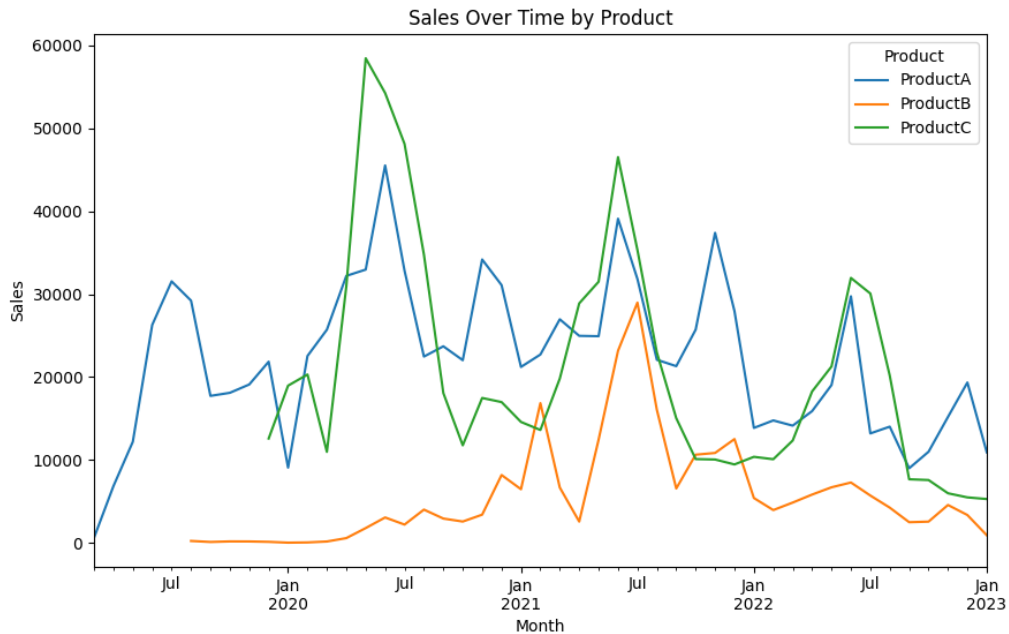


## Initial Analysis for Combined\_sales\_data

{'missing\_months': [], 'inconsistent\_sales\_entries': Empty DataFrame Columns: [Product, Month, Sales] Index: [], 'duplicate\_entries': Empty DataFrame Columns: [Product, Month, Sales] Index: []}

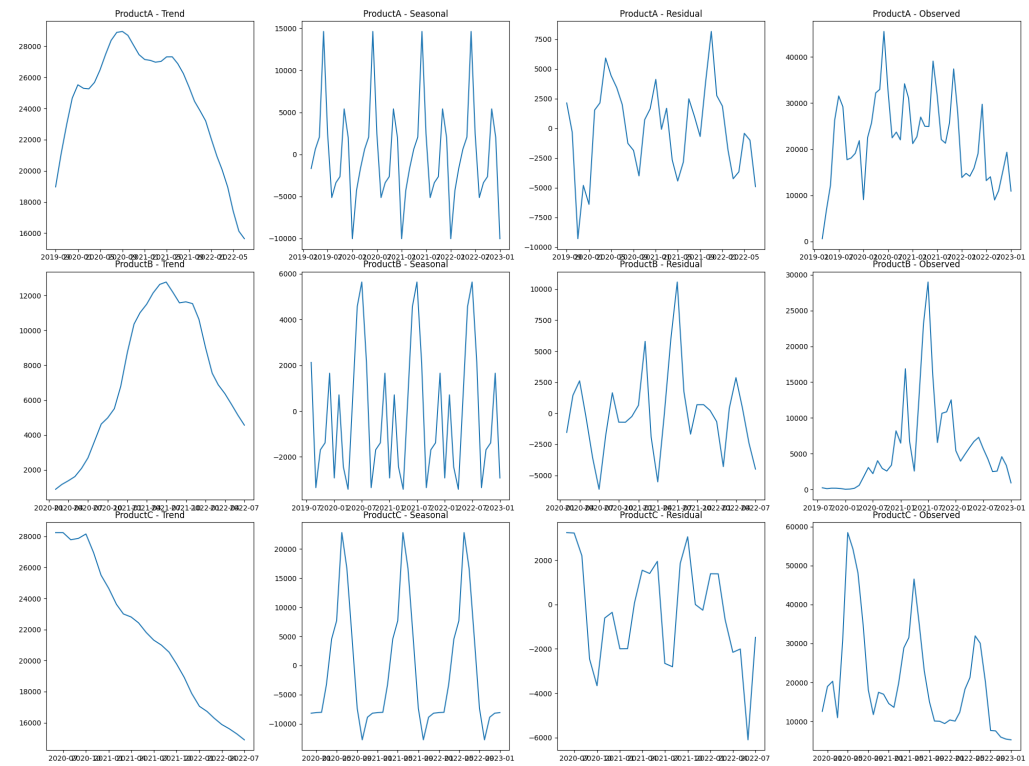
## Temporal Analysis for Combined\_sales\_data

{'trend\_analysis': 'Overlay trend analysis visualized with missing data.'}



## Product Analysis for Combined\_sales\_data

{'ProductA': 'Decomposed into trend, seasonal, and residual components.', 'ProductA\_plot': 'C:/Users/matta/Code/.vscode/BeerwulfForecast/output/EDA\_Output\\ProductA\_behavioral\_patterns.png', 'ProductB': 'Decomposed into trend, seasonal, and residual components.', 'ProductB\_plot': 'C:/Users/matta/Code/.vscode/BeerwulfForecast/output/EDA\_Output\\ProductB\_behavioral\_patterns.png', 'ProductC': 'Decomposed into trend, seasonal, and residual components.', 'ProductC\_plot': 'C:/Users/matta/Code/.vscode/BeerwulfForecast/output/EDA\_Output\\ProductC\_behavioral\_patterns.png'}



# Correlation Analysis for Combined\_sales\_data

Correlation matrix computed and visualized.

Correlation Matrix of Product Sales

