

Package ‘bikeshare14’

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Version 0.1.4

Title Bay Area Bike Share Trips in 2014

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Depends R (>= 2.10)

Description Anonymised Bay Area bike share trip data for the year 2014.
Also contains additional metadata on stations and weather.

License CC0

LazyData true

Suggests data.table

URL <https://github.com/arunsrinivasan/bikeshare14>

BugReports <https://github.com/arunsrinivasan/bikeshare14/issues>

NeedsCompilation no

LazyDataCompression xz

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Repository CRAN

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| | |
|------------|---|
| bastations | <i>Bay Area bike share station info</i> |
|------------|---|

Description

Details on various stations for bike shares at the Bay Area.

Usage

bastations

Format

A data.frame containing 76 rows and 7 columns.

| | | | | |
|-----------|---|--------------|---|--|
| integer | - | station_id | - | unique id associated with each station |
| character | - | name | - | station name |
| numeric | - | lat | - | latitude |
| numeric | - | long | - | longitude |
| integer | - | dock_count | - | how many bikes can the station have? |
| character | - | landmark | - | location of station |
| Date | - | install_date | - | since when is the station available |

Source

Data from 2017 on: <https://s3.amazonaws.com/baywheels-data/index.html> (Please see NEWS.md for more info on project page).

| | |
|---------|---------------------------------|
| batrips | <i>Bay Area bike share data</i> |
|---------|---------------------------------|

Description

Anonymised bike share trips from the Bay Area for the year 2014.

Usage

batrips

Format

A data.frame containing 326339 rows and 11 columns.

| | | | | |
|-----------|---|-------------------|---|---|
| integer | - | trip_id | - | unique id associated with each trip |
| integer | - | duration | - | duration of the trip (in seconds) |
| POSIXct | - | start_date | - | start date including time |
| character | - | start_station | - | station where trip started |
| integer | - | start_terminal | - | terminal id of station where trip started |
| POSIXct | - | end_date | - | end date including time |
| character | - | end_station | - | station where trip ended |
| integer | - | end_terminal | - | terminal id of station where trip ended |
| integer | - | bike_id | - | unique id of the bike used |
| character | - | subscription_type | - | subscription holder or regular customer? |
| character | - | zip_code | - | zip code |

Source

Data from 2017 on: <https://s3.amazonaws.com/baywheels-data/index.html> (Please see NEWS.md for more info on project page).

baweather

Bay Area bike share weather info

Description

Weather information for each day of year 2014 corresponding to various zip codes in the Bay Area where bike share stations are available.

Usage

```
baweather
```

Format

A data.frame containing 1825 rows and 24 columns.

| | | | | |
|---------|---|------------------|---|---|
| Date | - | date | - | date |
| integer | - | max_temp_f | - | max temperature, in Fahrenheit |
| integer | - | mean_temp_f | - | mean temperature, in Fahrenheit |
| integer | - | min_temp_f | - | min temperature, in Fahrenheit |
| integer | - | max_dew_point_f | - | max dew point temperature, in Fahrenheit |
| integer | - | mean_dew_point_f | - | mean dew point temperature, in Fahrenheit |
| integer | - | min_dew_point_f | - | min dew point temperature, in Fahrenheit |
| integer | - | max_humidity | - | max humidity |
| integer | - | mean_humidity | - | mean humidity |
| integer | - | min_humidity | - | min humidity |

| | | | | |
|-----------|---|----------------------------|---|--|
| numeric | - | max_sea_level_pressure_in | - | max sea level pressure (in inches) |
| numeric | - | mean_sea_level_pressure_in | - | mean sea level pressure (in inches) |
| numeric | - | min_sea_level_pressure_in | - | min sea level pressure (in inches) |
| integer | - | max_visibility_miles | - | max visibility |
| integer | - | mean_visibility_miles | - | mean visibility |
| integer | - | min_visibility_miles | - | min visibility |
| integer | - | max_wind_speed_mph | - | max wind speed (in mph) |
| integer | - | mean_wind_speed_mph | - | mean wind speed (in mph) |
| integer | - | max_gust_speed_mph | - | max gust speed (in mph) |
| character | - | precipitation_in | - | precipitation (in inches) |
| integer | - | cloud_cover | - | categorical value indicating coverage of clouds (max=8, min=0) |
| character | - | events | - | events such as rain, fog, thunderstorm etc. recorded |
| integer | - | wind_dir_degrees | - | wind direction (in degrees) |
| character | - | zip_code | - | zip code for which these measurements are recorded |

Source

Data from 2017 on: <https://s3.amazonaws.com/baywheels-data/index.html> (Please see NEWS.md for more info on project page).

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