

Package: gepaf (via r-universe)

September 9, 2024

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

Repository <https://mthh.r-universe.dev>

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

RemoteRef HEAD

RemoteSha 3b8b17d14bdcd75548b32a39e11ca25d81795d24

Contents

decodePolyline	2
encodePolyline	2
gepaf	3

Index	4
--------------	----------

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

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>
----------------	---

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](#).

Index

`decodePolyline`, [2](#), [3](#)

`encodePolyline`, [2](#), [3](#)

`gepaf`, [3](#)

`gepaf-package (gepaf)`, [3](#)