

Person	Task	Description
Dushime Paulette	Implemented Probability Distribution	I wrote code using Google Colab for finding probability density values using the bivariate Normal distribution formula, and also did visualizations of the PDF with the matplotlib library using a contour plot and a 3D plot
Glory Paul	Implemented the Part B - Bayesian probability	I analyzed IMDb Reviews by selecting keywords and computing the probability that a review is positive given each keyword using Bayes' Theorem.
Wagner Mushayija	Implemented Gradient Descent using the Scipy library	I converted the manual calculations that miracle did into code using scipy. I wrote code to update the values of m and b. I ensured the code did not abstract the update process excessively, and finally visualised how m,b, and the Error change over iterations using the matplotlib library.
Nanen Miracle Mbanaade	Manual Calculation of Gradient Descent	Manually computed three updates of the gradient descent algorithm for the parameters in a simple linear regression model.