Package ‘SunsetTSA’

December 16, 2019

Type Package
Title Get Sunrise and Sunset Times for US Airport Locations
Version 1.0.0
Description Wrapper for a US Transportation Security Administration API.
       API info: <https://www.dhs.gov/mytsa-api-documentation>
       Includes helper functions to look up 3-letter codes for US airports.
License GPL-3
Encoding UTF-8
LazyData true
Imports httr
RoxygenNote 7.0.2
Suggests knitr, rmarkdown, testthat (>= 2.1.0)
VignetteBuilder knitr
Depends R (>= 2.10)
URL https://smach.github.io/SunsetTSA/
BugReports https://github.com/smach/SunsetTSA/issues
NeedsCompilation no
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Repository CRAN
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airport_codes_by_city  Get airport codes by city

Description
Get airport codes by city

Usage
airport_codes_by_city(the_city, the_state = "")

Arguments
the_city      string, name of US city
the_state    string, optional, two-letter code for US state

Value
data frame with Code, City, State, and Airport

Examples
airport_codes_by_city("New York")
airport_codes_by_city("Greenville", "NC")

airport_codes_by_name  Get airport code by airport name

Description
Get airport code by airport name

Usage
airport_codes_by_name(the_airport)

Arguments
the_airport    string, name or partial name of airport

Value
data frame with Code, City, State, and Airport

Examples
airport_codes_by_name("Kennedy")
**airport_codes_by_state**

*Get all airport codes in a state*

**Description**

Get all airport codes in a state

**Usage**

```r
airport_codes_by_state(the_state)
```

**Arguments**

- **the_state**: string, two-letter code for a US state

**Value**

Data frame with Code, City, State, and Airport

**Examples**

```r
airport_codes_by_state("RI")
```

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**sunrise_sunset**

*Get sunrise and sunset data for one day at US airport location from TSA API*

**Description**

Get sunrise and sunset data for one day at US airport location from TSA API

**Usage**

```r
sunrise_sunset(the_airport_code, the_date = Sys.Date())
```

**Arguments**

- **the_date**: string or date object in yyyy-mm-dd format. Defaults to current date.

**Value**

List with Sunrise, Sunset, Date, Location
Examples

## Not run:
sunrise_sunset("BOS")
sunrise_sunset("JFK", "2019-12-22")

## End(Not run)
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