

Package ‘gepaf’

October 13, 2022

Type Package

Title Google Encoded Polyline Algorithm Format

Version 0.1.1

Date 2018-03-05

Description Encode and decode the Google Encoded Polyline Algorithm Format (<<https://developers.google.com/maps/documentation/utilities/polylinealgorithm>>).

License GPL-3

LazyData TRUE

Imports bitops

URL <https://github.com/mthh/gepaf>

BugReports <https://github.com/mthh/gepaf/issues>

RoxygenNote 6.0.1

Encoding UTF-8

NeedsCompilation no

Author Matthieu Viry [aut],
Timothée Giraud [ctb, cre]

Maintainer Timothée Giraud <timothee.giraud@cnrs.fr>

Repository CRAN

Date/Publication 2018-03-05 19:27:15 UTC

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decodePolyline	<i>Decode a Google Polyline to a Data Frame</i>
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Description

Decode a Google polyline to a data frame of coordinates.

Usage

```
decodePolyline(enc_polyline, factor = 5)
```

Arguments

enc_polyline	a Google polyline.
factor	number of decimal digits to be used.

Value

A data frame of latitudes and longitudes is returned.

Examples

```
coords <- decodePolyline(enc_polyline = "_p~iF~ps|U_ulLnnqC_mqNvxq`@")
coords
```

encodePolyline	<i>Encode Coordinates to Google Polylines</i>
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Description

Encode a data.frame of coordinates to a Google polyline.

Usage

```
encodePolyline(df_coords, factor = 5)
```

Arguments

df_coords	a data frame of coordinates with two columns: latitudes and longitudes. Coordinates must be in decimal degrees (WGS84).
factor	number of decimal digits to be used.

Value

An encoded polyline is returned.

Examples

```
coords <- data.frame(lat = c(38.5, 40.7, 43.252),  
                    lon = c(-120.2, -120.95, -126.453))  
encpoly <- encodePolyline(coords)  
encpoly
```

gepaf

Google Encoded Polyline Algorithm Format

Description

Encode and decode the Google Encoded Polyline Algorithm Format.

See the documentation here:

<https://developers.google.com/maps/documentation/utilities/polylinealgorithm>.

Note

Mostly a translation of http://github.com/mthh/polyline_ggl/ (itself a modest translation (i.g no GeoJSON wrapper, etc.) of other well known available implementations such as [Node.js Mapbox one](#)).

See Also

[encodePolyline](#), [decodePolyline](#).

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