

Package ‘bikeshare14’

May 7, 2026

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.

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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	<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

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>
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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 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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