

Automated Data Analysis Report

The dataset under review contains 421,570 records, each with five attributes: Store, Dept, Date, Weekly_Sales, and IsHoliday.

The 'Store' and 'Dept' columns are integers, 'Date' is an object, 'Weekly_Sales' is a float, and 'IsHoliday' is a boolean.

The 'Store' column has values ranging from 1 to 45, with a mean value of 22.20 and a standard deviation of 12.79. The 'Dept' column values range from 1 to 99, with an average of 44.26 and a standard deviation of 30.49.

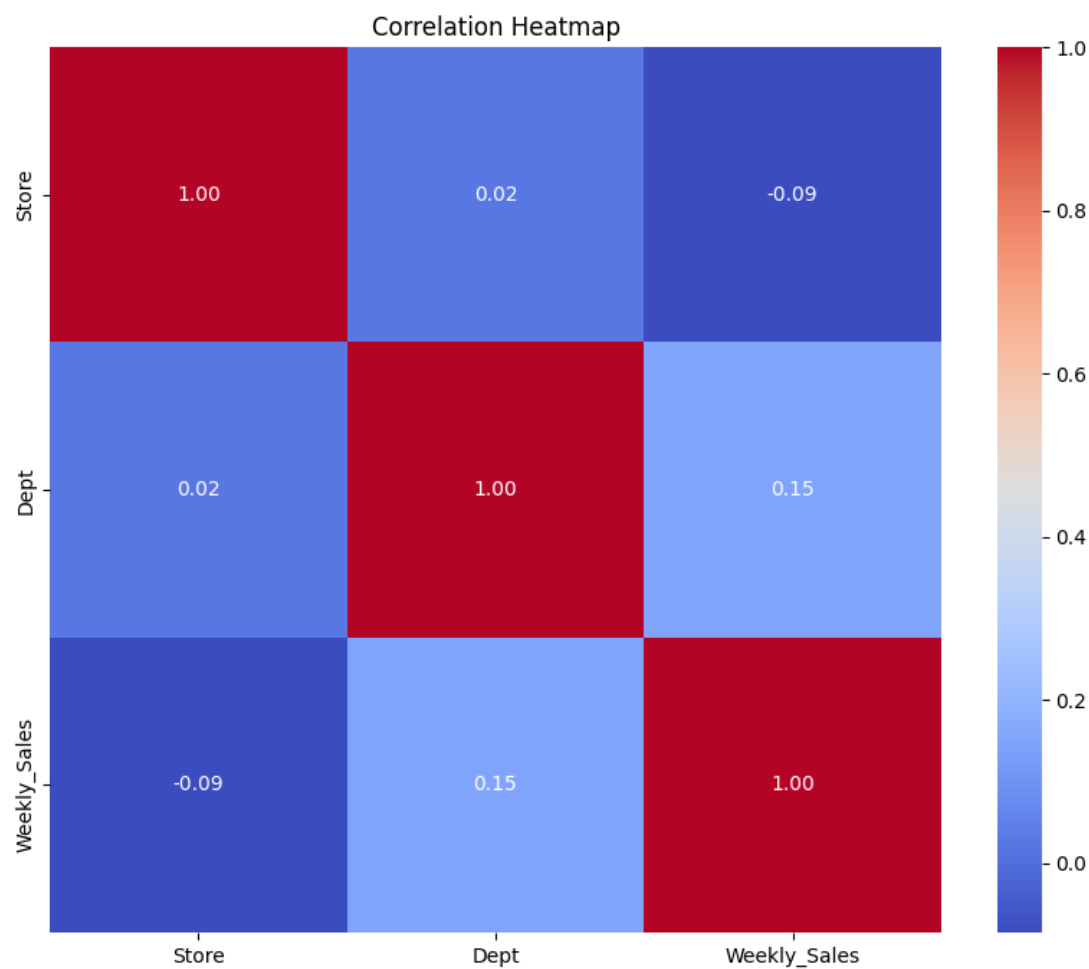
The 'Weekly_Sales' column, which represents the weekly sales in dollars, has a mean value of 15,981.26 and a standard deviation of 22,711.18. It's worth noting that this column contains 1,285 negative values, which could represent returns or losses. The maximum weekly sales recorded is 693,099.36 dollars.

The 'IsHoliday' column, which indicates whether the week is a holiday week, is predominantly False, with only a small fraction of the records indicating a holiday week.

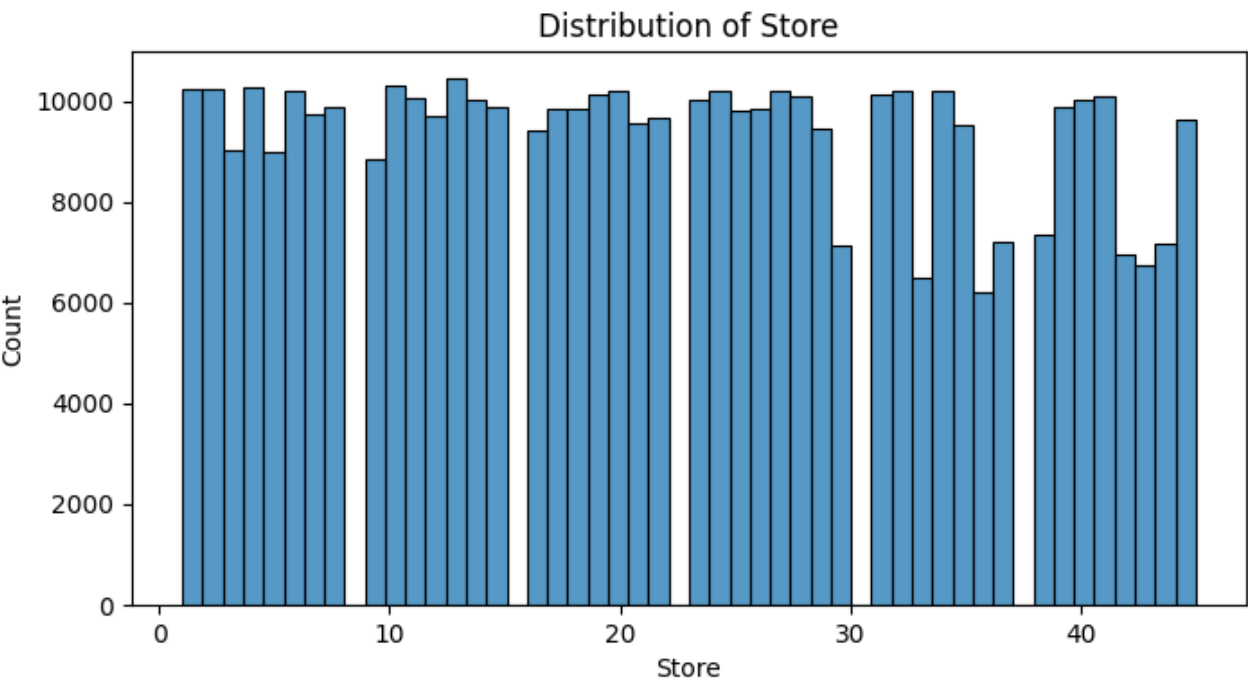
The 'Date' column, which represents the week of the sales record, has 143 unique values, indicating that the dataset spans 143 weeks.

The top 5 highest summed values for 'Store' and 'Dept' are 45 and 99 respectively, while for 'Weekly_Sales', the top 5 highest values range from 474,330.1 to 693,099.36 dollars.

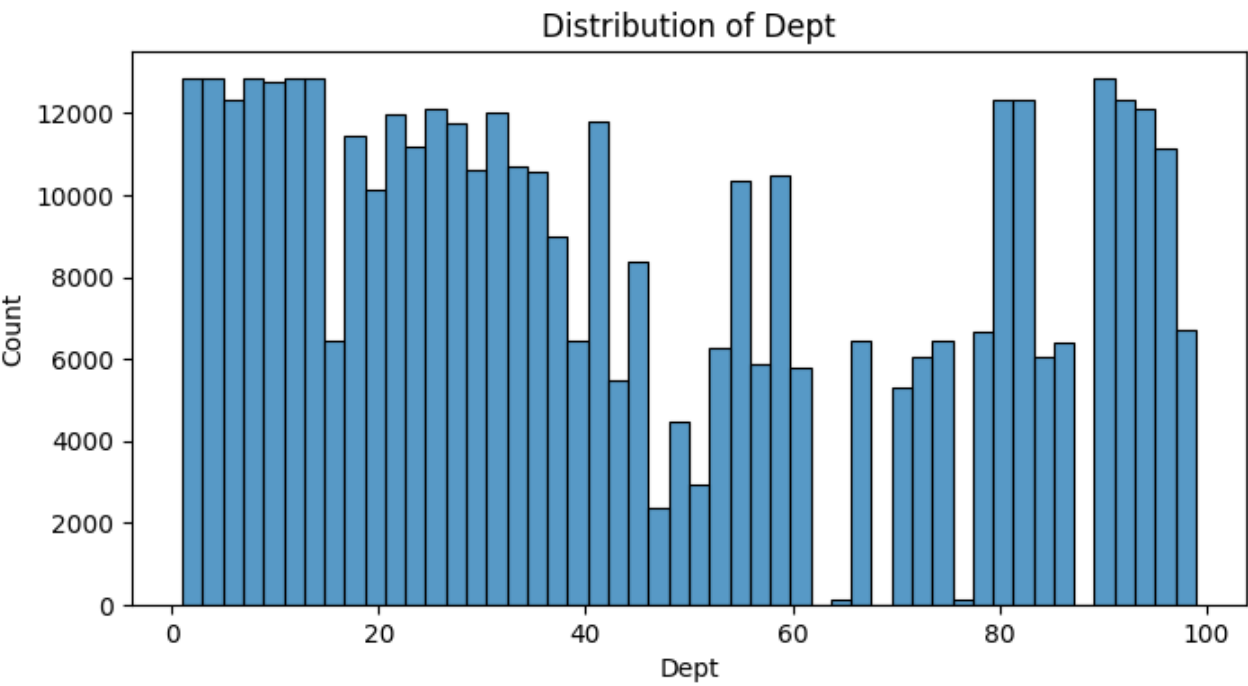
correlation_heatmap.png



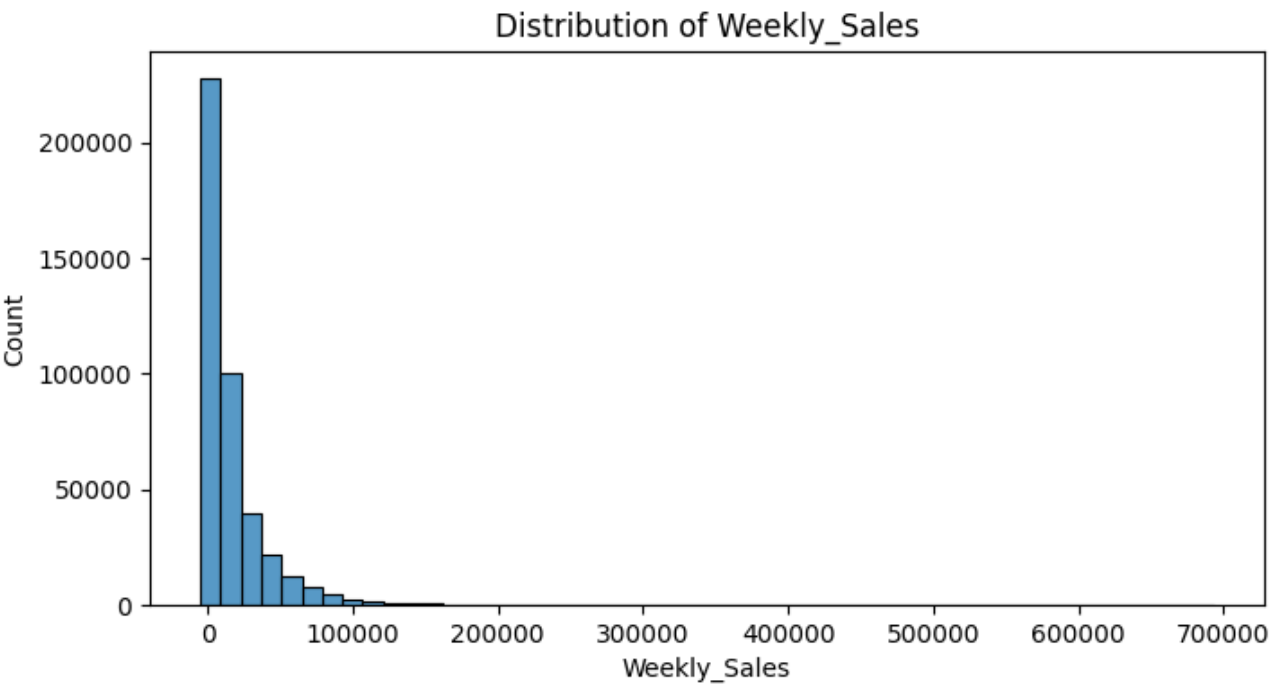
hist_Store.png



hist_Dept.png



hist_Weekly_Sales.png



countplot_Date.png

