Package 'ZipRadius'

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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 dis-
tance to the given zip code when given a starting
zip code and a radius in miles. Also includes functions for use with 'choro-
plethrZip' 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:

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

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

```
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

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

```
getStates("30316", 10)
```

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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)
```

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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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