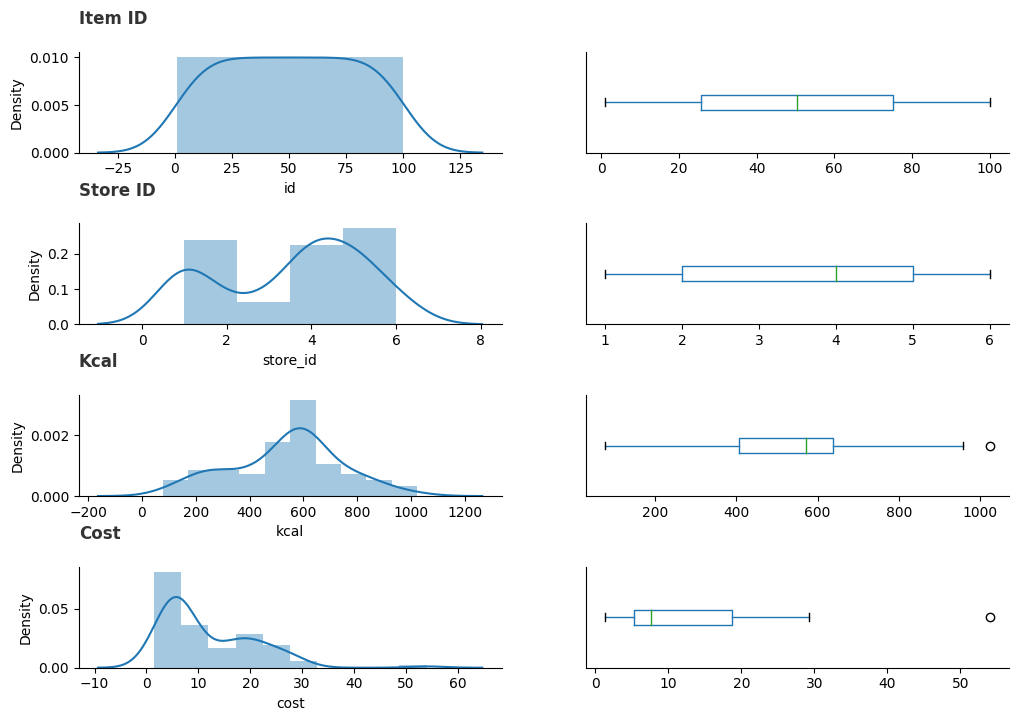
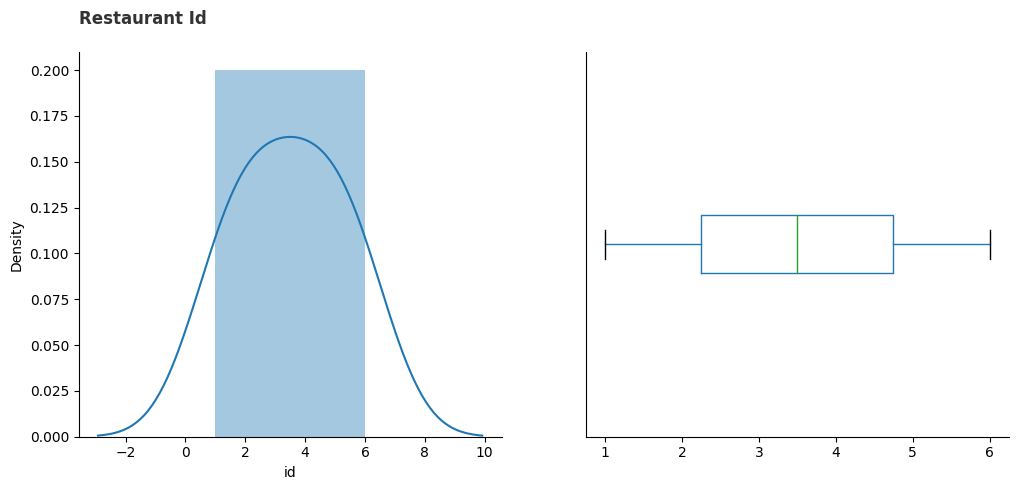
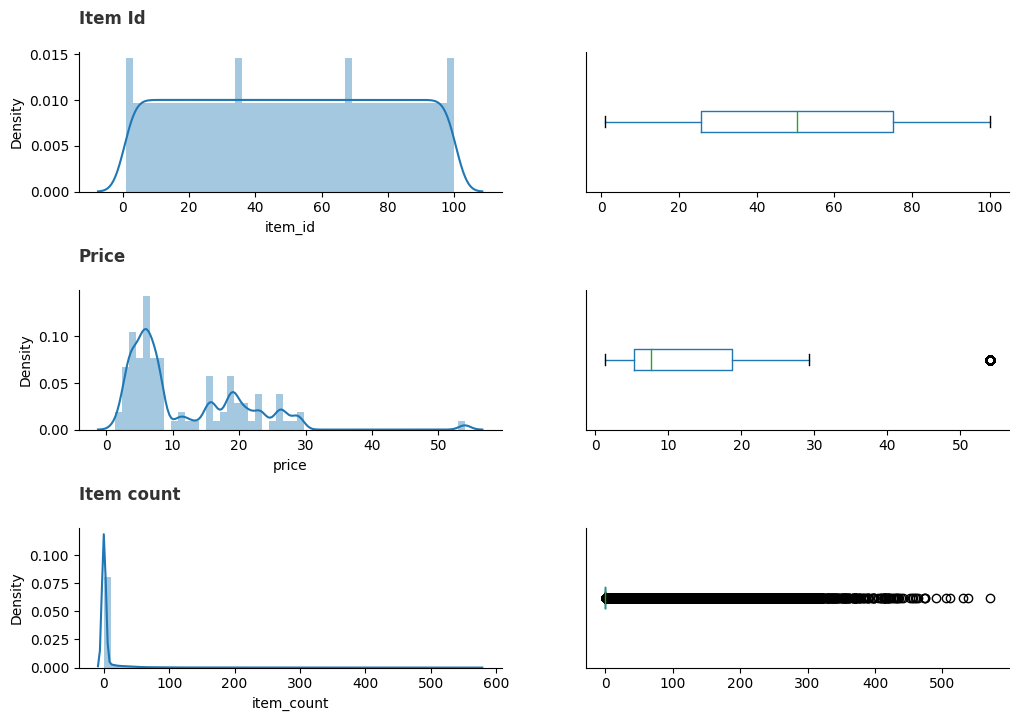
# Sales Forecasting Screenshots

**Check for outliers**

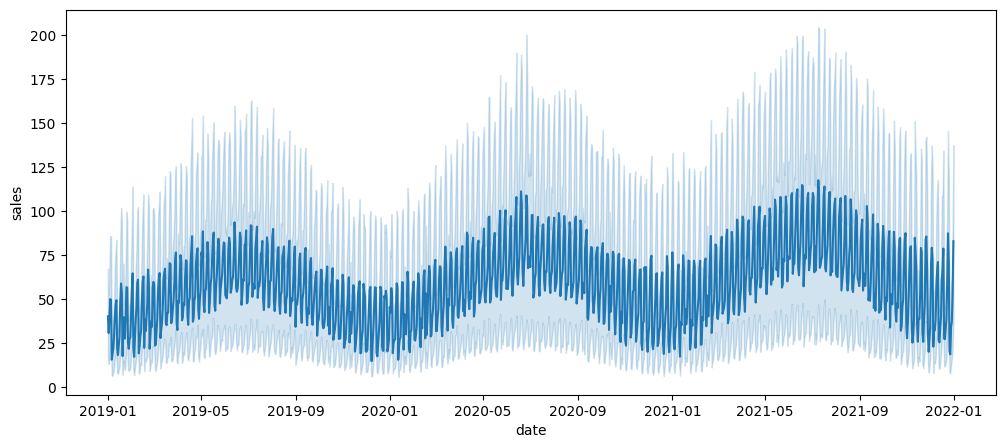




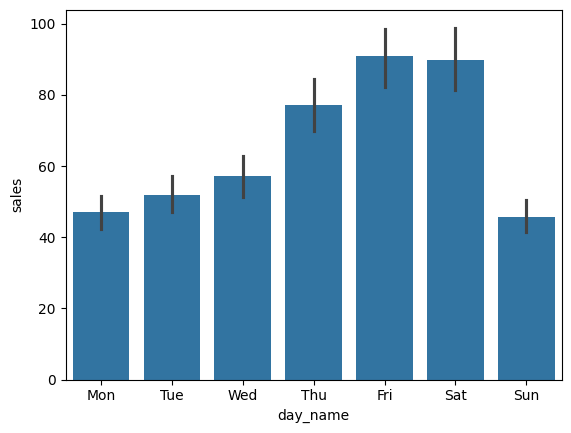


## **Exploratory data analysis**

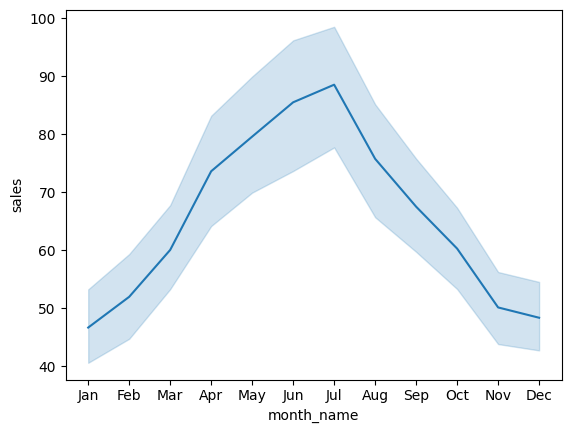
#### ****1. Examining the overall date wise sales to understand the pattern****



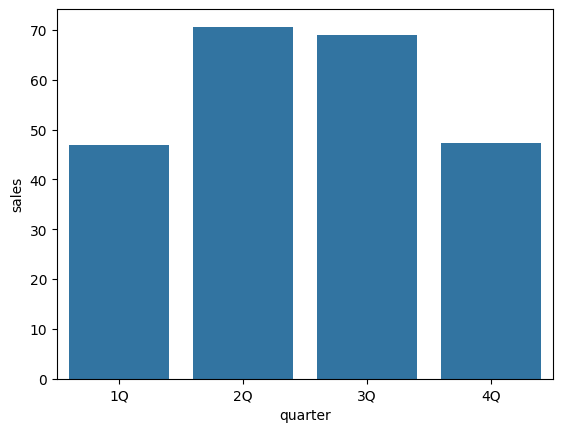
#### ****2. Sales fluctuation across different days of the week****



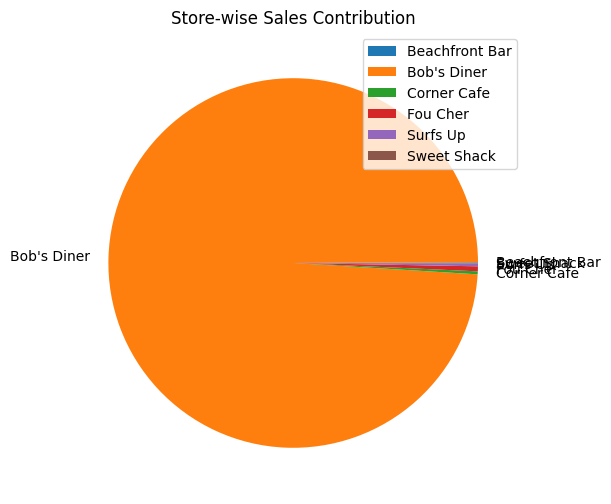
#### ****3. Trends in the sales data for different months of the year****



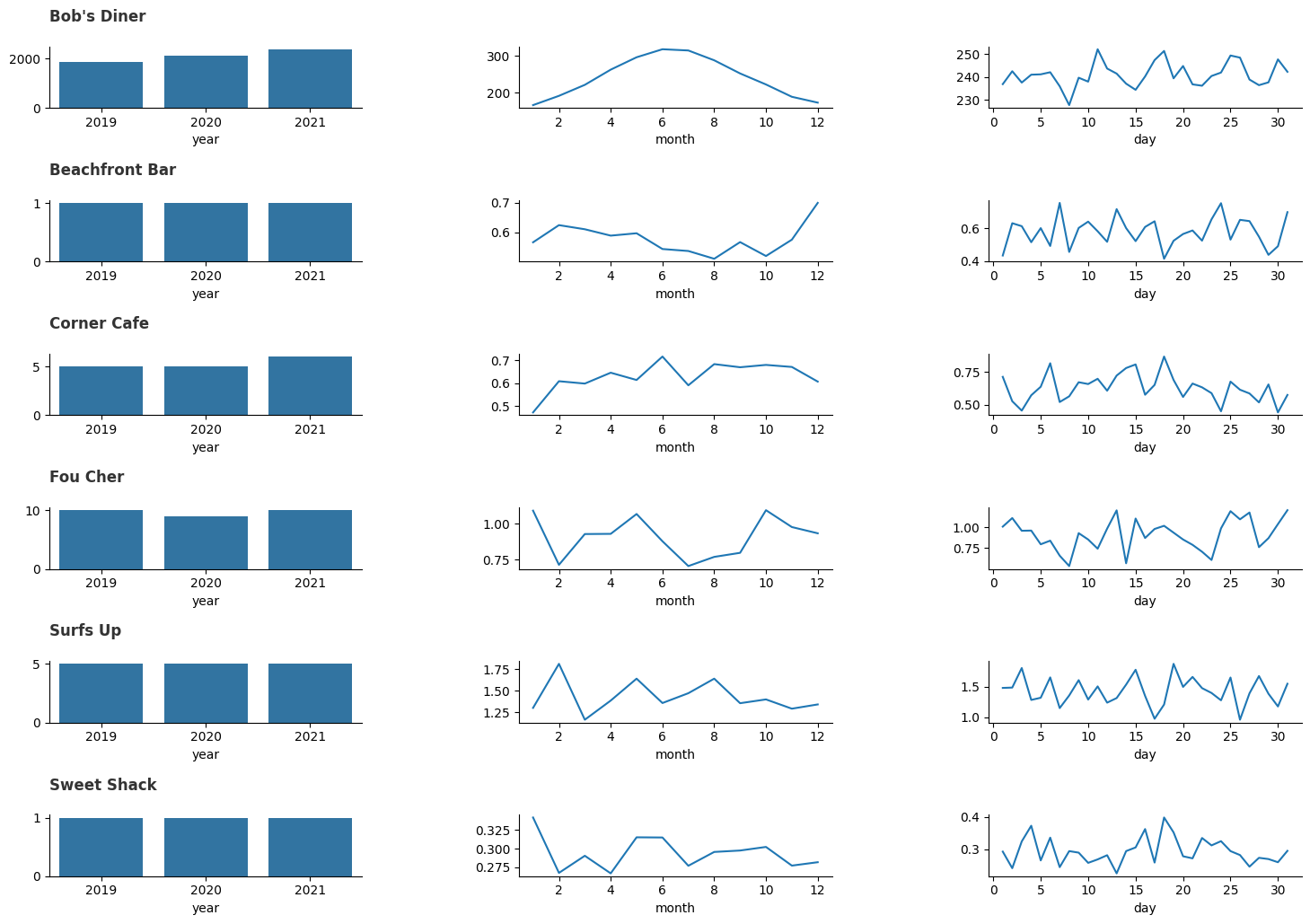
#### ****4. Sales distribution across different quarters****



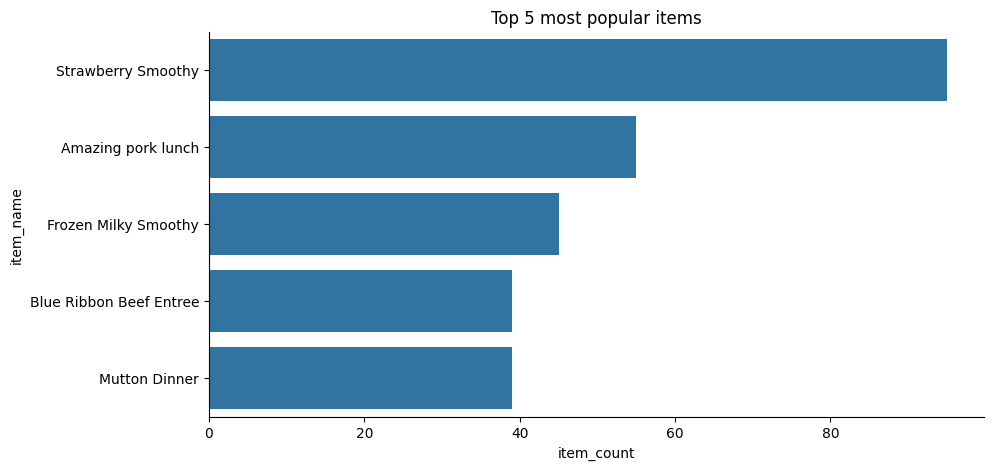
#### ****5. Comparing the performances of the different restaurants****

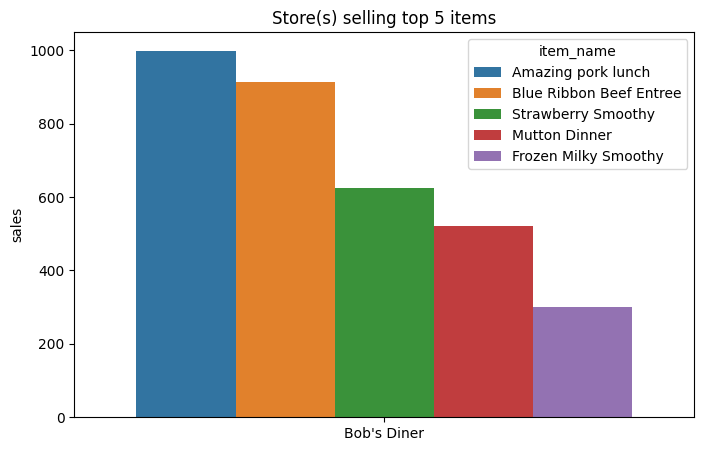


**Comparing sales for each restaurant across different years, months, and days**

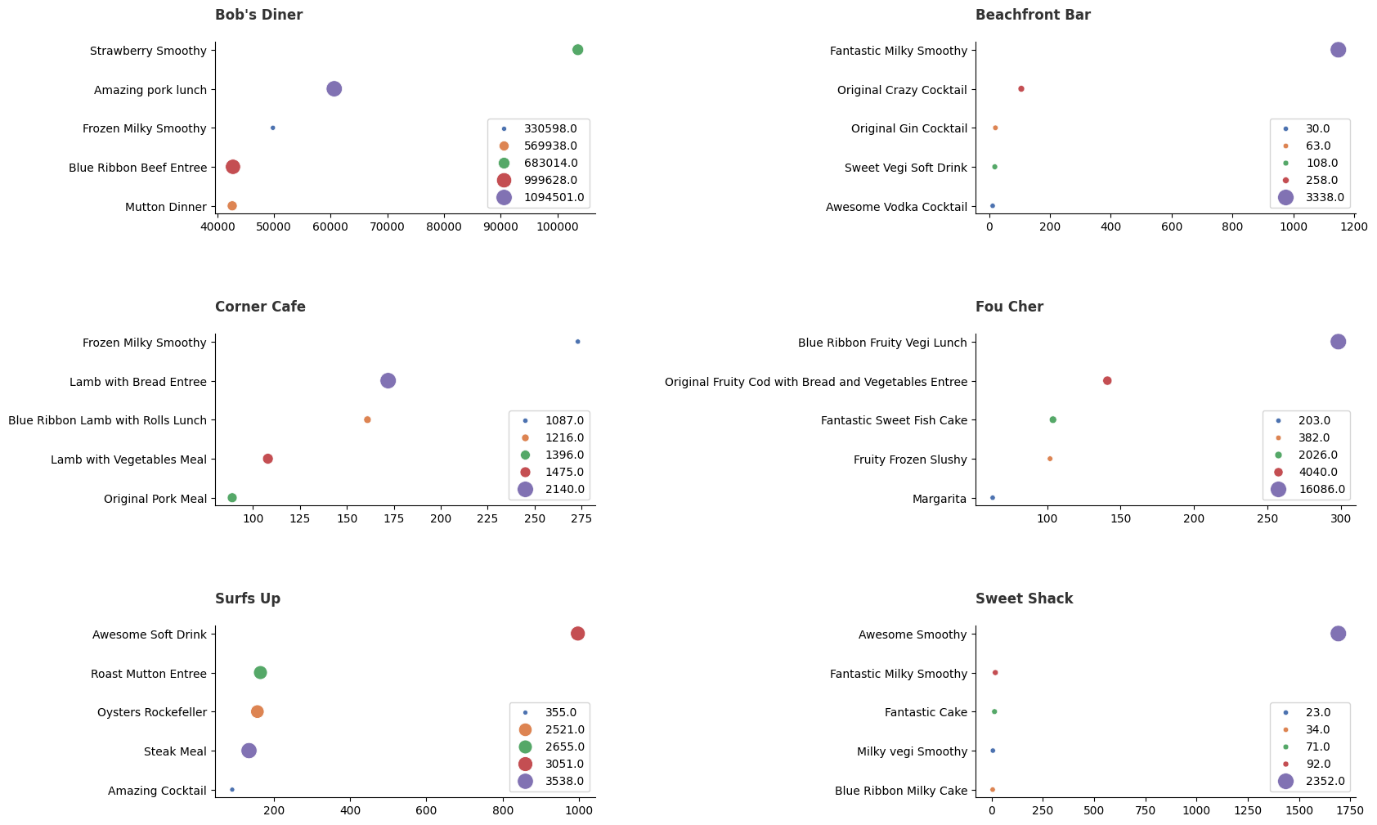


**Fetching the top 10 most popular items overall**

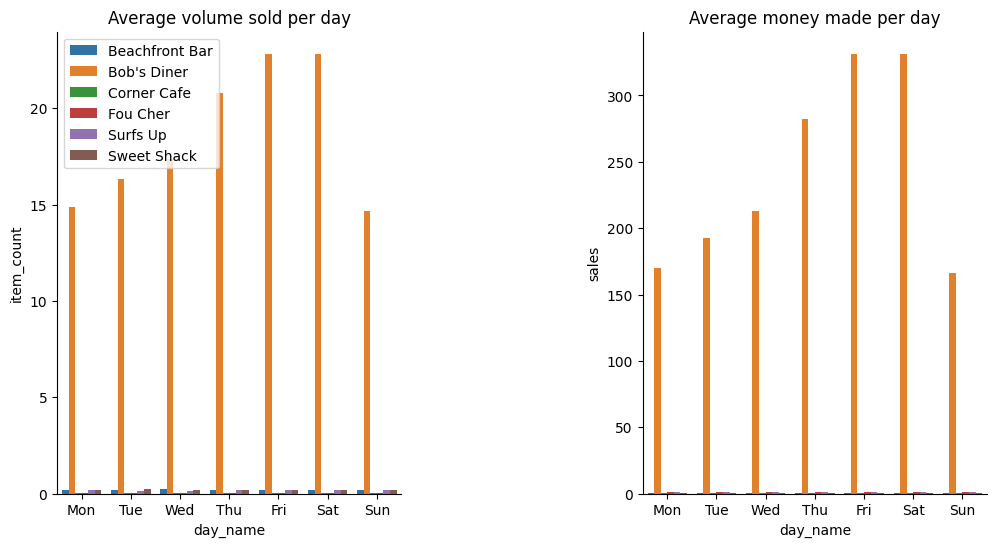




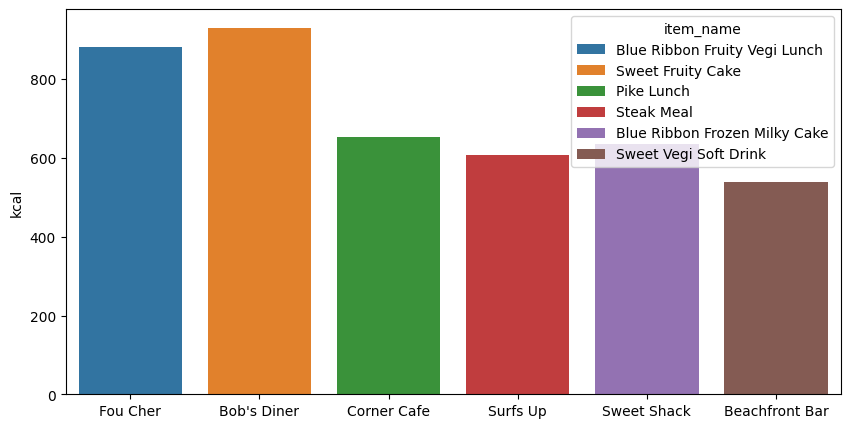
**Finding out the most popular item at each store**

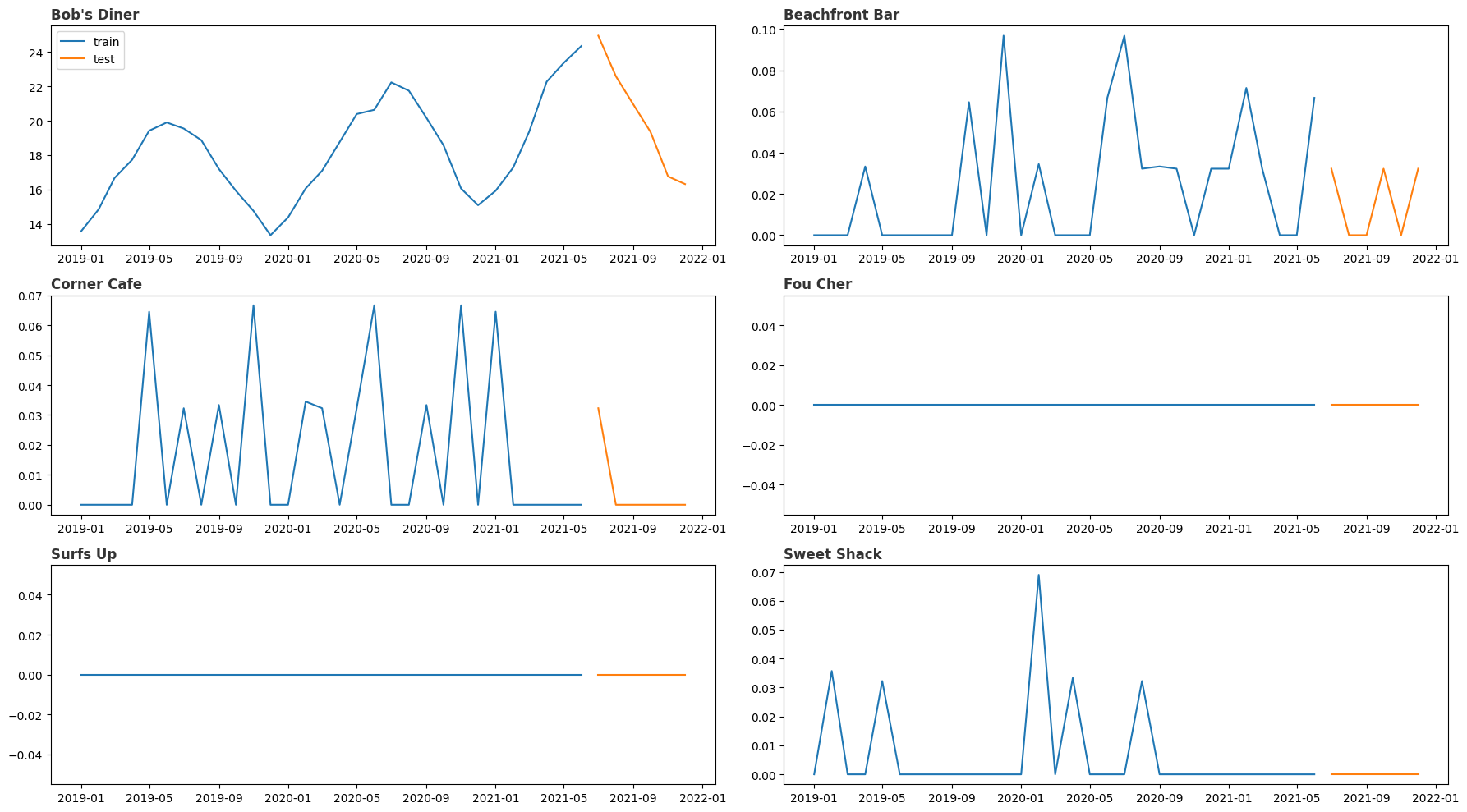


#### ****7. Checking if the store with the highest sales volume is also making the most money per day****

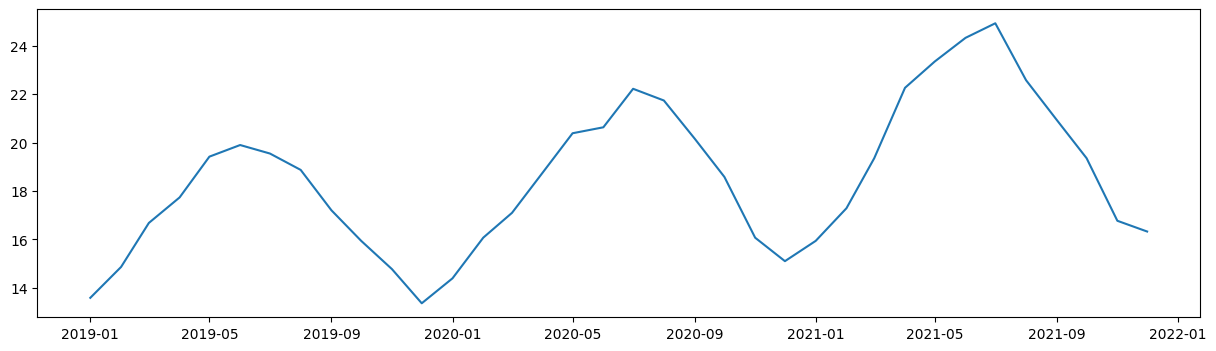


#### ****8. Identifying the most expensive item at each restaurant and its calorie count****

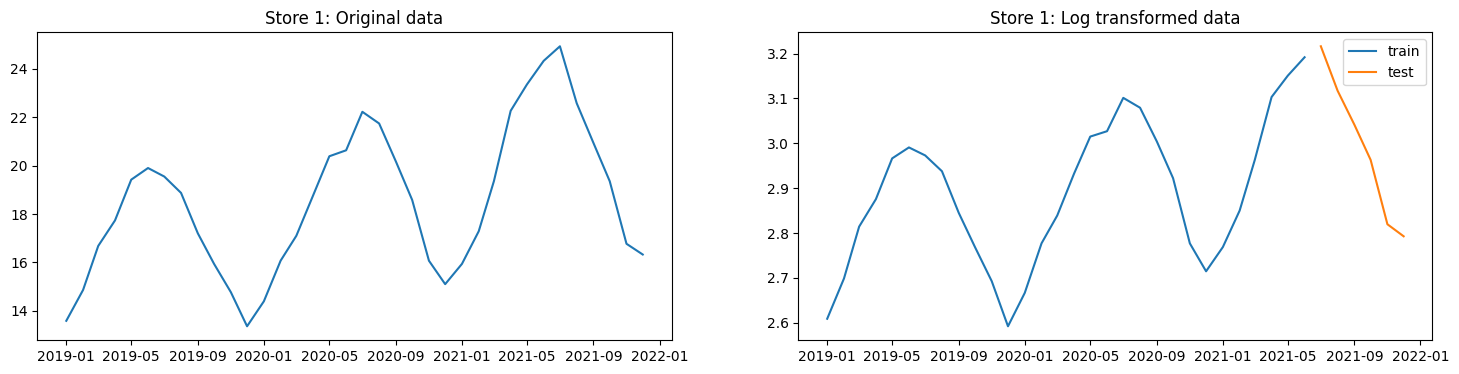


**Visualizing train and test data for each store**

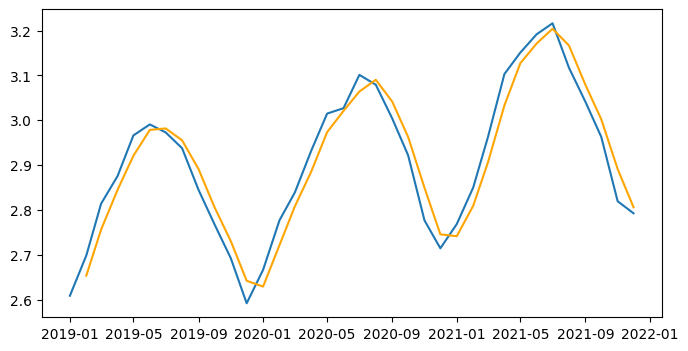
##### **Checking whether the time series data is stationary or not**



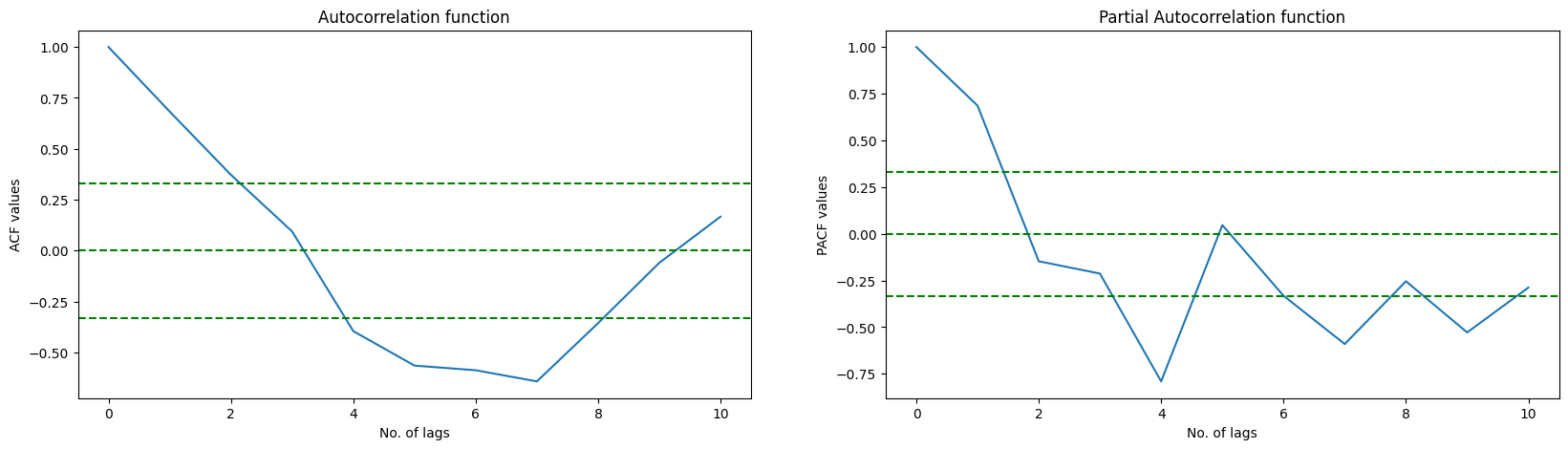
**Plotting original and log transformed data**



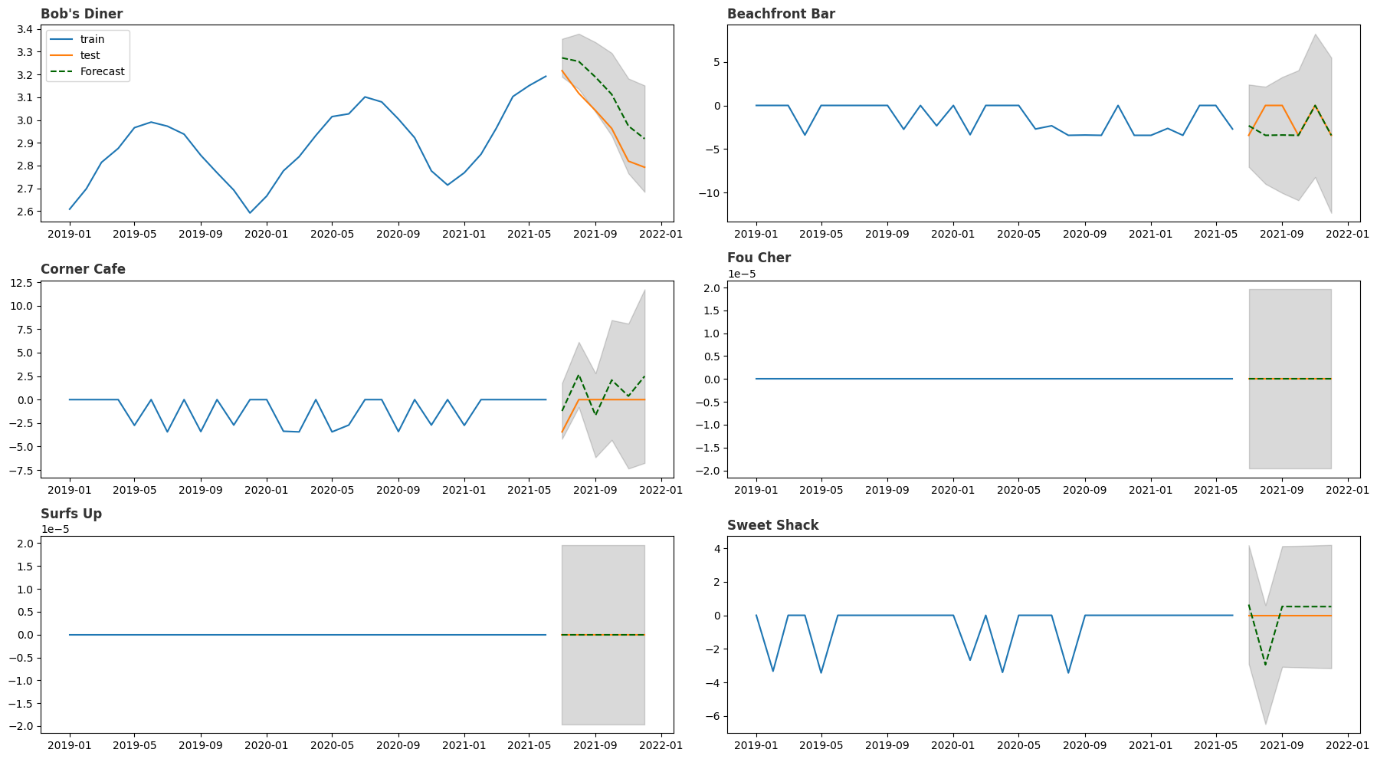
**Differencing**



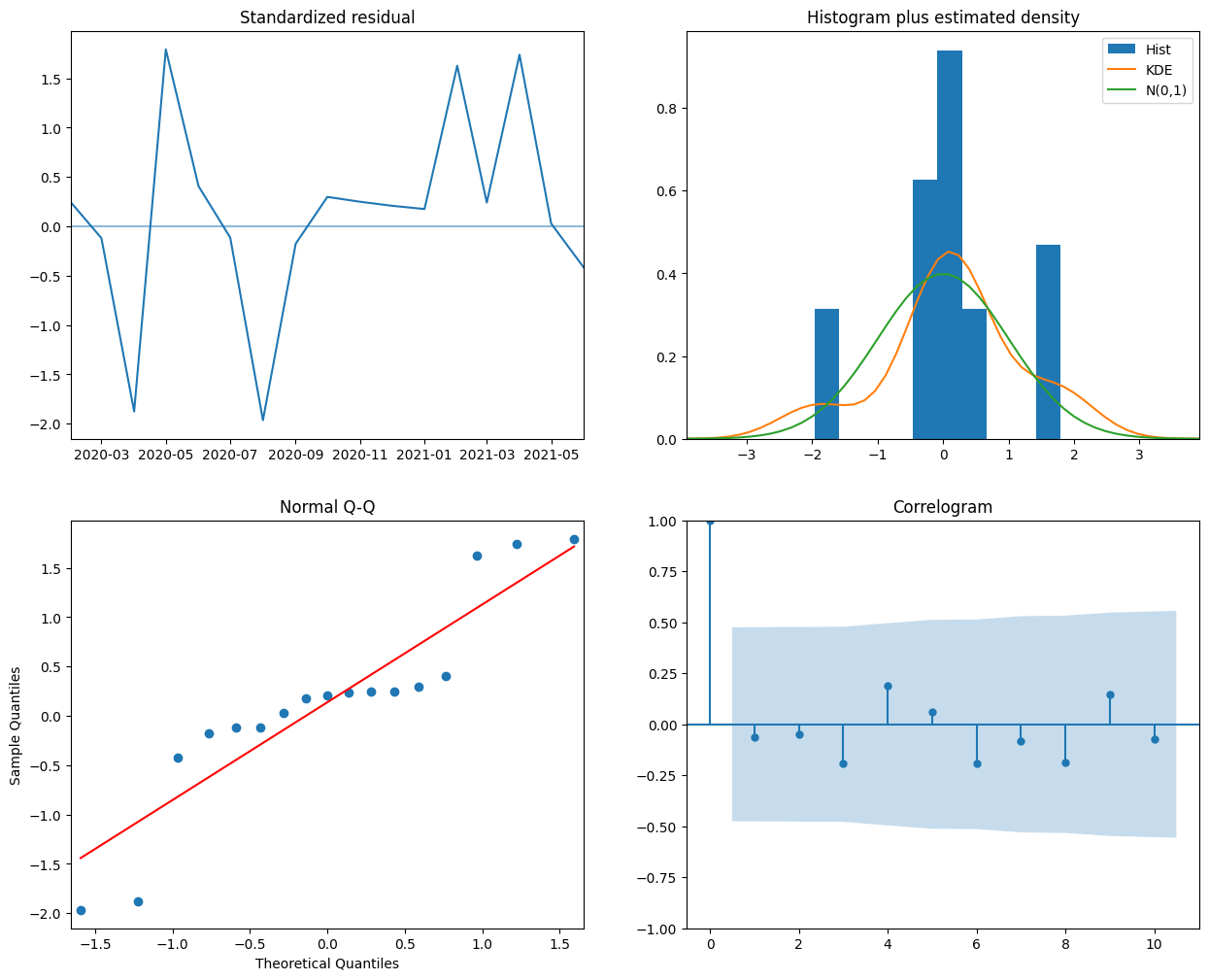
**Plotting the ACF and PACF curves**



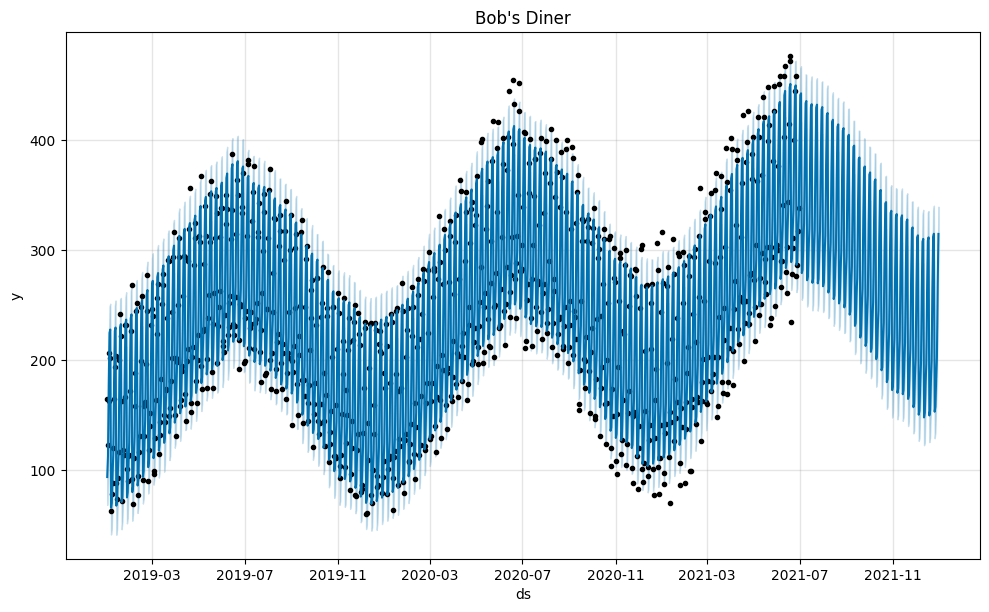
**Plotting the SARIMA model output**

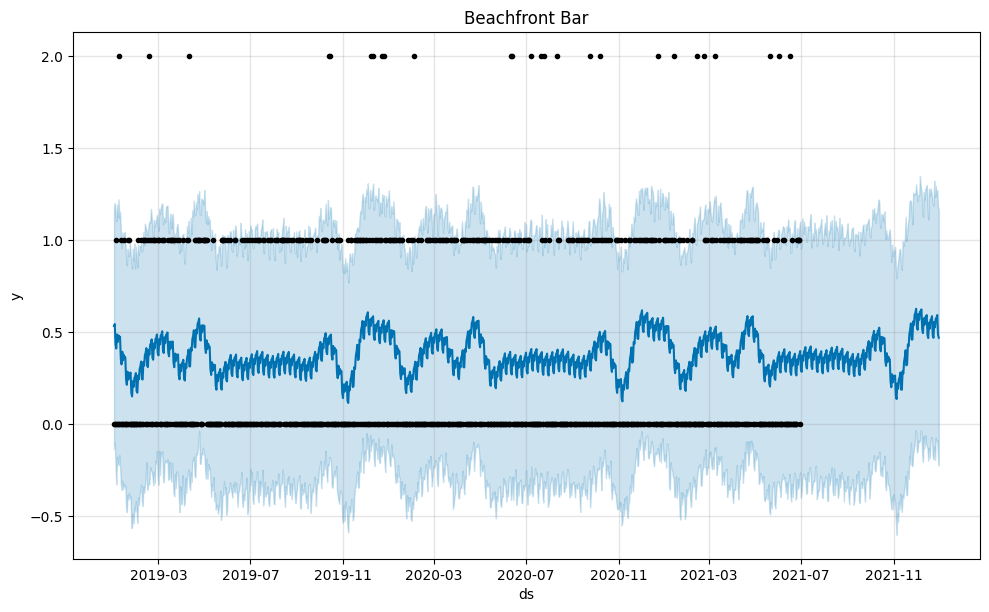


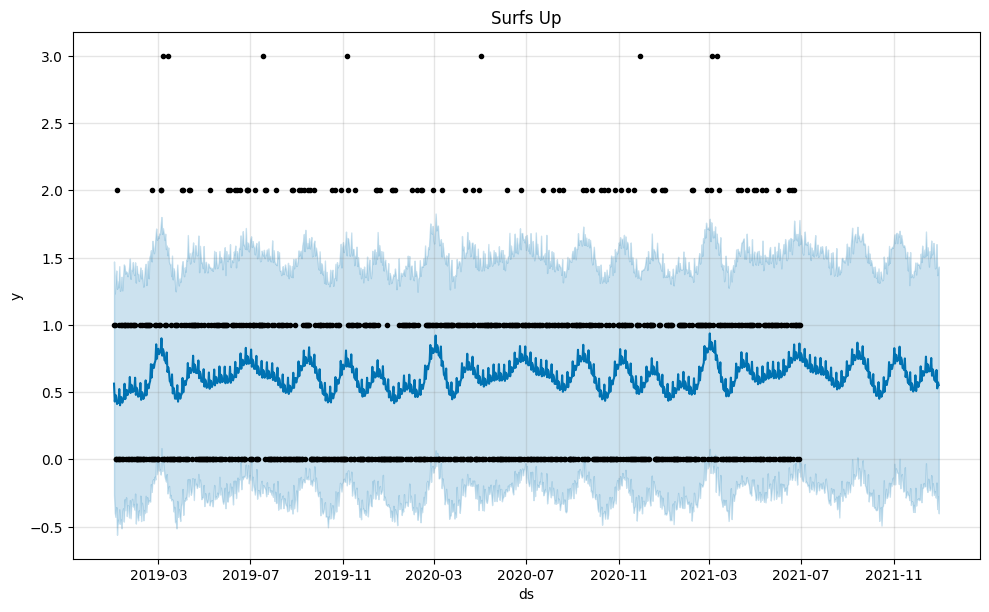
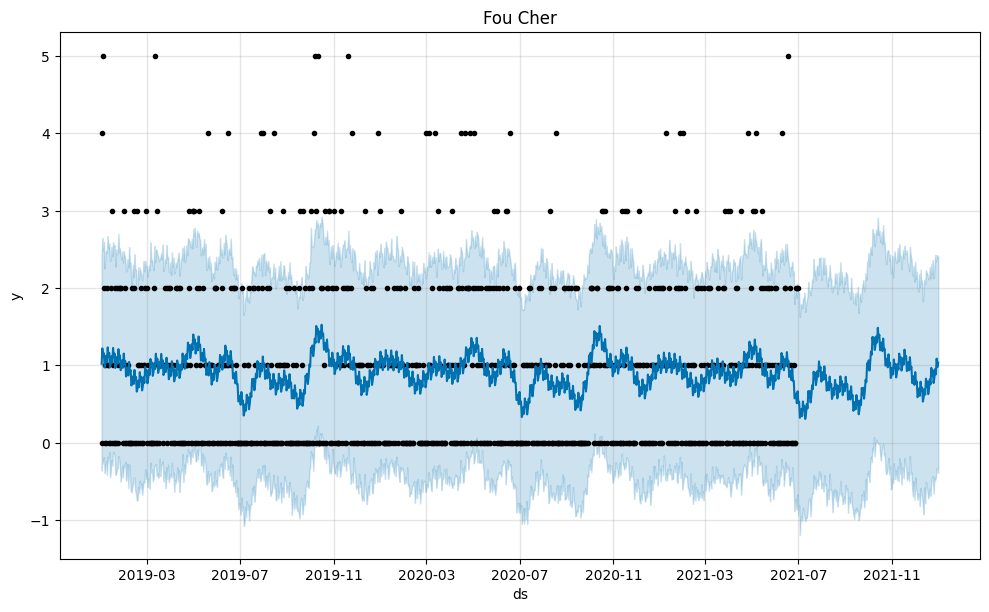
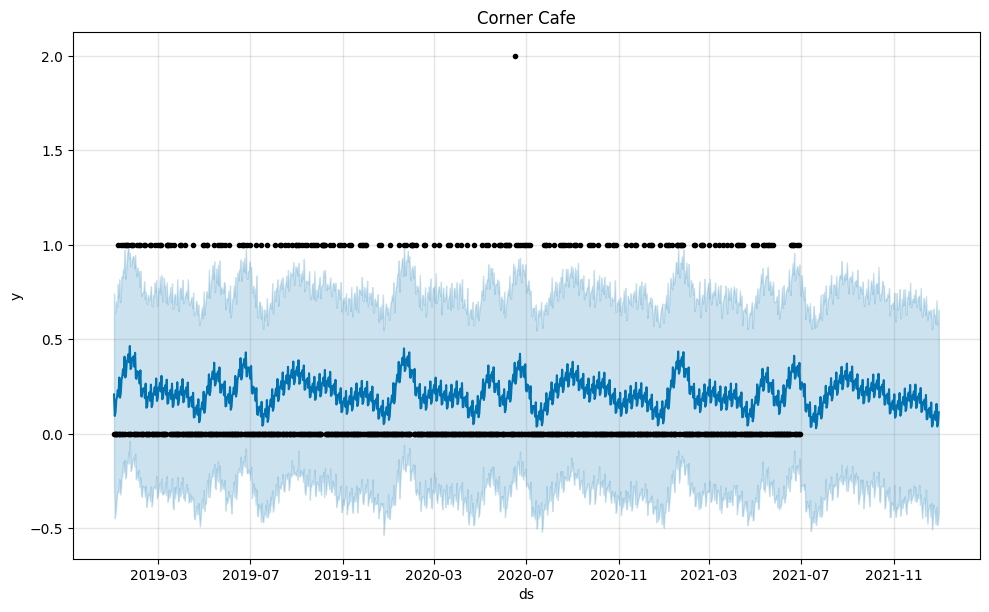
**SARIMA Model Diagnostics**

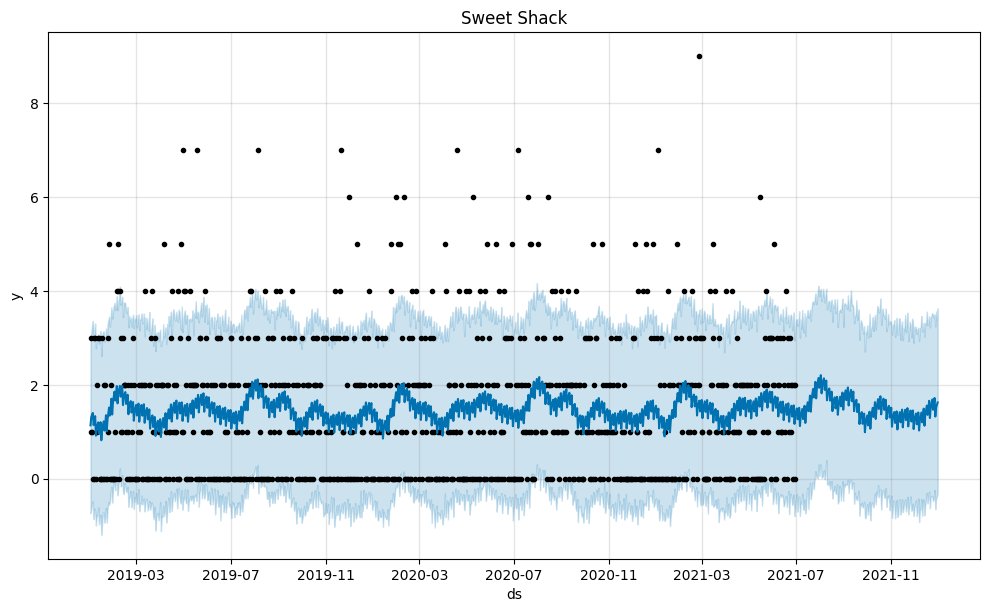


**Prediction using Facebook’s Prophet**

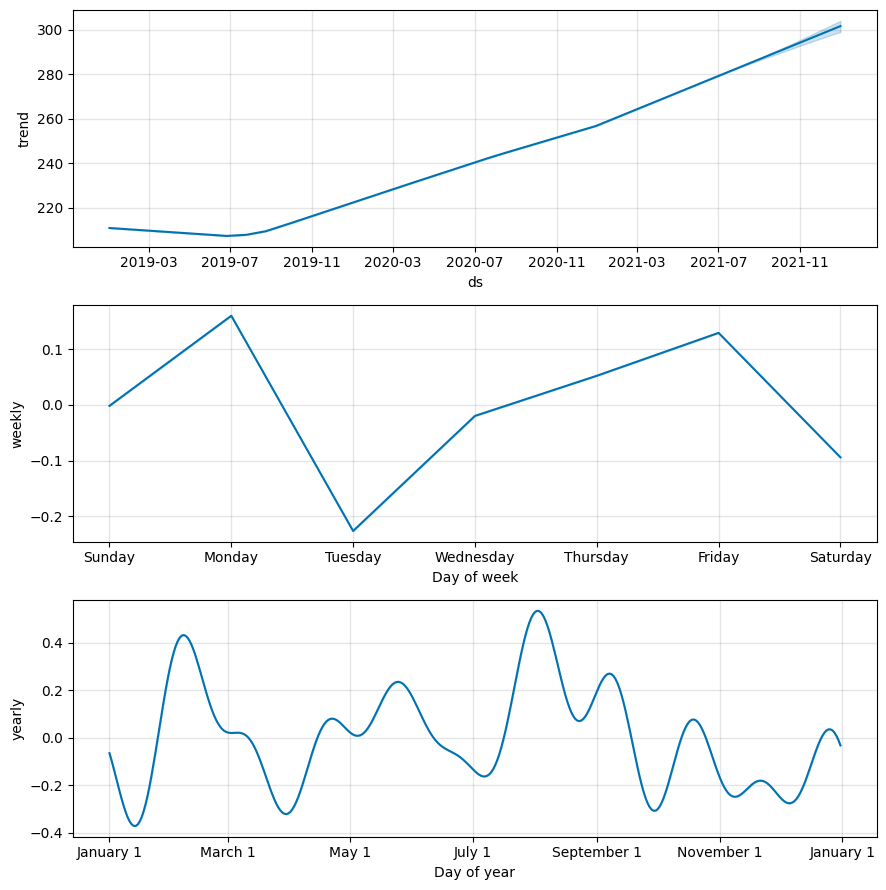








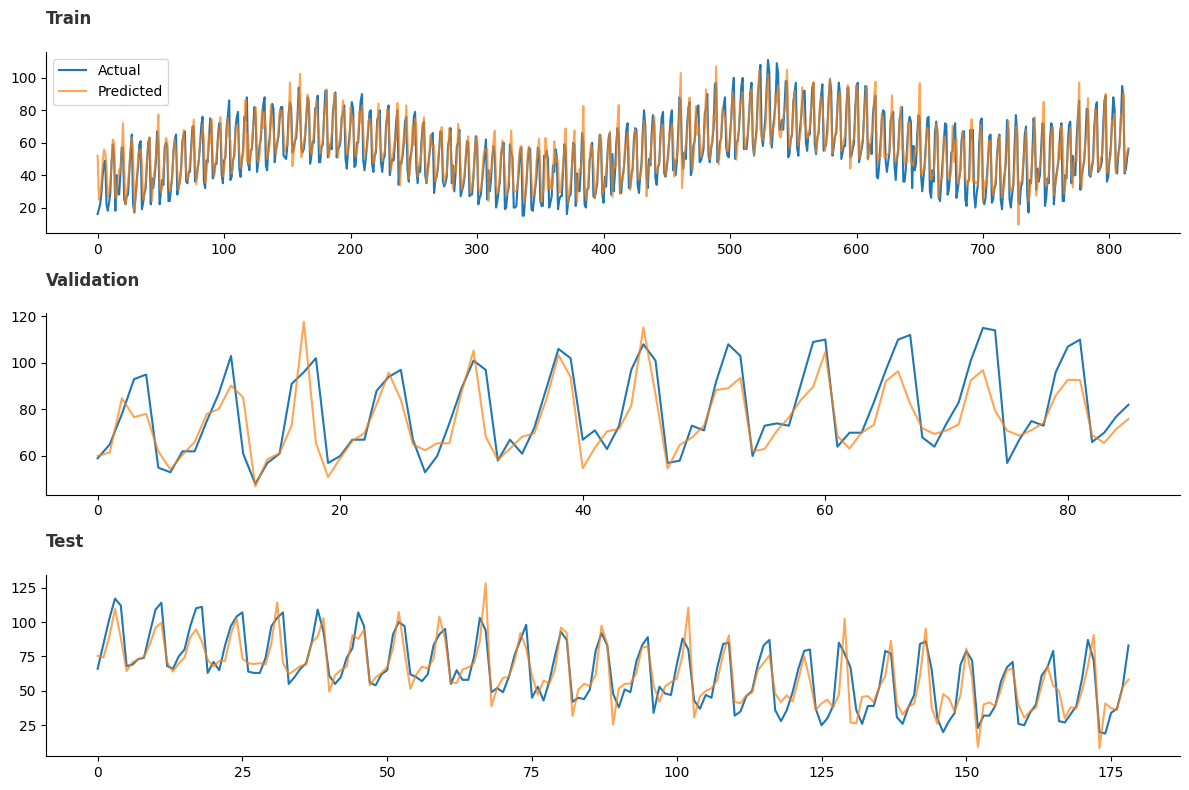
**Store 1 trends**



**Visualize sales volume and forecast for next year**



**Visualizing the predictions**



**Visualizing the forecast for next 3 months**

