverse Geocoding with the Photon Geocoder for OpenStreetMap, Google Maps, and Bing.*

Description

Enables the use of the Photon geocoder for OpenStreetMap, Google Maps, and Bing to reverse geocode coordinate pairs. Photon allows for unlimited geocode queries, while Google Maps and Bing provide a little more information for 'out of the way' locations. Google Maps and Bing require an API key, and Google Maps limits users to 2,500 free queries a day.

Usage

```
revgeo(longitude, latitude, provider = NULL, API = NULL, output = NULL,
  item = NULL)
```

Arguments

longitude	Required. You must enter a valid longitude coordinate; e.g., -77.0229529
latitude	Required. You must enter a valid latitude coordinate; e.g., 38.89283435
provider	Defaults to NULL, which automatically selects the Photon API. Enter 'google' to use the Google Maps API or 'bing' to use the Bing API.
API	Defaults to NULL. Enter a valid Google Maps or Bing API key to use their service.
output	Defaults to NULL, which returns a reverse geocoded address as a string. Other valid options include 'hash', which returns a hashed string, and 'frame', which returns a dataframe.
item	Defaults to NULL. You can use 'item' in conjunction with 'hash' or 'frame' to return portion of the address; e.g., 'zip' for postal code. Options include 'housenumber', 'street', 'city', 'county', 'state', and 'country'.

Author(s)

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Source

https://github.com/mhudecheck/revgeo/

Examples

```
revgeo(longitude=-77.0229529, latitude=38.89283435)
revgeo(longitude=-77.0229529, latitude=38.89283435, output='frame')
revgeo(longitude=-77.0229529, latitude=38.89283435, output='hash', item='zip')
```

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