SESSION 16: R FOR BUSINESS ANALYTICS (CONTD.)

Assignment 1

Table of Contents

1. Introduction

This assignment will help you understand the concepts learnt in the session.

2. Objective

To understand the concepts in R.

3. Prerequisites

Not applicable.

4. Associated Data Files

N/A

5. Problem Statement

• Write a function that to calculate BMI (Body Mass Index):

• BMI for a person is defined as their body mass divided by the square of their height

• The weight is in kilograms and the height in meters or

• (The weight can be in pounds and the height in inches)* 703

• Check your BMI:

Category	BMI range – kg/m²
Very severely underweight	less than 15
Severely underweight	from 15.0 to 16.0
Underweight	from 16.0 to 18.5
Normal (healthy weight)	from 18.5 to 25
Overweight	from 25 to 30
Obese Class I (Moderately obese)	from 30 to 35
Obese Class II (Severely obese)	from 35 to 40
Obese Class III (Very severely obese)	over 40

6. Expected Output

N/A

7. Approximate Time to Complete Task