

Package ‘bikeshare14’

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Title Bay Area Bike Share Trips in 2014

Version 0.1.0

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

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LazyData true

Depends R (>= 2.10)

Suggests data.table

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

BugReports <http://github.com/arunsrinivasan/bikeshare14>

NeedsCompilation no

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

Bay Area Bike Share website: <http://www.bayareabikeshare.com/open-data>

batrips	<i>Bay Area bike share data</i>
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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 minutes)
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

Bay Area Bike Share website: <http://www.bayareabikeshare.com/open-data>

baweather	<i>Bay Area bike share weather info</i>
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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

Bay Area Bike Share website: <http://www.bayareabikeshare.com/open-data>

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