Package 'stalkR'

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Type Package

Title Convenience functions for parsing iPhone and iPad location data and visualizing.

Version 0.02

Date 2011-04-22

Author Drew Conway

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Depends XML, RSQLite, ggplot2, maps, mapproj

Description As discovered by Alasdair Allan Pete Warden
(http://petewarden.github.com/iPhoneTracker/), iPhone and iPad
devices have been silently recording the location of the
device. This package contains three convenience functions for
parsing the location data and visualizing.

License BSD

LazyLoad yes

SystemRequirements Python

R topics documented:

| stalkR-package | *Convenience functions for parsing iPhone and iPad location data and visualizing.* |

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Details

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Type:	Package
Version:	0.01
Date:	2011-04-21
License:	Simplified BSD License
LazyLoad:	yes
Depends:	XML, RSQLite, ggplot2, maps

Author(s)

Drew Conway

Maintainer: Drew Conway <drew.conway@nyu.edu>

References

For more information on this data and how it was discovered, see http://petewarden.github.com/iPhoneTracker/

Examples

```
library(stalkR)
my.locs<-get.mylocations("agconway","Drew Conway's iPhone")
viz.locations(my.locs, "state", "new york")
```

| get.mylocations | *Get location data for a device* |

Description

Creates a data frame from the \'CellLocation\' table in device location data base

Usage

```
get.mylocations(user.name, device.name)
```

Arguments

`user.name`	(character) The user name on the Mac OS X install, such that the path is /Users/user.name/...
`device.name`	(character) The name of the iPhone or iPad you want location data for as it appears in iTunes

Value

A data frame from the \'CellLocation\' table. We are primarily interested in the Longitude and Latitude columns, but there is considerable more data stored in this data frame.

Author(s)

Drew Conway

References

For more information see, http://petewarden.github.com/iPhoneTracker/

Examples

```
library(stalkR)
my.locs<-get.mylocations("agconway","Drew Conway's iPhone")
summary(my.locs)
```

`location.db`	*SQLite data base connection*

Description

Return a SQLite data base object for the mobile device being queried against.

Usage

```
location.db(user.name, device.name)
```

Arguments

`user.name`	(character) The user name on the Mac OS X install, such that the path is /Users/user.name/...
`device.name`	(character) The name of the iPhone or iPad you want location data for as it appears in iTunes

Value

A SQLite data base connection

Note

This data base contains much more data than just location information. The functions in this package are primarily concerned with this data, but you have access to much more. See the example below for the other table names.

Author(s)

Drew Conway

See Also

For more information on working with SQLite data bases see the RSQLite documentation, http://cran.r-project.org/web/packages/RSQLite/RSQLite.pdf

Examples

```
library(stalkR)
conn<-location.db("agconway","Drew Conway's iPhone")
dbListTables(location.db("agconway","Drew Conway's iPhone"))
```

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viz.locations	*Visualize location data*

Description

Using a data frame of device location data, plot as a heat map.

Usage

```
viz.locations(location.df, map = "world", region = ".")
```

Arguments

location.df	A location data frame, as generated by get.mylocation
map	(character) Map name
region	(character) Region name

Details

For more information on the documentation for the map package, http://cran.r-project.org/web/packages/maps/maps.pdf

Value

Plots a map to the current device

Author(s)

Drew Conway

Examples

```
library(stalkR)
my.locs<-get.mylocations("agconway", "Drew Conway's iPhone")
viz.locations(my.locs, "state", "new york")
```

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