

# Package ‘RSocrata’

September 3, 2013

**Title** A tool for downloading Socrata datasets as R data frames

**Description** Provided with a Socrata dataset resource URL, or a Socrata SoDA web API query, returns an R data frame. Converts dates to POSIX format. Supports CSV and JSON. Manages throttling by Socrata.

**Version** 0.1

**Depends** rjson,httr

**Suggests** runit

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**License** MIT

**Collate** 'RSocrata.R' 'runAllTests.R'

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fieldName	<i>Convert Socrata human-readable column name, as it might appear in the first row of data, to field name as it might appear in the HTTP header; that is, lower case, periods replaced with underscores</i>
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## Description

Convert Socrata human-readable column name, as it might appear in the first row of data, to field name as it might appear in the HTTP header; that is, lower case, periods replaced with underscores

## Usage

```
fieldName(humanName)
```

**Arguments**

humanName      a Socrata human-readable column name

**Value**

Socrata field name

**Author(s)**

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**Examples**

```
fieldName("Number.of.Stations") # number_of_stations
```

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posixify

*Convert Socrata calendar\_date string to POSIX*

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**Description**

Convert Socrata calendar\_date string to POSIX

**Usage**

```
posixify(x)
```

**Arguments**

x                      a string in Socrata calendar\_date format

**Value**

a POSIX date

**Author(s)**

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`read.socrata`*Get a full Socrata data set as an R data frame*

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**Description**

Manages throttling and POSIX date-time conversions

**Usage**

```
read.socrata(url)
```

**Arguments**

<code>url</code>	Socrata Open Data Application Program Interface (SODA) query, which may include SoQL parameters, but is assumed to not contain an offset parameter
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**Value**

an R data frame with POSIX dates

**Author(s)**

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**Examples**

```
earthquakesDataFrame <- read.socrata("http://soda.demo.socrata.com/resource/4tka-6guv.js")
```

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