🔒 Disclaimer

This dataset and accompanying report are fictional and created solely for educational and analytical demonstration purposes. While inspired by operational scenarios typical of the Canadian grocery retail environment — including structures observed in Loblaws operations, it is not based on any proprietary or confidential Loblaws data. This project is not affiliated with, endorsed by, or representing Loblaw Companies Limited in any capacity. The use of any brand names or logos is strictly for illustrative purposes.

The insights, visualizations, and recommendations derived from this dataset are meant to showcase analytical capabilities and do not reflect actual performance or operations of Loblaws and its subsidaries in any capacity.

Objective

This report aims to simulate and analyze real-life grocery retail trends at Loblaws, focusing on consumer purchasing patterns, product returns, sales performance, and inventory management insights.

The primary objective is to understand consumer behavior regarding product returns, including identifying the key reasons behind returns, the most commonly returned products, and trends in return behavior.

Additionally, the project emphasizes the analysis of sales data, inventory levels, cashier performance, membership pricing, and other related factors to provide a comprehensive view of operational efficiency and customer interaction.

I have created this dataset and its analysis for educational and analytical purposes only.

Overview

Last Refreshed: April 15, 2025

$389.53
Average Daily Sales

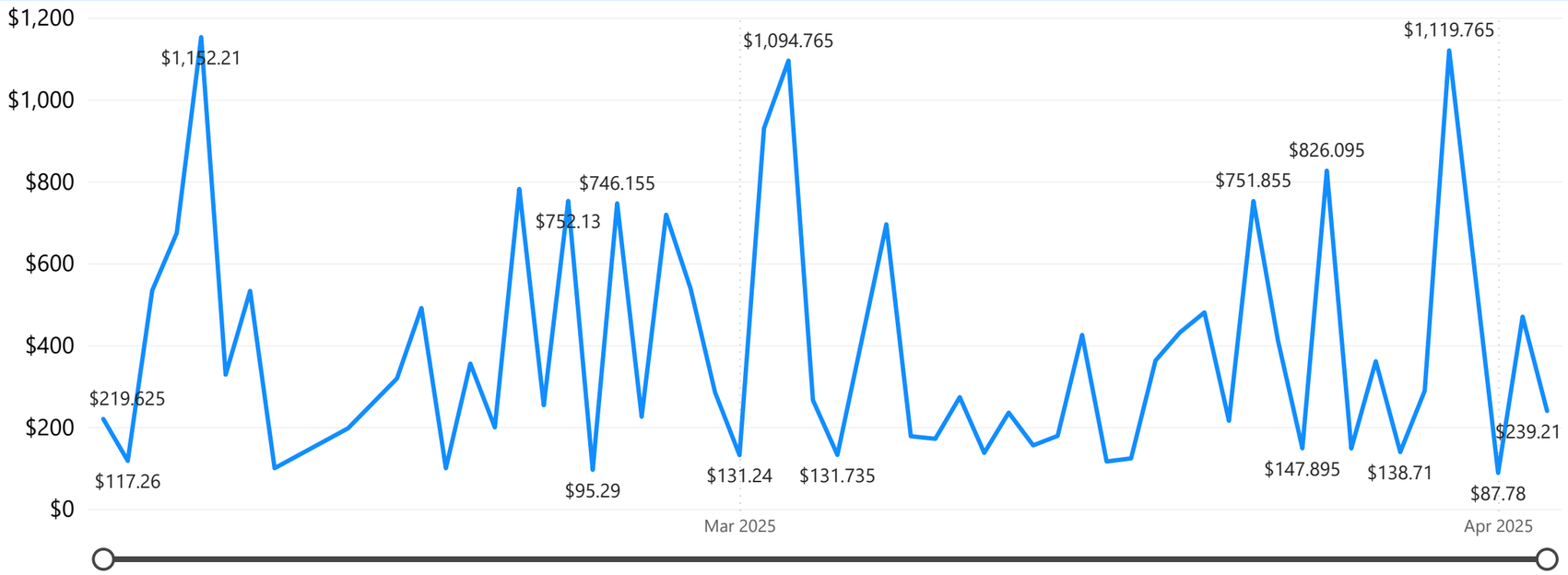
86
Average Daily Quantity Sold

4K
Average Daily Points Earned

Month

- [ ] Select all
- [ ] February
- [ ] March
- [ ] April

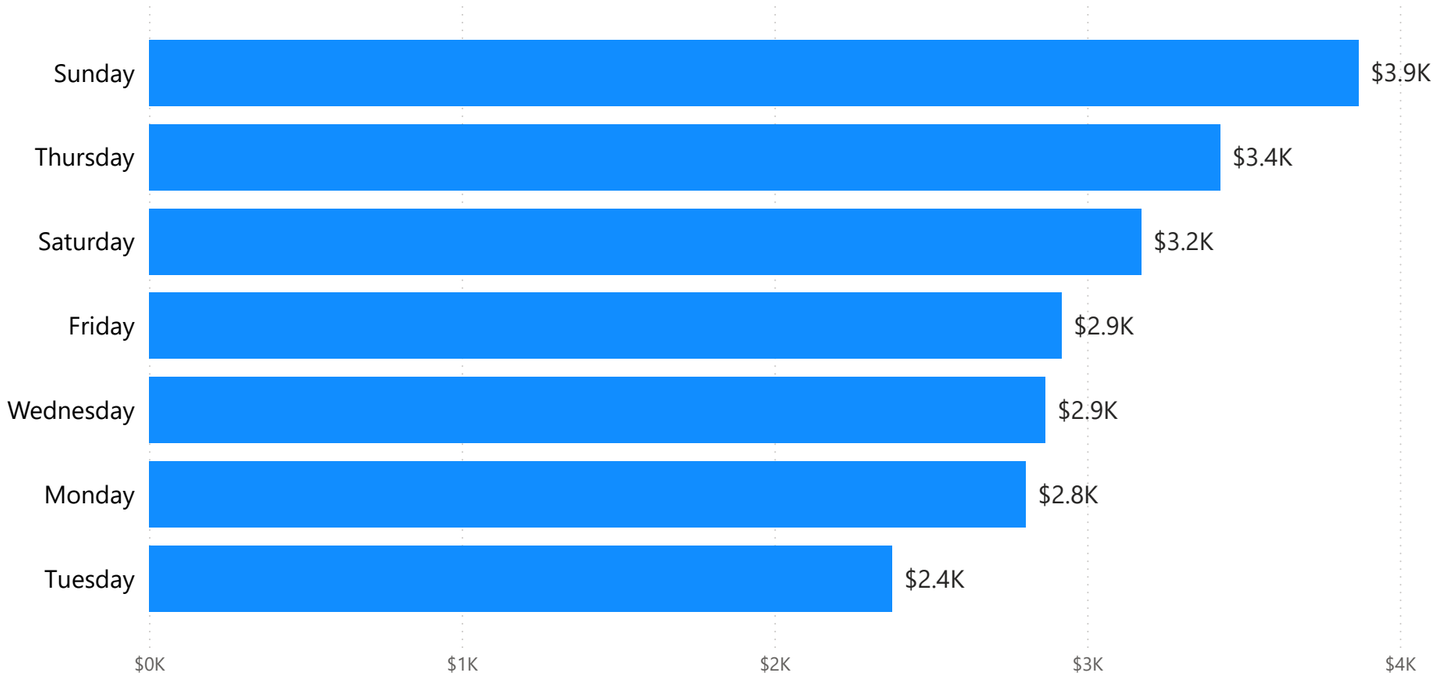
Sales



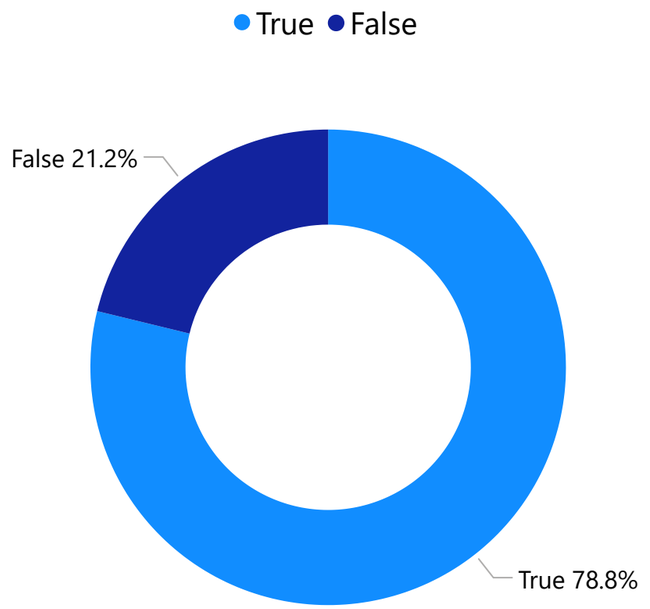
Top 10 Most Sold Items

Product Name	Sales	Quantity Sold
PC Maple Butter	$620.31	69
PC Vanilla Extract	$589.41	59
PC Dairy Frozen Veggie Burgers	$515.88	84
PC Dairy Frozen Fruit Mix	$503.28	72
PC Organic Olive Oil	$489.51	49
PC Dairy Frozen Edamame	$480.26	74
PC Walnuts	$465.01	49
PC Sesame Oil	$461.23	77
PC Maple Syrup	$447.44	56
PC Olive Tapenade	$417.24	76
Total	**$4,989.57**	**665**

Sales by Weekdays



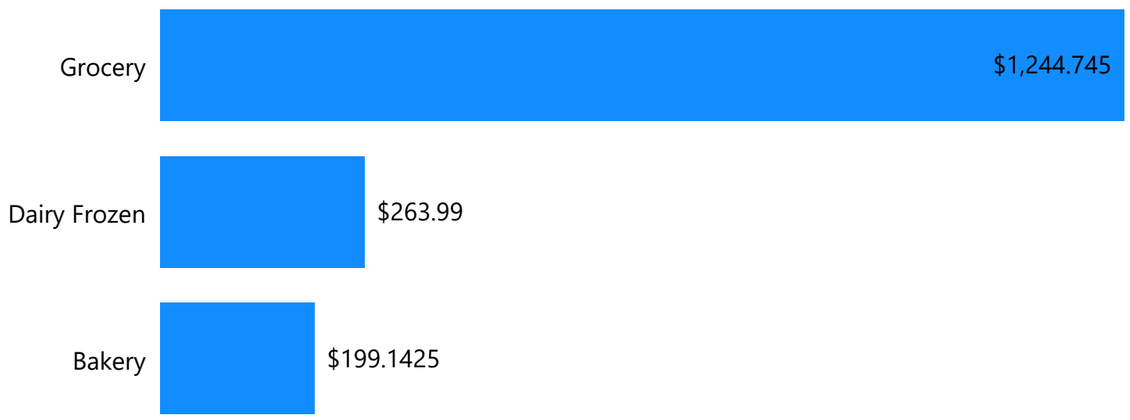
Optimum Scanned



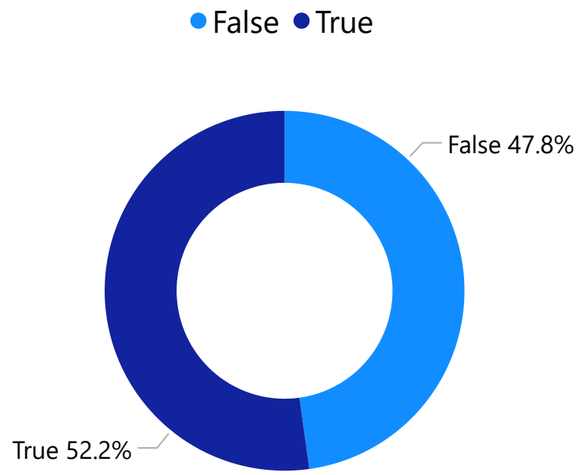
Refunds

Last Refreshed : April 15, 2025

Refund by Category



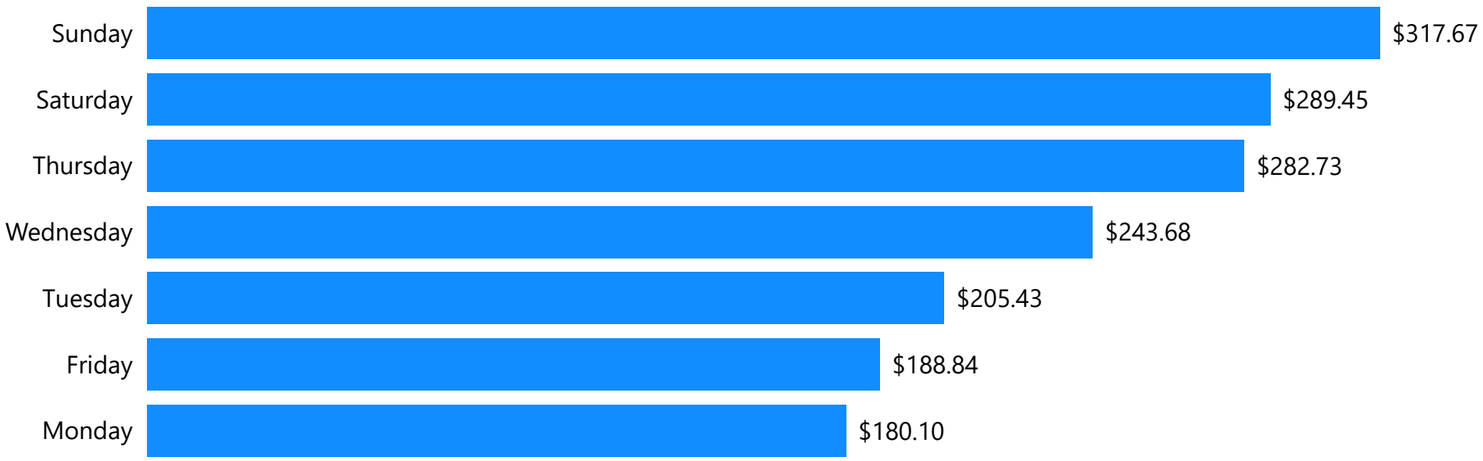
Optimum Card Scanned for Returns



Month

- Select all
- February
- March
- April

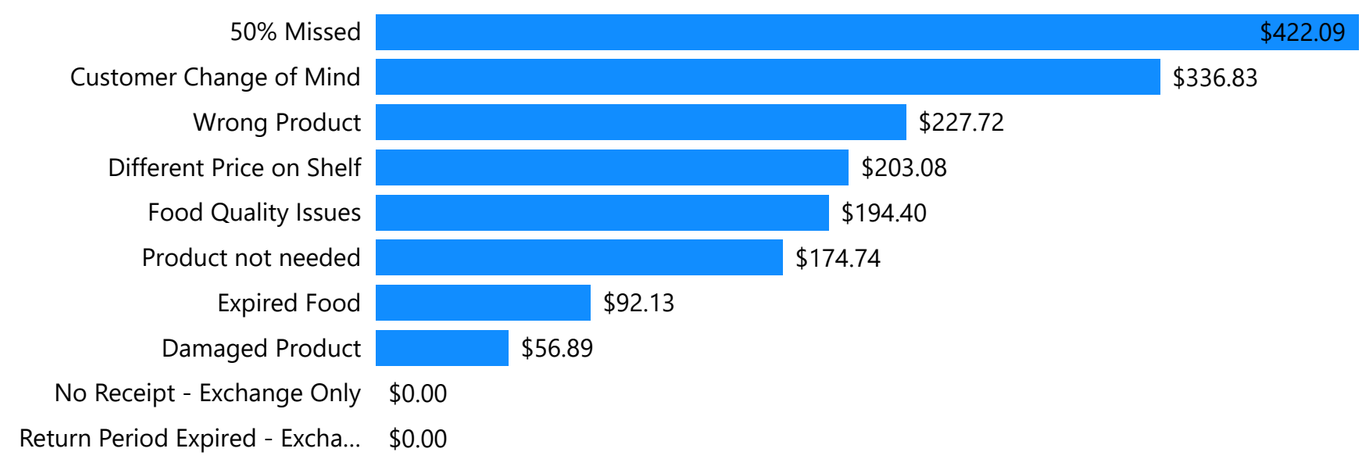
Refund Amount by Weekday



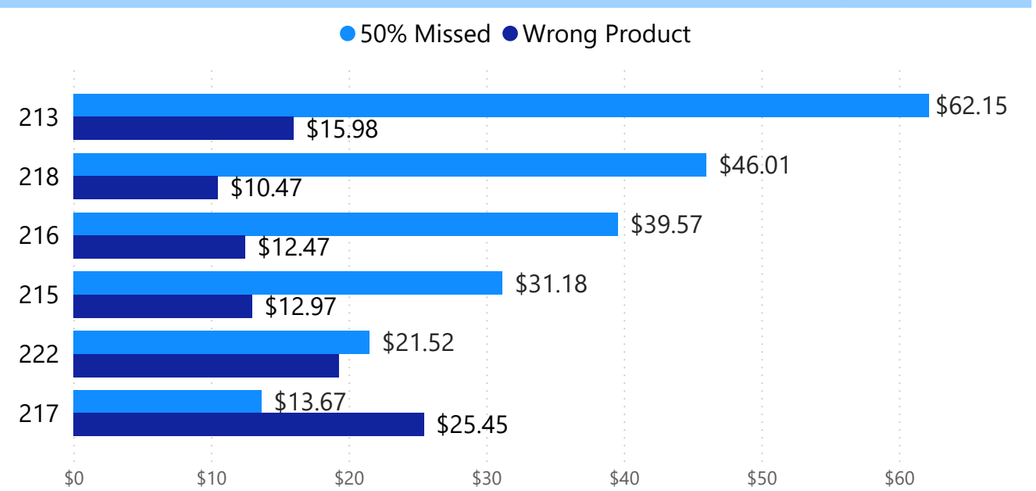
Most Returned Products

Most Returned Product	Amount	Quantity
PC Pecans	$82.425	13
PC Organic Olive Oil	$64.935	9
PC Dairy Frozen Veggie Burgers	$59.415	29
PC Maple Butter	$58.435	13
PC Walnuts	$56.94	6
PC Sesame Oil	$47.92	7
PC Cashews	$44.95	13
PC Olive Tapenade	$43.92	19
PC Guacamole	$38.43	9
PC Almonds	$35.955	7
Total	**$569.28**	**126**

Refund Amount by Return Reason



Cashier Identified for Additional Training



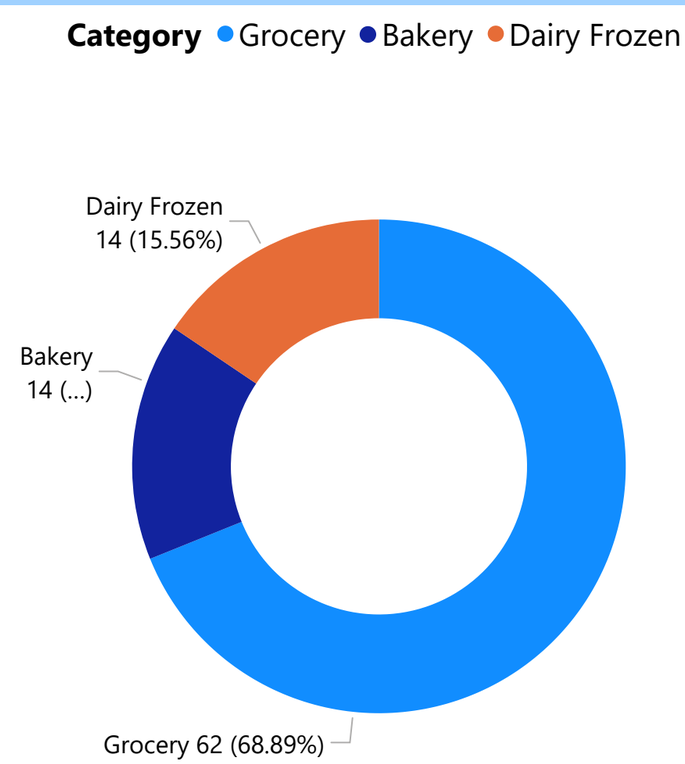
Inventory

Last Refreshed: April 15, 2025

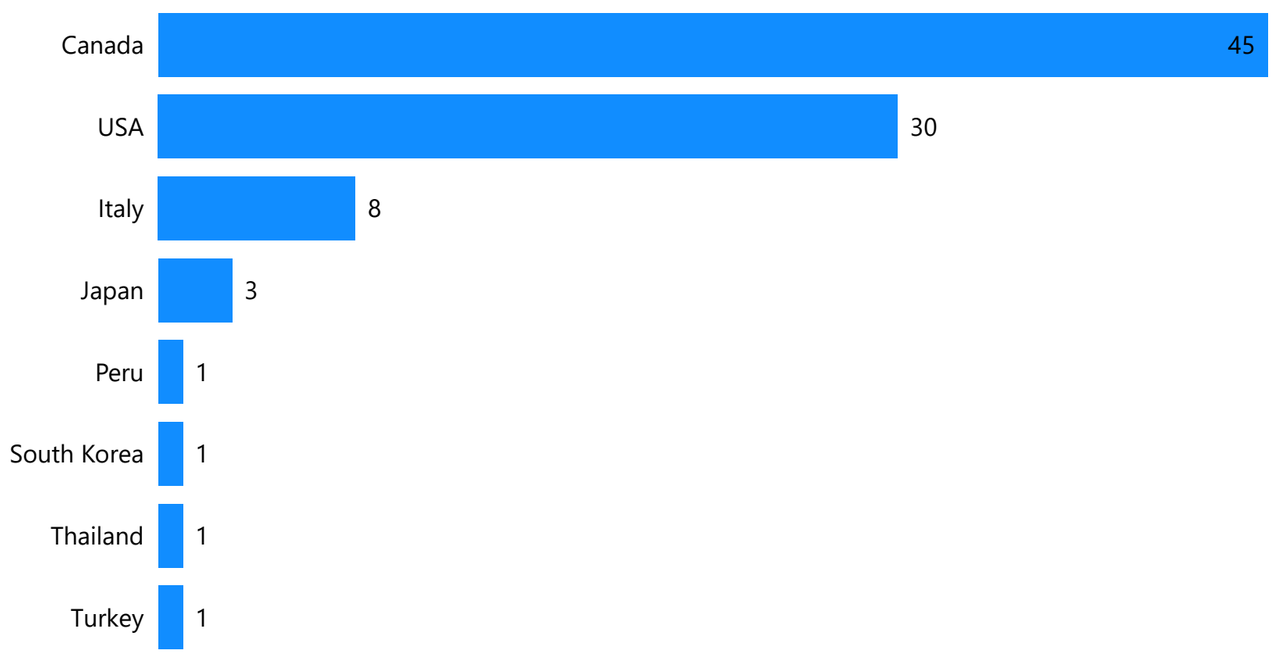
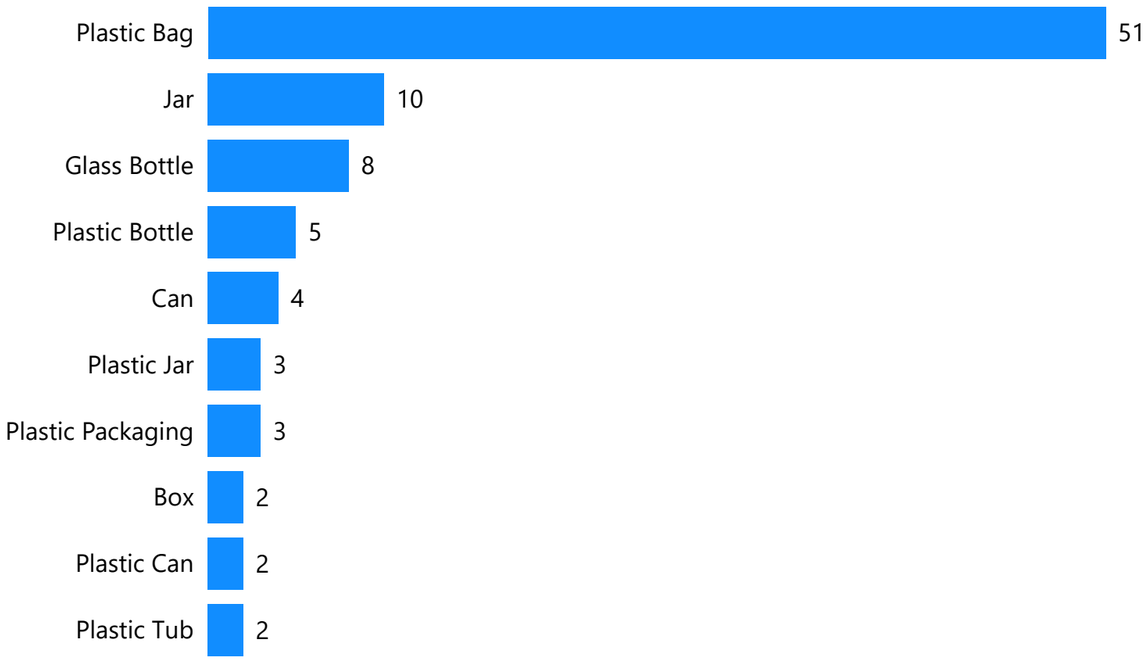
Product Availability

SKU	Product_Name	Category	Week Number	Quantity Sold	Current Available Stock	Is_Perishable
123548	PC Pasta Sauce	Grocery	14	6	3	No
123562	PC Nutella	Grocery	14	7	3	No
123565	PC Mayonnaise	Grocery	14	1	3	No
123576	PC Brown Bread	Bakery	14	8	3	Yes
123549	PC Marinara Sauce	Grocery	14	4	4	No
123554	PC Baking Powder	Grocery	14	8	4	No
123567	PC Ketchup	Grocery	14	1	4	No
123568	PC BBQ Sauce	Grocery	14	7	4	No
123571	PC Pesto Sauce	Grocery	14	3	4	No
123579	PC Gluten-Free Bread	Bakery	14	11	4	Yes
123597	PC Dairy Frozen Mushrooms	Dairy Frozen	14	1	4	Yes
123544	PC Couscous	Grocery	14	12	5	No
123578	PC Whole Wheat Bread	Bakery	14	2	5	Yes
123580	PC Multigrain Bread	Bakery	14	3	5	Yes
123582	PC Tortilla Wraps	Bakery	14	5	5	Yes
123584	PC Granola Bars (Chocolate, Peanut Butter)	Grocery	14	1	5	No
123590	PC Dairy Frozen Veggie Burgers	Dairy Frozen	14	1	5	Yes
123599	PC Dairy Frozen Fruit Mix	Dairy Frozen	14	2	5	Yes
123530	PC Peanut Butter	Grocery	14	11	6	No
123540	PC Pumpkin Seeds	Grocery	14	4	6	No
Total				**198**	**515**	

Available Products by Category



Product by Country of Origin



Count of SKU by Packaging Type