Table of Information about Marathons

The data is called race info.

Description

An interesting data set to see the effects of goals on what should be a unimodal distrubtion of finish times. The NYT had a good article - https://www.nytimes.com/2014/04/23/upshot/what-good-marathons-and-bad-investments-have-in-common.html?rref=upshot& r=1

The source of this data is < https://faculty.chicagobooth.edu/george.wu/research/marathon/marathon_names.htm >

Data format

A data frame with columns:

variable	class	description
year	integer	The year of the marathon
marathon	character	The name of the marathon
country	character	The country where the marathon was held
finishers	integer	The number of finishers at the marathon
$mean_time$	numeric	The average finish time in minutes.

A resampled set of runners from all marathons with more 50 runners.

The data is called marathon_sample.

Description

Each marathon will have 100 runners. So any marathon with less than 200 runners will have multiple resampled runners. This data set has over 500k runners. The original data had close to 10 million runners and a few more columns. The NYT had a good article - https://www.nytimes.com/2014/04/23/upshot/whatgood-marathons-and-bad-investments-have-in-common.html?rref=upshot&_r=1

The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm >

Data format

A data frame with columns:

variable	class	description
age gender chiptime year marathon country finishers	numeric character numeric integer character character integer	The age of the runner The gender of the runner (M/F) The time in minutes for the runner The year of the marathon The name of the marathon The country where the marathon was held The number of finishers at the marathon

The full set of runners for all years of the New York City marathon.

The data is called marathon_nyc.

Description

This data set has just under 1 million runners. The NYT had a good article - https://www.nytimes.com/2014/04/23/upshot/what-good-marathons-and-bad-investments-have-in-common.html?rref=upshot&_r= 1. The NYC marathon website - https://www.nyrr.org/tcsnycmarathon

The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm >

Data format

A data frame with columns:

variable	class	description
age gender chiptime year marathon country finishers	numeric character numeric numeric character character numeric	The age of the runner The gender of the runner (M/F) The time in minutes for the runner The year of the marathon The name of the marathon The country where the marathon was held The number of finishers at the marathon

The full set of runners for all races during 2010.

The data is called marathon_2010.

Description

This data set has 800k runners. The NYT had a good article - https://www.nytimes.com/2014/04/23/upshot/what-good-marathons-and-bad-investments-have-in-common.html?rref=upshot&_r=1.

The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm > 1000 this data is < html

Data format

A data frame with columns:

variable	class	description
age gender chiptime year marathon country finishers	numeric character numeric numeric character character numeric	The age of the runner The gender of the runner (M/F) The time in minutes for the runner The year of the marathon The name of the marathon The country where the marathon was held The number of finishers at the marathon

The full set of runners for the Berlin marathon.

The data is called marathon_berlin.

Description

This data set has $\sim 550 \mathrm{k}$ observations. Marathon website - https://www.bmw-berlin-marathon.com/en/ The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm >

Data format

A data frame with columns:

variable	class	description
age gender chiptime year marathon country finishers	numeric character numeric numeric character character numeric	The age of the runner The gender of the runner (M/F) The time in minutes for the runner The year of the marathon The name of the marathon The country where the marathon was held The number of finishers at the marathon

The full set of runners for the Big Sur marathon.

The data is called marathon_big_sur.

Description

This data set has $\sim 40 \mathrm{k}$ observations. Marathon website - https://www.bigsurmarathon.org/ The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm >

Data format

A data frame with columns:

variable	class	description
age gender chiptime year marathon country finishers	numeric character numeric numeric character character	The age of the runner The gender of the runner (M/F) The time in minutes for the runner The year of the marathon The name of the marathon The country where the marathon was held The number of finishers at the marathon

The full set of runners for the Jerusalem marathon.

The data is called marathon_jerusalem.

Description

This data set has $\sim 2.5 k$ observations. Marathon website - https://jerusalem-marathon.com/en/home-page/ The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm >

Data format

A data frame with columns:

variable	class	description
age gender chiptime year marathon country	numeric character numeric numeric character character	The age of the runner The gender of the runner (M/F) The time in minutes for the runner The year of the marathon The name of the marathon The country where the marathon was held
finishers	$\operatorname{numeric}$	The number of finishers at the marathon

All of the runners for one year of data for marathons with lat and long locations

The data is called marathon_location.

Description

This data set has ~ 150 k observations.

The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm >

Data format

A data frame with columns:

variable	class	description
age gender chiptime year marathon country finishers	numeric character numeric numeric character character	The age of the runner The gender of the runner (M/F) The time in minutes for the runner The year of the marathon The name of the marathon The country where the marathon was held The number of finishers at the marathon

The data is called race_location.

Description

This data set has $\sim 2k$ observations.

The source of this data is < http://faculty.chicagobooth.edu/george.wu/research/marathon/data.htm and https://simplemaps.com/data/us-cities >

Data format

A data frame with columns:

variable	class	description			
marathon	characte	rThe name of the marathon that matches all other files			
marathon	marathon_clamecterA cleaned name of the marathon				
$state_id$	characte	rThe two letter ID for each US state			
city	characte	rThe name of the city where the race is held			
finishers	integer	The number of finishers at the marathon			
mean_tim	enumeric	The average finish time in minutes.			
lat	numeric	The lattitude of the city as listed at https://simplemaps.com/data/us-cities			
lng	numeric	The longitude of the city as listed at https://simplemaps.com/data/us-cities			
$elevation_{_}$	\mathbf{m} umeric	The elevation in meters above sea level as estimated from the elevatr R package.			
date	Date	The approximate date of the marathon. The year is correct but the month and			
		day changes every year and we have marked it the same.			
month	numeric	Approximate month of the marathon			
day	numeric	Approximate day of the month of the marathon.			
year	integer	The year of the marathon			