Weekly Summary - Group 5

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Our team coordinated well and documented the project plan and progress. We did an initial exploratory data analysis to understand the data and key variables. We added new columns for more insights and analyzed store closures and holiday impacts. We made visualizations to show patterns and trends, set up a GitHub repository for version control, and made sure all team members were aligned on tasks and documentation.

Each group member's contribution

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1.Team Coordination:

Ensure effective communication within the team and coordinate tasks.

2.Documentation:

Document the project plan, objectives, and milestones. Keep track of the project progress and update the documentation as needed.

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1. Initial EDA:

Analyze the data to understand its structure and contents.

Identify key variables and their distributions.

2. Visualization:

Create visualizations to highlight patterns and trends.

3. Summary Report:

Document the findings from the EDA.

Share the report with the team for review.

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1. GitHub Setup:

   Create a GitHub repository for the project.

   Set up access for all team members.

2. Version Control:

   Establish a clear folder structure for the repository.

   Ensure all team members understand how to use Git for version control.

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1. Initial EDA:

   Add new columns: Year, Month, Day, WeekofYear, SalesPerCustomer.

   Count the number of days the store is closed and the store is open but has zero sales.

   Draw a histogram of the number of days the store is closed.

   Count the values of school holidays (SchoolHoliday) and state holidays (StateHoliday) and draw a histogram.

Future Work

In the coming week, we will perform more EDA to learn about the time series nature of sales data, identifying seasonal patterns, trends, spot anomalies, frame hypotheses, and make decisions about which models to apply.