Package ‘pluscode’

November 14, 2018

Type Package
Title Encoder for Google ‘Pluscodes’
Version 0.1.0
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Description Retrieves a ‘pluscode’ by inputting latitude and longitude. Includes additional functions to retrieve neighbouring ‘pluscodes’.
License GPL-2
LazyData FALSE
Imports httr, jsonlite
RoxygenNote 5.0.1
NeedsCompilation no
Repository CRAN
Date/Publication 2018-11-14 15:00:03 UTC

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pluscode_eastneighbour

*Pluscode East Neighbour*

**Description**

This package retrieves the easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

`pluscode_eastneighbour(pluscode)`

**Arguments**

- **pluscode**
  
  A valid pluscode, 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

**Examples**

`pluscode_eastneighbour("9C4MG2M+H4")`

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pluscode_encode

*Pluscode Encoder*

**Description**

This package retrieves a pluscode by inputting latitude and longitude

**Usage**

`pluscode_encode(lats, lngs, precision)`

**Arguments**

- **lats**
  
  A valid latitude within the range -90 to 90
- **lngs**
  
  A valid latitude within the range -180 to 180
- **precision**
  
  Options are 2, 4, 8, or 10

**Examples**

`pluscode_encode(52.501450, -6.567180, 8)`
pluscode_neighbours  Pluscode Neighbours

Description
This function retrieves the neighbouring pluscodes of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_neighbours(pluscode)

Arguments
pluscode  A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_neighbours("9C4MGC2M+H4")

pluscode_northeastneighbour  Pluscode Northeast Neighbour

Description
This package retrieves the north-easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage
pluscode_northeastneighbour(pluscode)

Arguments
pluscode  A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples
pluscode_northeastneighbour("9C4MGC2M+H4")
pluscode_northneighbour

*Pluscode North Neighbour*

**Description**

This package retrieves the northerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

`pluscode_northneighbour(pluscode)`

**Arguments**

- `pluscode`: A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

**Examples**

`pluscode_northneighbour("9c4mgc2m+h4")`

---

pluscode_northwestneighbour

*Pluscode Northwest Neighbour*

**Description**

This package retrieves the north-westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

`pluscode_northwestneighbour(pluscode)`

**Arguments**

- `pluscode`: A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

**Examples**

`pluscode_northwestneighbour("9c4mgc2m+h4")`
**pluscode_southeastneighbour**

*Pluscode Southeast Neighbour*

**Description**

This package retrieves the south-easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

`pluscode_southeastneighbour(pluscode)`

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>pluscode</td>
<td>A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)</td>
</tr>
</tbody>
</table>

**Examples**

`pluscode_southeastneighbour("9C4MG2M+H4")`

---

**pluscode_southneighbour**

*Pluscode South Neighbour*

**Description**

This package retrieves the southerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

`pluscode_southneighbour(pluscode)`

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>pluscode</td>
<td>A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)</td>
</tr>
</tbody>
</table>

**Examples**

`pluscode_southneighbour("9C4MG2M+H4")`
pluscode_southwestneighbour

Pluscode Southwest Neighbour

Description

This package retrieves the south-westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage

pluscode_southwestneighbour(pluscode)

Arguments

pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples

pluscode_southwestneighbour("9c4mgc2m+h4")

pluscode_westneighbour

Pluscode West Neighbour

Description

This package retrieves the westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

Usage

pluscode_westneighbour(pluscode)

Arguments

pluscode A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

Examples

pluscode_westneighbour("9c4mgc2m+h4")
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