# Package 'stalkR'

April 21, 2011

**Type** Package

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

**Version** 0.01

**Date** 2011-04-21

**Author** Drew Conway

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

**Depends** XML, RSQLite, ggplot2, maps

**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.*

### 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.

### Details

| | |
|---|---|
| Package: | stalkR |
| 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)
```

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## 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*

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### 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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