

Member Name	Contribution Summary
Aubert Gloire Bihibindi	Led Part 1: Binomial Distribution analysis, implemented formulas, and assisted with manual gradient descent calculations in Part 3
Liliane Umwanankabandi	Led Part 2: Bayesian Probability implementation, including coding, explanation, and validation of results; contributed to Part 3 manual calculations.
Elissa Twizeyimana	Led Part 4: Developed Python code for Gradient Descent, ensured step-by-step calculations, and collaborated on Part 3 manual calculations.
Caline Uwingabire	Designed and generated all visualizations for Part 1 and Part 4, supported code testing, and contributed to Part 3 manual calculations.