Introduction

In this report, we will perform exploratory data analysis (EDA) on the Walmart Sales Dataset of 45 stores. The dataset contains information about weekly sales data for different departments across multiple stores. Our goal is to explore and explain any relations within the dataset using statistical analysis and data visualization techniques.

A screenshot of a computer

Description automatically generated1. Dataset Overview

2. Exploratory Data Analysis

A graph with blue bars

Description automatically generated2.1 Histogram of Weekly Sales

A screenshot of a computer screen

Description automatically generated2.ploting of Weekly Sales Over Time

A diagram of a sales data

Description automatically generated with medium confidenceA screenshot of a computer code

Description automatically generated2.3 Heatmap of Correlation Matrix

Conclusion

In this report, we conducted exploratory data analysis on the Walmart Sales Dataset of 45 stores. We visualized the distribution of weekly sales, analyzed the trend of weekly sales over time, and examined the correlation between different features using a heatmap. These analyses provide valuable insights into the dataset, which can be further explored in future studies.

This report serves as a foundation for understanding the Walmart sales data and identifying potential patterns or relationships within the dataset.

This report provides a comprehensive analysis of the Walmart Sales Dataset of 45 stores. It includes visualizations such as histograms, line graphs, and heatmaps to explore the relationships within the data. The code snippets demonstrate the process of loading the dataset, performing statistical analysis, and creating visualizations using Python libraries such as Pandas, Matplotlib, and Seaborn.