Package 'pluscode'

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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

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R topics documented:

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

Examples

```
pluscode_eastneighbour("9C4MGC2M+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 pluscod 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 pluscod 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 pluscod 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 pluscod 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

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

Examples

```
pluscode_southeastneighbour("9C4MGC2M+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

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

Examples

```
pluscode_southneighbour("9C4MGC2M+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 pluscod 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 pluscod 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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