Package: MetabolicSyndrome (via r-universe)

October 12, 2024

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)

Repository https://jagadishramasamy.r-universe.dev

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

RemoteRef HEAD

RemoteSha 81d4b3ff4ab62bfd2b6d591ffad896e111eded02

Contents

MetabolicSyndrome   *Diagnosis of Metabolic Syndrome*

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>.

Usage

```
MetabolicSyndrome(x)
```

Arguments

x   a data frame with column names as exactly specified.

Value

Yes or No

Examples

```
MetabolicSyndrome(x)
```

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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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