Package ‘bikeshare14’

April 7, 2021

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
Date/Publication 2021-04-07 08:40:09 UTC

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**bastations**  
*Bay Area bike share station info*

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

**Usage**
bastations

**Format**
A data.frame containing 76 rows and 7 columns.

<table>
<thead>
<tr>
<th>Type</th>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>integer</td>
<td>station_id</td>
<td>unique id associated with each station</td>
</tr>
<tr>
<td>character</td>
<td>name</td>
<td>station name</td>
</tr>
<tr>
<td>numeric</td>
<td>lat</td>
<td>latitude</td>
</tr>
<tr>
<td>numeric</td>
<td>long</td>
<td>longitude</td>
</tr>
<tr>
<td>integer</td>
<td>dock_count</td>
<td>how many bikes can the station have?</td>
</tr>
<tr>
<td>character</td>
<td>landmark</td>
<td>location of station</td>
</tr>
<tr>
<td>Date</td>
<td>install_date</td>
<td>since when is the station available</td>
</tr>
</tbody>
</table>

**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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**batrips**  
*Bay Area bike share data*

**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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>integer</td>
<td>trip_id</td>
<td>unique id associated with each trip</td>
</tr>
<tr>
<td>integer</td>
<td>duration</td>
<td>duration of the trip (in seconds)</td>
</tr>
<tr>
<td>POSIXct</td>
<td>start_date</td>
<td>start date including time</td>
</tr>
</tbody>
</table>
baweather

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.

<table>
<thead>
<tr>
<th>Date</th>
<th>date</th>
<th>date</th>
</tr>
</thead>
<tbody>
<tr>
<td>integer</td>
<td>max_temp_f</td>
<td>max temperature, in Fahrenheit</td>
</tr>
<tr>
<td>integer</td>
<td>mean_temp_f</td>
<td>mean temperature, in Fahrenheit</td>
</tr>
<tr>
<td>integer</td>
<td>min_temp_f</td>
<td>min temperature, in Fahrenheit</td>
</tr>
<tr>
<td>integer</td>
<td>max_dew_point_f</td>
<td>max dew point temperature, in Fahrenheit</td>
</tr>
<tr>
<td>integer</td>
<td>mean_dew_point_f</td>
<td>mean dew point temperature, in Fahrenheit</td>
</tr>
<tr>
<td>integer</td>
<td>min_dew_point_f</td>
<td>min dew point temperature, in Fahrenheit</td>
</tr>
<tr>
<td>integer</td>
<td>max_humidity</td>
<td>max humidity</td>
</tr>
<tr>
<td>integer</td>
<td>mean_humidity</td>
<td>mean humidity</td>
</tr>
<tr>
<td>integer</td>
<td>min_humidity</td>
<td>min humidity</td>
</tr>
<tr>
<td>numeric</td>
<td>max_sea_level_pressure_in</td>
<td>max sea level pressure (in inches)</td>
</tr>
<tr>
<td>numeric</td>
<td>mean_sea_level_pressure_in</td>
<td>mean sea level pressure (in inches)</td>
</tr>
<tr>
<td>numeric</td>
<td>min_sea_level_pressure_in</td>
<td>min sea level pressure (in inches)</td>
</tr>
<tr>
<td>integer</td>
<td>max_visibility_miles</td>
<td>max visibility</td>
</tr>
<tr>
<td>integer</td>
<td>mean_visibility_miles</td>
<td>mean visibility</td>
</tr>
<tr>
<td>integer</td>
<td>min_visibility_miles</td>
<td>min visibility</td>
</tr>
<tr>
<td>integer</td>
<td>max_wind_speed_mph</td>
<td>max wind speed (in mph)</td>
</tr>
</tbody>
</table>
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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