Package 'youngSwimmers'

October 14, 2022

Title Young Swimmers Dataset

Version 0.0.1

Description Dataset from the young elite swimmers study.

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Encoding UTF-8

RoxygenNote 7.1.2

Depends R (>= 2.10)

LazyData true

URL <https://github.com/NIM-ACh/youngSwimmers/>,
    <https://nim-ach.github.io/youngSwimmers/>

BugReports <https://github.com/NIM-ACh/youngSwimmers/issues/>

Imports data.table, lifecycle

NeedsCompilation no

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R topics documented:

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swimmers   *Data from the young elite swimmers study*

Description

This is the data used for the young elite swimmers study (Castillo-Aguilar et al. 2021). It contains records from 26 competitive swimmers from ages 10 to 16 on 5 different competitive time periods.

Usage

```
swimmers
```

Format

This is a data.table object containing 27 variables and 130 rows

- period: Factor. Time periods from two competitions.
- subject: Factor. Subject ID.
- sex: Factor. Subject's sex (Male of Female).
- age: Numeric. Subject's age in years.
- weight: Numeric. Weight in kilograms.
- height: Numeric. Heigh in centimeters.
- fat: Numeric. Body fat in percentage.
- bmi: Numeric. Body mass index.
- ffmi: Numeric. Fat free mass index.
- sp: Numeric. Systolic blood pressure in mmHg.
- dp: Numeric. Diastolic blood pressure in mmHg.
- map: Numeric. Mean arterial pressure in mmHg.
- pp: Numeric. Pulse pressure in mmHg.
- sdnn_pre: Numeric. SDNN (Time domain parameter) pre-wingate test.
- rmssd_pre: Numeric. RMSSD (Time domain parameter) pre-wingate test.
- vlf_pre: Numeric. VLF (Frequency domain parameter) pre-wingate test.
- lf_pre: Numeric. LF (Frequency domain parameter) pre-wingate test.
- hf_pre: Numeric. HF (Frequency domain parameter) pre-wingate test.
- sdnn_post: Numeric. SDNN (Time domain parameter) post-wingate test.
- rmssd_post: Numeric. RMSSD (Time domain parameter) post-wingate test.
- vlf_post: Numeric. VLF (Frequency domain parameter) post-wingate test.
- lf_post: Numeric. LF (Frequency domain parameter) post-wingate test.
- hf_post: Numeric. HF (Frequency domain parameter) post-wingate test.
- power_peak: Numeric. Peak power output in Watts.
- power_mean: Numeric. Mean power output in Watts.
- power_min: Numeric. Minimum power output in Watts.
- fatigue: Numeric. Fatigue index in percentage.

Source

Index