

# NANYANG TECHNOLOGICAL UNIVERSITY

School of Mechanical and Aerospace Engineering

## MA4829 Machine Intelligence, Semester 2, 2023/2024

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### Group Assignment: Product Survey Data Analysis

For the group assignment, you are required to submit a report on **the analysis of the product survey data**. A group of 3 to 5 students will undertake the assignment and it is required for each group to submit one group report. The report should include the names and matric numbers, the proposed title, an abstract of up to **200 words**, analysis, results, discussion, conclusion, and references.

The report must not be more than **3500 words** and is due on **16 February, 2024**. Please submit softcopy of your report in MS WORD format to 'Group Assignment Submission' folder at NTULearn by the due date. Late submissions will not be accepted.

The written report should draw on concepts and ideas learned from this course. You are encouraged to work on the strategies of product design and development using the data. Relevant concepts from other courses may also be used to support and enrich your writing. Data mining techniques and tools may be used and should contain specific types of analysis such as classification, clustering, PCA, association rule mining, etc. The information of software for the data analysis should be described in the report.

Data: Product\_Survey\_Results\_2024.xlsx

#### Note:

**Plagiarism**, i.e. to use or pass off as one's own, the writings or ideas of another, without acknowledging or crediting the source from which the ideas are taken, is unacceptable and will result in failing the subject.