

# Package ‘ComradesM’

August 23, 2024

**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** CRAN

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cmAll	<i>Results of the Comrades Marathon race from 1921 to 2019</i>
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## 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))
```

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

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**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))
```

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`cmE`*Elevations along the Comrades Marathon route*

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**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))
```

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ComradesM

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

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**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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