Monte Carlo techniques were applied to create the dart simulation program.

Logic was used to determine each dartist's probability of striking the dartboard.

The Reasoning Behind Pi Estimation:

explained how the idea of the ratio of areas can be used to estimate the value of Pi using the dart simulation.

Excel and Simulation Execution Making a plot:

Plotted the Pi values in an Excel sheet against the total number of simulations.  
  
  
  
  
  
Calculating every conceivable combination to acquire 32 out of ten dice rolls in an exact manner.

Understanding and elucidating the various combinations that result in the total of 32 is statistical analysis.

Detailed Explanation: Outlining all the methods and reasons for performing the precise calculation in writing.

Presentation of Results: Outlining the precise likelihood and providing a summary of the results.

Helping with Excel Preparation: Offering guidance on how to arrange and structure the statistical data in the Excel file.  
  
  
  
  
  
  
The design of the simulation involves writing 500 times of Python code to imitate dice rolls and counting the number of times the total adds up to 32.

Estimating probability is the process of calculating the likelihood using a simulation and outlining the methodology.

Plotting graphs to illustrate the converge of the simulation-based probability is part of the graphic representation.

Excel Data Collection: Outlining the process for entering the simulated data into an Excel file so that it may be further examined.

Working together to make sure Tasks 1 and 2 integrate smoothly for data consistency.  
  
  
  
Making an Excel spreadsheet with sections for data logging, calculating mean and mode, and graphical depiction is known as "Excel File Creation."

Data Logging and Organization: Including instructions on how to enter computations, mean, mode, and simulation results into an Excel file.

Overseeing the coordination of documentation for the group project, including recording participant contributions, rules, and results.

Graph Preparation: To improve visualization, organize the Excel file such that graphs from recorded data are produced automatically.

Assistance with the compilation of the final project report, which includes a summary of the main conclusions and results from both assignments.