

Package ‘MCAPS’

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Title MCAPS data and results

Depends R (>= 2.14.0)

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Author Roger D. Peng <rpeng@jhsph.edu>

Maintainer Roger D. Peng <rpeng@jhsph.edu>

Description Weather and air pollution data, risk estimates, and other information from the Medicare Air Pollution Study (MCAPS) of 204 U.S. counties, 1999--2002

License GPL (>= 2)

URL <http://www.biostat.jhsph.edu/MCAPS/>

Repository CRAN

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`getData`*Get MCAPS data objects*

Description

Retrieve MCAPS data objects from remote database.

Usage

```
getData(name = NULL)
```

Arguments

`name` character, name of data object to retrieve

Details

If `name` is `NULL` for `getData`, then a character vector is returned (invisibly) containing the names of all the available data objects. Current data objects are

APWdata a list of air pollution and weather data for all 204 U.S. counties.

siteList character vector containing 5-digit FIPS codes for all counties.

estimates.subset subset of county-specific log-relative risk estimates from MCAPS study.

estimates.full full set of county-specific log-relative risk estimates from MCAPS study.

Author(s)

Roger D. Peng <rpeng@jhsph.edu>

References

Dominici F, Peng RD, Bell ML, Pham L, McDermott A, Zeger SL, Samet JM (2006). "Fine Particulate Air Pollution and Hospital Admission for Cardiovascular and Respiratory Diseases," *Journal of the American Medical Association*, 295 (10) 1127–1134.

Examples

```
## Not run:
initMCAPS()
getData()
siteList <- getData("sitesList")
head(siteList)

## End(Not run)
```

initMCAPS	<i>Initialize MCAPS database</i>
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Description

Initialize MCAPS database and setup directory for local cache

Usage

```
initMCAPS(basedir = "MCAPS")
```

Arguments

basedir character, directory where local cache of database will be stored

Details

The `initMCAPS` function must be run first before using the MCAPS package. `initMCAPS` creates a local directory structure for storing a local cache of the MCAPS objects. Internal code makes sure that the local copy is synchronized with the remote version of the database.

Author(s)

Roger D. Peng <rpeng@jhsp.h.edu>

References

Dominici F, Peng RD, Bell ML, Pham L, McDermott A, Zeger SL, Samet JM (2006). "Fine Particulate Air Pollution and Hospital Admission for Cardiovascular and Respiratory Diseases," *Journal of the American Medical Association*, 295 (10) 1127–1134.

See Also

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