

BMI Implementation Using the R SHINY Framework

Documentation for the BMI Shiny App Introduction

BMI is Short for Body Mass Index. It is computed as a composite of of Weight and Height and is a good predictor of health issues. It may be used for both children and adults

Algorithm

The algorithm has two inputs - the height in inches and the weight in pounds.

The BMI formula is

$$BMI = 703 * Weight / Height^2$$

Where 703 is a constant

Program Implementation

The program was implemented as an R Shiny App and consisted of two parts - a server.R and a ui.R. The ui.R implemented the front end and server.R implmented the back-end

How to Use

Input height in inches and weight in pounds. The program computes the BMI automatically as the values are entered. Changes in either height or weight will cause BMI to be recomputed automatically.