



## **PROJECT 2**

### **REPORT FORMAT**

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Times New Roman, size 12 and spacing 1.15.

One column (normal report).

5-8 pages (not including Appendix).

### **REPORT ORGANIZATION**

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#### **1) Introduction or background**

Explain the purpose of the study in your own words, why you were interested in the question and what you expected to see from the data.

#### **2) Dataset**

Description of the chosen dataset including parameters or variable to be measured and how you do the data pre-processing (if applicable). Also explanation on why you choose the parameter/variables and possible outcome of the test based on your chosen variables

#### **3) Data analysis**

3 compulsory tests:

- i. Hypothesis 1 or 2 sample test
- ii. Correlation test
- iii. Regression test

ONE optional test (at least). Choose from:

- i. Goodness of fit test
- ii. Chi-Square test of independence
- iii. ANOVA test

For each test, you need to define the variables used and what is your conclusion from the test.

For Correlation and Regression, you **MUST** include scatter plot graph to represent the analysis. Interpret and discuss what you can learn from the tests and graph.

**\*NOTE: PLEASE DO NOT INCLUDE R SCRIPT CODE IN YOUR REPORT.**

The script is submitted in another R or text file.

#### **4) Conclusion**

What have you learned from all activities done in Project 2 (choosing dataset, pre-processing and analysis process etc.) What is your best/interesting findings from your results?

#### **5) Appendix**

Sample of your original/raw dataset and your processed dataset (if applicable).