Package ‘bikeshare14’

January 3, 2019

Version 0.1.2
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 http://github.com/arunsrinivasan/bikeshare14

BugReports http://github.com/arunsrinivasan/bikeshare14/issues

NeedsCompilation no
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Repository CRAN
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**bاستATIONS**  
Bay Area bike share station info

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

**Usage**  
bاستations

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Name</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**  

**bانتشارS**  
Bay Area bike share data

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

**Usage**  
bانتشارS

**Format**  
A data.frame containing 326339 rows and 11 columns.

<table>
<thead>
<tr>
<th>Type</th>
<th>Name</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>
### 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.

```r
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)
```
<table>
<thead>
<tr>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>integer</td>
<td>mean_wind_speed_mph - mean wind speed (in mph)</td>
</tr>
<tr>
<td>integer</td>
<td>max_gust_speed_mph - max gust speed (in mph)</td>
</tr>
<tr>
<td>character</td>
<td>precipitation_in - precipitation (in inches)</td>
</tr>
<tr>
<td>integer</td>
<td>cloud_cover - categorical value indicating coverage of clouds (max=8, min=0)</td>
</tr>
<tr>
<td>character</td>
<td>events - events such as rain, fog, thunderstorm etc. recorded</td>
</tr>
<tr>
<td>integer</td>
<td>wind_dir_degrees - wind direction (in degrees)</td>
</tr>
<tr>
<td>character</td>
<td>zip_code - zip code for which these measurements are recorded</td>
</tr>
</tbody>
</table>

**Source**

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