Dear SIR/MA, Cognizant Data Science Team Leader,

I recently completed my first task, which was to analyze the Gala Grocery chain of technology-driven grocery stores.

**Summary**:

My analysis of Gala Groceries shows that the histograms and bar plots illustrate how often different unit prices and quantities are sold. The dataset includes sales data where "unit\_price" and "quantity" determine the "total" sales amount. The correlation matrix shows how these variables relate to each other. There's a strong link between "quantity" and "total," meaning that selling more items will naturally boost overall sales.

**Recommendation**:

 Set up discount programs for bulk purchases to boost sales.

 Cut back on low-performing products and consider discontinuing or replacing them with better options.

 Make sure high-demand products are always in stock by adjusting inventory levels based on sales data.

 Review customer feedback to understand their preferences and improve products.

 Use time series analysis in future studies to spot seasonal sales trends

Best regards,

**TIAMIYU NURUDEEN TOBILOBA**.