Package 'ChessGmooG'

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Type Package

Title FIDE Chess Players Ratings for 2015 and 2020

Version 0.1.0

Description Datasets of the International Chess Federation's player ratings and country information analysed in the book Antony Unwin (2024, ISBN:978-0367674007) ``Getting (more out of) Graphics''.

Depends R (>= 3.5)

License GPL (>= 2)

NeedsCompilation no

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Repository CRAN

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Contents

Chess2015   *Chess ratings from December 2015*

Description

Ratings for every chess player, active or inactive, reported by FIDE, the International Chess Federation, in December 2015.

Usage

```
data(Chess2015)
```

Format

A data frame with 227960 observations on the following 7 variables.

ID_Number ID number of player

Fed Abbreviation for national federation of player

Sex Sex of player, M or F

Tit Title, if any: GM, IM, WGM, FM, WIM, CM, WFM, WCM

DEC15 Player rating in December 2015

Bday Year of birth

Flag Indicator variable: i (male inactive), wi (female inactive), w (female active)

Details

This dataset and the datasets Chess2020 and ChessCountries are used in Chapter 8, "Comparing chess players across the board".

Source

<https://ratings.fide.com>

Examples

```
data(Chess2015, package="ChessGmooG")
with(Chess2015, summary(DEC15))
```

Chess2020   *Chess ratings from December 2020*

Description

Ratings for every chess player, active or inactive, reported by FIDE, the International Chess Federation, in December 2020.

Usage

```
data(Chess2020)
```

Format

A data frame with 362502 observations on the following 7 variables.

ID_Number ID number of player

Fed Abbreviation for national federation of player

Sex Sex of player, M or F

Tit Title, if any: GM, IM, WGM, FM, WIM, CM, WFM, WCM

DEC20 Player rating in December 2020

Bday Year of birth

Flag Indicator variable: i (male inactive), wi (female inactive), w (female active)

Details

This dataset and the datasets Chess2015 and ChessCountries are used in Chapter 8, "Comparing chess players across the board".

Source

<https://ratings.fide.com>

Examples

```
data(Chess2020, package="ChessGmooG")
with(Chess2020, summary(DEC20))
```

ChessCountries	*Populations of countries with chess players and regional groupings of countries*

Description

Populations of countries with chess players rated by FIDE and grouping of the countries into regions.

Usage

```
data(ChessCountries)
```

Format

A data frame with 188 observations on the following 8 variables.

Fed1 Abbreviation for country

Country Name of country

Region One of seven regional groupings of countries by the World Bank

fT Number of country's active chess players in December 2020

`Population` Population according to the World Bank

`GM` Number of country's active grandmasters in December 2020

`C1` Factor variable of names of countries

`C1a` Factor variable of 30 countries with most players, with remaining countries grouped as "Other"

Details

This dataset and the datasets Chess2015 and Chess2020 are used in Chapter 8, "Comparing chess players across the board".

Source

<https://data.worldbank.org>

Examples

```
data(ChessCountries, package="ChessGmooG")
with(ChessCountries, table(Region, useNA="always"))
```

ChessGmooG	*ChessGmooG: Chess datasets analysed in Chapter 8 of "Getting (more out of) Graphics"*

Description

The two datasets of chess ratings from December 2020 and December 2015 are each bigger than 1Mb, so they are provided in this package.

Details

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

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