Dear Cognizant Data Science Team manager,

I hope this email finds you well. As part of our data science project for Gala Groceries, I have completed the following tasks:

- Loaded and analyzed the sales data to better understand the dataset.

- Conducted exploratory data analysis to gain insights into the data distribution.

- Investigated correlations among key variables to identify potential relationships.

Here are the key findings from my analysis:

- The dataset contains 7829 rows and 9 columns.

- Sales data generally exhibits a positive correlation except negative correlation between quantity and hour.

- The top-selling categories are Fruits, Vegetables and packaged foods.

- Sales tend to peak during the hours 11, 16, 18, 10 and 12.

Based on these findings, I recommend the following actions to address Gala Groceries' supply chain issue:

- Optimize inventory levels during peak sales hours to avoid overstocking and understocking.

- Focus on promoting the top-selling categories to maximize revenue.

- Implement data-driven decisions to adjust procurement and storage strategies.

Should you require further details or have any specific questions, please do not hesitate to reach out.

Best regards,

Bwacha Atajiri