Package 'UScensus2000add'

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Type Package

Title US Census 2000 Suite of R Packages: Demographic Add

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Description US 2000 Census shape files and additional demographic data
from the SF1 100 percent files. This package contains a helper functions for the UScensus2000addblk, UScensus2000addblkgrp,UScensus2000addtract, UScensus2000add packages.

License GPL (>= 2)

Depends R (>= 2.10), maptools, sp, foreign, methods, grDevices, base,stats, utils, UScensus2000blkgrp, UScensus2000tract,UScensus2000cdp, gpclib, XML, UScensus2000

Suggests UScensus2000blk

LazyLoad yes

URL http://www.ncasd.org/census2000/

Repository CRAN

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R topics documented:

census.demographics.list *census.demographics.list*

Description

A list of the demographic variables in the SF1 (http://www.census.gov/prod/cen2000/doc/sf1.pdf) tech report. Primarily for use in demographics.add.

Usage

```
data(census.demographics.list)
```

Format

List of characters.

References

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.
http://www.census.gov/prod/cen2000/doc/sf1.pdf

Examples

```
data(census.demographics.list)
```

demographics.add *Add Census SF1 Demographic Variables to State sp Objects*

Description

Helper function to the census **UScensus2000**-suite of R packages. This function will download the necessary census files to attach selected demographic variables to the selected level of sp object. warning if you have limited bandwidth this function may cause problems.

Usage

```
demographics.add(dem = NULL, state = NULL, statefips = FALSE, level = c("tract", "blk", "blkgrp", "cdp")
```

Arguments

dem	Takes in a vector of one or more census variables as defined in SF1tech report (http://www.census.gov/prod/cen2000/doc/sf1.pdf).
state	This has to be a string and can either be the full name (e.g. "oregon"), the abbreviation (e.g. "or"), or the FIPS code (e.g. "41")– note that if you are using the FIPS code you have to change statefips to TRUE.
statefips	logical: are you providing state with a FIPS code instead of a name. By default, statefips=FALSE.
level	Takes in one of three values: "tract", "blk", or "blkgrp". This defines the geographic level of data for the county.
census	Right now data is only available from the SF1 files, hopefully in the near future compatibility with SF3 will be added.

Value

An object of class SpatialPolygonsDataFrame.

Warning

You must have the packages UScensus2000blkgrp and UScensus2000blk installed to use levels "blkgrp" and "blk" respectively.
Depending on how many demographic variables and how big the state is, this function can download 100 megabytes or more of data to perform this task.

Author(s)

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References

Zack W. Almquist (2010). US Census Spatial and Demographic Data in R: The UScensus2000 Suite of Packages. Journal of Statistical Software, 37(6), 1-31. http://www.jstatsoft.org/v37/i06/.

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.
http://www.census.gov/prod/cen2000/doc/sf1.pdf

Examples

```
## Not run:
##Add the SF1 variables "P001001", "P045003"
rhode_island<-demographics.add(dem=c("P001001","P045003"),state="ri",level="tract")
names(rhode_island)

## End(Not run)
```

`state.ab` *State Abbreviations and DC for all states available in UScensus2000-suite.*

Description

For use in `demographics.add`..

Usage

```
data(state.ab)
```

Format

Vector of characters.

Examples

```
data(state.ab)
```

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