Milestone M3 – Data Analysis & Regression
Learning Objectives under Evaluation

For M3, you will demonstrate your ability to:

- 07.00 Create and evaluate x-y plots suitable for technical presentation
- 08.00 Compute basic descriptive statistics of values stored in arrays using appropriate commands
- 08.01 Compute basic descriptive statistics of values stored in vectors
- 11.00 Create and execute a user-defined function
- 11.03 Create a user-defined function that adheres to programming standards
- 12.00 Perform linear regression
- 12.03 Manually compute the SSE
- 13.00 Perform function discovery and data transformations
- 15.00 Construct and troubleshoot a flowchart using standard symbols and pseudocode
- 15.05 Construct a flowchart for a definite looping structure using standard symbols and pseudocode
- 21.02 Communicate ideas clearly and concisely
- 21.03 Evaluate model or algorithm development (e.g. ideas/ work/ functionality) using evidence-based rationales
- 21.04 Create a mathematical model that addresses the complexity of problem
- 22.00 Reflect on feedback for the purpose of improvement