Package ‘ZipRadius’

Type Package
Title Creates a Data Frame of US Zip Codes in a Given Radius from a Given US Zip Code
Version 1.0.1
Depends R (>= 2.10)
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Imports dplyr, geosphere, magrittr, testthat, rlang, ggplot2
Description Generates a data frame of US zip codes and their distance to the given zip code when given a starting zip code and a radius in miles. Also includes functions for use with ‘choroplethZip’ which are detailed in the vignette.
License GPL (>= 2)
Encoding UTF-8
LazyData FALSE
RoxygenNote 6.1.0
Suggests knitr, rmarkdown
VignetteBuilder knitr
NeedsCompilation no
Repository CRAN
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R topics documented:

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### getStates

getStates returns the list of states which have zip codes which fall in a specified radius in lower case format for use in choroplethrZip

#### Description

getStates returns the list of states which have zip codes which fall in a specified radius in lower case format for use in choroplethrZip

#### Usage

getStates(zipcode, radius)

#### Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>zipcode</td>
<td>the reference zip code of which you’d like the list of zip codes within a given radius as character</td>
</tr>
<tr>
<td>radius</td>
<td>the distance in miles from the center of the given zip to the center of the other zips as numeric</td>
</tr>
</tbody>
</table>

#### Examples

getStates("30316", 10)

### getZipPop

getZipPop returns a data frame of zipcodes and their population where the zip codes fall within a given radius for use in choroplethrZip

#### Description

getZipPop returns a data frame of zipcodes and their population where the zip codes fall within a given radius for use in choroplethrZip

#### Usage

getZipPop(zipcode, radius)

#### Arguments

<table>
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<tr>
<td>zipcode</td>
<td>the reference zip code of which you’d like the list of zip codes within a given radius as character</td>
</tr>
<tr>
<td>radius</td>
<td>the distance in miles from the center of the given zip to the center of the other zips as numeric</td>
</tr>
</tbody>
</table>
Examples

getStates("30316", 10)

getZips

getZips returns the list of zip codes as a character vector which have zip codes which fall in a specified radius in lower case format for use in choroplethrZip

Description

getZips returns the list of zip codes as a character vector which have zip codes which fall in a specified radius in lower case format for use in choroplethrZip

Usage

getZips(zipcode, radius)

Arguments

zipcode the reference zip code of which you’d like the list of zip codes within a give radius as character
radius the distance in miles from the center of the given zip to the center of the other zips as numeric

Examples

getZips("30316", 10)

zipRadius

The zipRadius Function

Description

The zipRadius Function

Usage

zipRadius(zipcode, radius)

Arguments

zipcode the reference zip code of which you’d like the list of zip codes within a give radius as character
radius the distance in miles from the center of the given zip to the center of the other zips as numeric
Examples

zipRadius("30316", 10)
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