Package 'MetabolicSyndrome'

May 7, 2026

Type Package

Title Diagnosis of Metabolic Syndrome

Version 0.1.3

Description

The modified Adult Treatment Panel -III guidelines (ATP-III) proposed by American Heart Association (AHA) and National Heart, Lung and Blood Institute (NHLBI) are used widely for the clinical diagnosis of Metabolic Syndrome. The AHA-NHLBI criteria advise using parameters such as waist circumference (WC), systolic blood pressure (SBP), diastolic blood pressure (DBP), fasting plasma glucose (FPG), triglycerides (TG) and high-density lipoprotein cholesterol (HDLC) for diagnosis of metabolic syndrome. Each parameter has to be interpreted based on the proposed cut-offs, making the diagnosis slightly complex and error-prone. This package is developed by incorporating the modified ATP-III guidelines, and it will aid in the easy and quick diagnosis of metabolic syndrome in busy healthcare settings and also for research purposes. The modified ATP-III-AHA-NHLBI criteria for the diagnosis is described by Grundy et al ., (2005) <doi:10.1161/CIRCULATIONAHA.105.169404>.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

URL https://github.com/jagadishramasamy/metsynd

BugReports https://github.com/jagadishramasamy/metsynd/issues

Suggests knitr, rmarkdown

Imports dplyr

Depends R (>= 2.10)

NeedsCompilation no

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Usage

```
MetabolicSyndrome(x)
```

Arguments

`x`	a data frame with column names as exactly specified.

Value

Yes or No

Examples

```
MetabolicSyndrome(x)
```

x *An example data frame*

Description

A data frame with exact column names as specified.

Usage

```
x
```

Format

A data frame with parameters needed to diagnose metabolic syndrome.

Gender Gender in Male or Female

WC Waist Circumference in cm

TG Triglycerides in mg/dL

HDLC High Density Lipoprotein Cholesterol in mg/dL

SBP Systolic BP in mm Hg

DBP Diastolic BP in mm Hg

FPG Fasting plasma glucose in mg/dL

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