MATH240 Introduction to Probability and Statistics for Engineers

Project 3

Statistical Analysis and Hypothesis Testing

The goal of this assignment is for you to apply your knowledge on statistical analysis and hypothesis testing using your gathered data from Project 2. Alternatively, you **may also pick a new dataset**. In this assignment, you will apply:

> Hypothesis testing using your data from project 2 or your new data: Make reasonable hypotheses (null and alternative) of your population where you already collected/obtained sample data from that population. Test your hypotheses using an appropriate test.

You should submit a report (no need for cover page) through Moodle which should be similar in format to prior projects. Make sure to include:

- Your name
- Date
- Course code and title
- Appropriate title of assignment
- Introductory paragraph (2-3 sentences that explains what you did for the assignment)
- Hypothesis testing of population using data from continuous distribution
- Results (interpretation of the outcome of hypothesis testing)
- Discussion of results