R Regression Assignment

A student is interested in how body shape and body image affect self-esteem. She randomly selects 295 participants (291 agree to participate) from the electoral register and collects the following data:-

1. Age
2. Gender
3. Height
4. Weight
5. Body Mass Index (BMI)
6. Body Image Satisfaction (Using a standardized questionnaire, which is expected to produce scores with a mean of 100 and a standard deviation of 15). High scores indicate greater satisfaction.
7. Self Esteem (Using a standardized questionnaire, which is expected to produce scores with a mean of 100 and a standard deviation of 20). High scores indicate greater self-esteem.

The data can be found in the file ***BodyImage*** (available from Blackboard)

Your task is to analyse this data. You must:

* (i)  Analyse these data using the Multiple Regression technique of your choice in R.
* (ii)  Prepare a 1000-word report using R Markdown to generate a Word file to present and interpret the data.