

Package: ComradesM (via r-universe)

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Type Package

Title The Comrades Marathon 1921 to 2019

Version 0.1.1

Description Datasets related to the Comrades Marathon used in the book Antony Unwin (2024, ISBN:978-0367674007) ``Getting (more out of) Graphics''. The main dataset contains the times of every runner that finished in the time limit for each year the race was run.

Depends R (>= 3.5)

License GPL (>= 2)

Suggests tidyverse

NeedsCompilation no

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Repository <https://impaug.r-universe.dev>

RemoteUrl <https://github.com/cran/ComradesM>

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`cmAll`*Results of the Comrades Marathon race from 1921 to 2019*

Description

Detailed individual results of the South African Comrades Marathon race

Usage

```
data(cmAll)
```

Format

A data frame with 445129 observations on the following 12 variables.

`Direction` Direction of race, up (Durban to Pietermaritzburg) or down (Pietermaritzburg to Durban)

`Bib` Race bib number

`Name` Runner's name

`Nation` Runner's nationality

`Club` Runner's club

`Time` Finish time in HH:MM:SS

`Medal` Medal won

`Category` Age group

`OA Place` Place overall

`Sex Place` Placing within male or female

`Cat Place` Placing within age group

`Year` Year of race

Details

This dataset and the datasets `cmDist` and `cmE` are all used in Chapter 21, "Over 90 years running 90 km"

Source

<https://www.kaggle.com/datasets/suugaku/comrades-marathon-results>

Examples

```
data(cmAll, package="ComradesM")  
with(cmAll, table(Direction))
```

`cmDist`*Distances run in the Comrades Marathon race from 1970 to 2019*

Description

Distances run in the South African Comrades Marathon race since 1970

Usage

```
data(cmDist)
```

Format

A data frame with 50 observations on the following 3 variables.

Year Year of race

Direction Direction of race, up (Durban to Pietermaritzburg) or down (Pietermaritzburg to Durban)

Distance Race distance in kms

Details

This dataset and the datasets cmAll and cmE are all used in Chapter 21, "Over 90 years running 90 km"

Source

<https://www.comrades.com>

Examples

```
data(cmDist, package="ComradesM")  
with(cmDist, summary(Distance))
```

`cmE`*Elevations along the Comrades Marathon route*

Description

Elevations along the planned Comrades Marathon route from Pietermaritzburg to Durban for 2020

Usage

```
data(cmE)
```

Format

A data frame with 109 observations on the following 3 variables.

Distance Distance from Pietermaritzburg in kms

Elevation Height above sea level in metres

Name Name of point, if known

Details

This dataset and the datasets `cmAll` and `cmDist` are all used in Chapter 21, "Over 90 years running 90 km"

Source

Based on information provided by the Comrades Marathon Association.

Examples

```
data(cmE, package="ComradesM")
with(cmE, summary(Elevation))
```

ComradesM

ComradesM: Runtime and race information data analysed in Chapter 21, "Over 90 years running 90 km", of "Getting (more out of) Graphics"

Description

The runners' times of the Comrades Marathon in South Africa for the years 1921 to 2019 together with race distances over the years and route elevation data.

Details

Most of the datasets analysed in the book are available in GmooG and other R packages.

Author(s)

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