**Assignment 2: Data Modelling**

Student Full Name (Student ID/Number)

Write your report using this template. **Delete text in red.**

You will submit a PDF file (not a Word file). Name the file as required.

If there is nothing required in a (sub)task, feel free to *briefly* outline how you accomplish the (sub)task.

Any relevant graphs/charts should be given in the report as appropriate. All required descriptions, discussions, and justifications must be included in this report.

Don’t copy code here.

Page limit: 12. It is absolutely okay if your report is less than 12 pages.

# **Task 1: Regression**

Feel free to add/delete/adjust sub-sections

## **Simple Linear Model (subsection)**

# **Task 2: Classification**

## **kNN**

## **modified kNN**

## **Decision Tree (and Comparison)**

# **Task 3: Clustering**

You may use subsections in any section as needed.

# **References**

Provide accurate and complete information for every reference, if any. Each reference must be cited in text at least once.

Remove this section if there is no reference.