RETAIL PERFORMANCE REVIEW 2022

A Data-Driven Analysis & Insights Report

Introduction

Provides an overview of the report's purpose and objectives.

Methodology

Describes the process of data collection, ETL operations, and how the data was analyzed and visualized.

3

Analysis & Insights

Examines financial performance and category sales alongside customer demographics and spending behaviors.

4

Recommendations

Provides recommendations based on sales and customer data to drive growth, improve performance, and optimize strategies.

Introduction

As we enter 2023, this report serves as a comprehensive wrap-up of the Mall of Istanbul's retail performance for the year 2022. It offers an in-depth review of financial metrics and customer dynamics, providing crucial insights into the mall's performance over the past year.

This analysis is specifically designed to inform strategic decision-making and guide planning efforts for future growth, using the lessons learned from 2022 to shape a successful path forward in 2023.

Methodology

Data Collection:

 Data was sourced from Kaggle as a CSV file, which included various retail performance metrics and customer information for Mall of Istanbul.

Data Processing:

ETL Process: The data underwent an Extract, Transform, Load (ETL) process using Python. This included importing, cleaning, and transforming the data to filter, remove inconsistencies and standardize formats before saving it into a new CSV file.

Data Analysis:

 Dashboards: Interactive dashboards were created using the cleaned data. These dashboards focused on two main areas: sales and financial performance, and customer insights.

Visualization Tools:

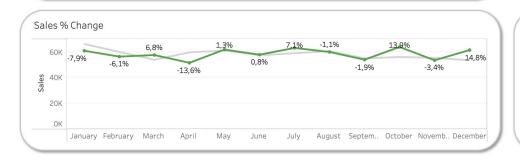
• **Tableau**: Used for building and visualizing dashboards to gain insights into the mall's financial performance and customer behavior.

Analysis & Insights

SALES & FINANCIAL DASHBOARD









Financial Performance Overview:

o Total Revenue: \$702,000

ATV: \$76.30AIT: 3.02

Monthly Revenue Performance:

- Above Target: March, May, June, July, October, and December
- Below target: January, February, April, August, September, and November.

Sales by Category:

- Top Categories: Clothing, Shoes, and Technology.
- Bottom Categories: Souvenirs, Food & Beverage, and Books.

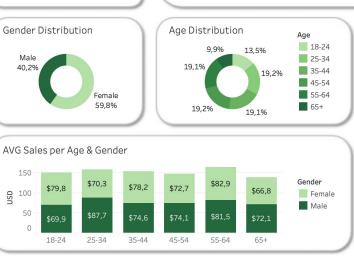
Payment Methods Distribution:

- **Cash**: 44.4%
- Credit Card: 35.5%
- o Debit Card: 20%

Analysis & Insights

CUSTOMER INSIGHTS DASHBOARD





	<u>Female</u>	Male
Clothing	\$180 200 -8,9% ы	\$132 443 10,8% 7
Shoes	\$111 075 4,5% 7	\$79 889 6,9% ↗
Technology	\$102 155 9,4% 7	\$ 59 661 -16,3% ⊌
Cosmetics	\$11 938 14,3% 7	\$ 7 396 -2,2% ๖
Toys	\$6 566 0,2% ↗	\$4 225 -2,5% ⊌
Books	\$1 499 17,0% 7	\$1 097 20,3% 7
Food & Beverage	\$1 415 4,3% 7	\$ 880 ∠ 13,8%-
Souvenir	\$1 187 24,5% 7	\$ 686 0,2% 7

Category Q	uantity per	Gender
Clothing	<u>Female</u> 5 459 -8,2% ⋈	<u>Male</u> 3 966 8,8% ⊅
Cosmetics	2 649 12,2% 7	1 681 -0,4% ы
Food & Beverage	2 477 5,7% ⊅	1 518 -13,8% ⊔
Shoes	1655 2,4% ↗	1 207 6,6% 7
Toys	1698 3,5% ↗	1 085 -1,0% ⊔
Books	909 18,8% 7	647 19,2% 7
Technology	875 8,8% ⊅	532 -12,4% ⊌
Souvenir	903 20,1% 7	522 1,4% 7

Customer Overview:

- o Total Customers: 9202
- Average Age: 43.5 years
- Customer Percentage Change: Stable with minor declines.

Demographic Distribution:

- o **Gender Distribution**: 40.2% male vs. 59.8% female.
- o **Age Distribution**: Age groups between 25-64 (19.1-19.2%), 18-24 (13.5%), and 65+ (9.9%)

Spending Behavior:

- o Average Sales by Age and Gender: The highest average spend is in the 55-64 age bracket (\$164.40). Generally, females spend more than males.
- Category Sales by Gender: Top categories (Clothing, Shoes, Technology)

Category Quantity by Gender:

Top categories (Clothing, Cosmetics, Food & Beverage).

Recommendations

- **Enhance Female-Centric Offerings**: Female shoppers represent a significant portion of the customer base and tend to spend more. Expanding relevant stores and products, coupled with loyalty programs, can drive higher traffic and sales.
- Engage Younger Audiences: Youth are a growing demographic with potential for increased spending, especially in technology.
 Targeted events and promotions can boost their engagement and spending, addressing underperforming categories.
- Target High-Spending Older Adults: The 55-64 age group has the highest average spend. Offering premium and health-focused products can tap into this lucrative segment and drive higher revenue.
- Address Monthly Sales Fluctuations: Addressing sales dips in slower months with targeted promotions and events can help smooth out revenue fluctuations, maintaining steady sales throughout the year.
- Promote Cashless Payments: Encouraging cashless transactions can streamline operations, enhance customer experience, and provide better data for understanding shopping behavior and improving strategies.