

# Coffee Shop Sales Analysis

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July | 2024

# Objective

The objective of this project is to perform a detailed analysis and create a dashboard of retail sales of a coffee shop to gain actionable insights so that stakeholders can take required actions based on generated insights.

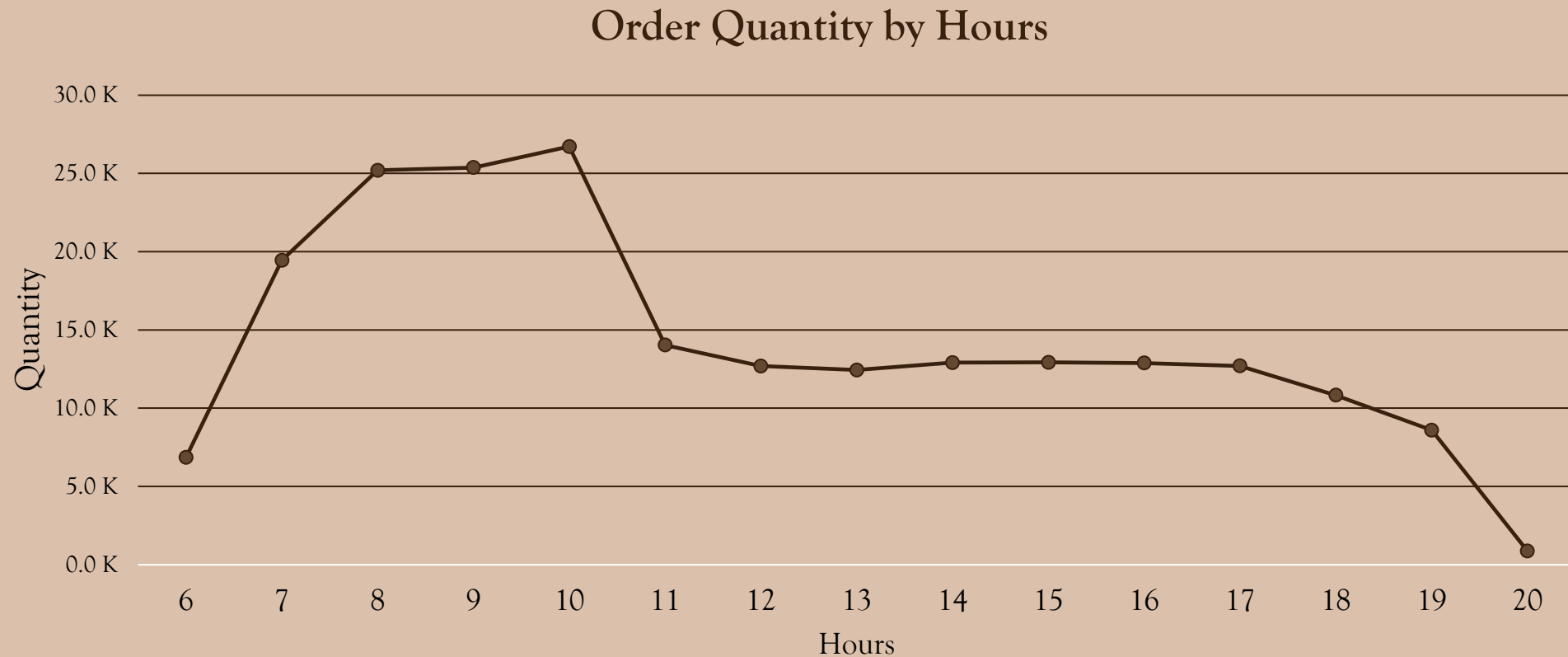
Sample Size Rows: 1,49,116  
Sample Size Columns: 18

Detailed Insights



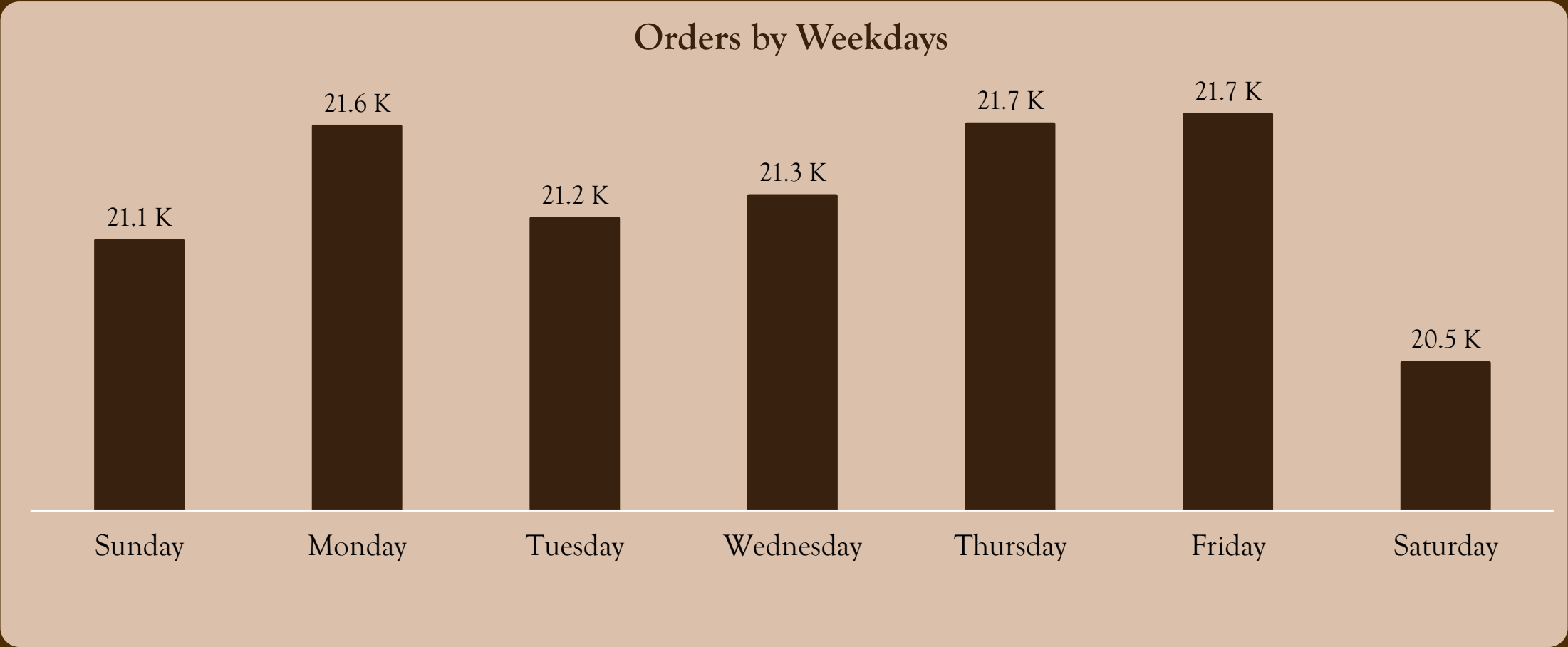
Q1. How do sales vary by hour of the day and are there any peak times for sales activity?

Sales activity peaks between 9 AM and 10 AM with 26,713 orders at 10 AM. There is also a significant amount of sales during early morning hours around 7 AM to 8 AM and early afternoon hours around 12 PM to 1 PM. The lowest sales activity is observed in the late evening, particularly around 8 PM.



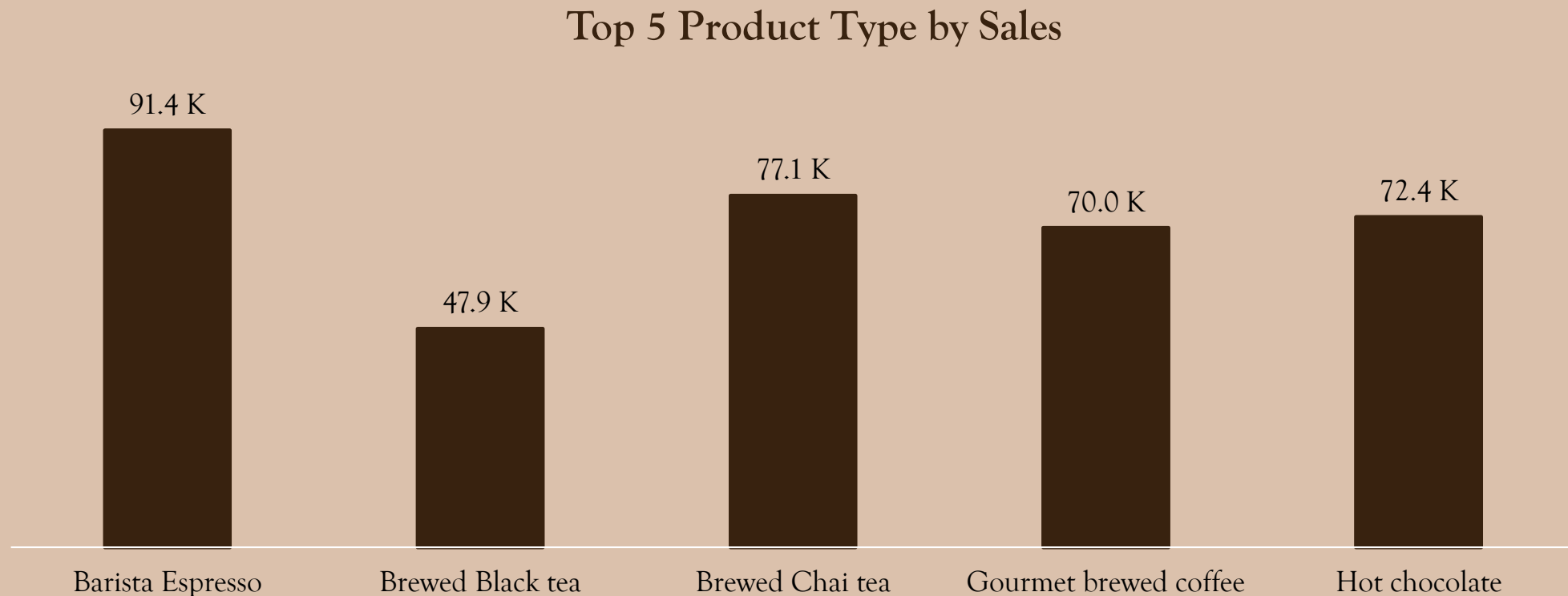
Q2. How do orders vary by day of the week?

Orders are relatively consistent throughout the week, with a slight peak on Fridays (21,701 orders) and a minor drop on Sundays (21,096 orders). The sales are fairly even from Monday to Thursday, ranging from 21,202 to 21,654 orders. The lowest sales are on Saturday (20,510 orders).



Q3. Which products are the top 5 best-selling products in terms of revenue?

These figures highlight a strong preference for both coffee and tea products, with Barista Espresso being the highest revenue generator.

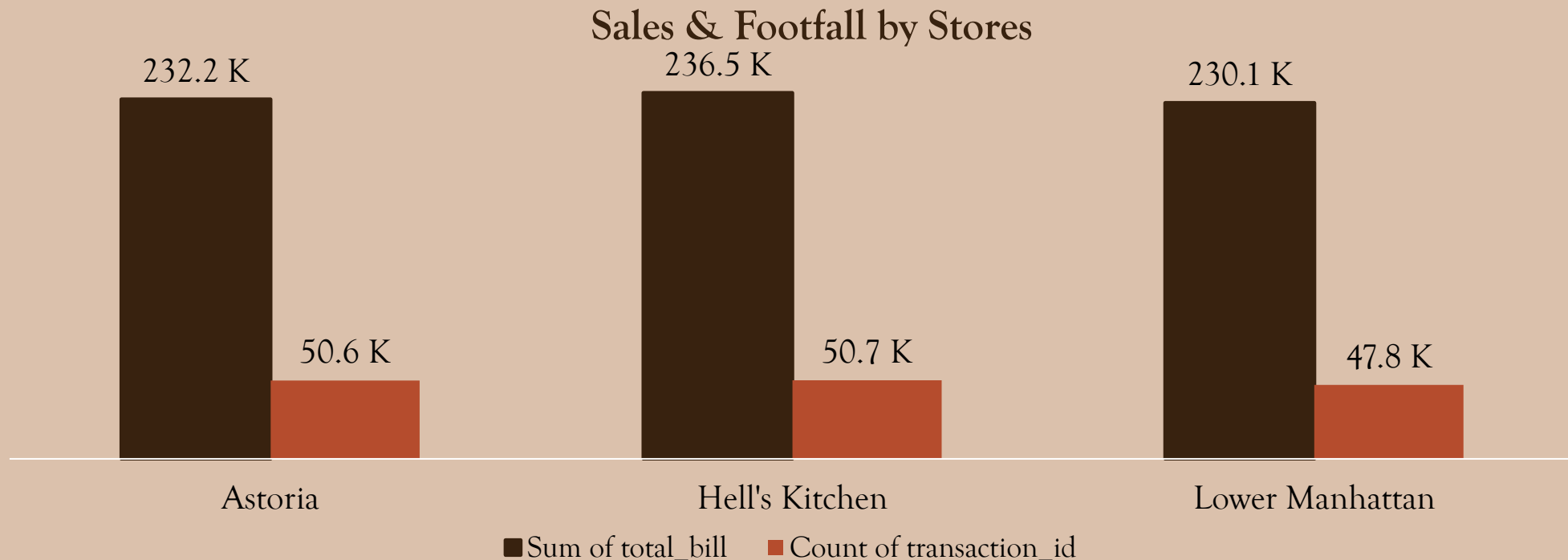


#### Q4. How do sales vary across different store locations?

The sales and footfall data for different store locations show that :

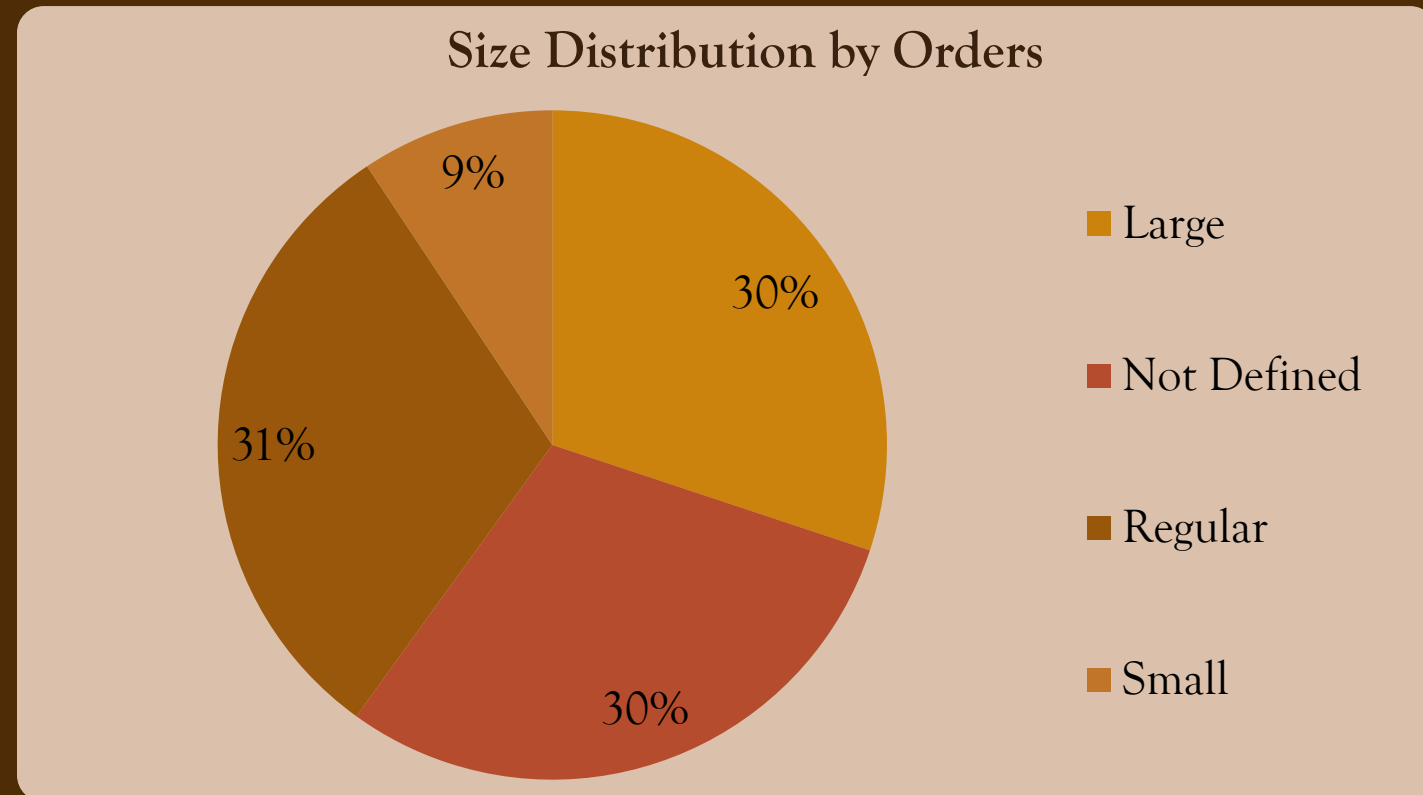
- Astoria:** Total sales amount to \$232,243.91 with 50,599 transactions.
- Hell's Kitchen:** Total sales amount to \$236,511.17 with 50,735 transactions.
- Lower Manhattan:** Total sales amount to \$230,057.25 with 47,782 transactions.

The Hell's Kitchen location has the highest sales and transaction count, followed closely by Astoria and Lower Manhattan.



### Q5. How do sales vary by product type?

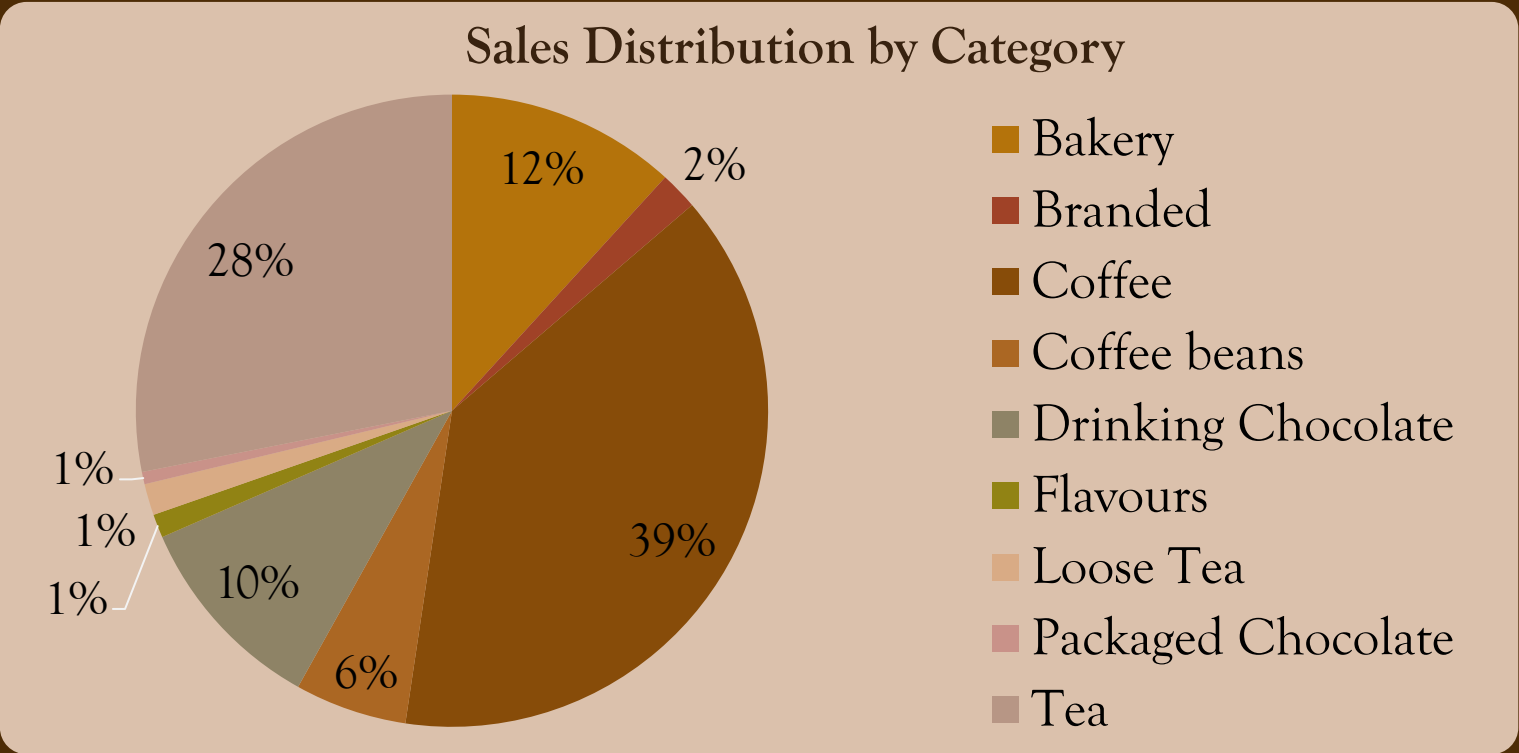
- **Popularity of Regular and Large Sizes:** The nearly equal high demand for regular and large-sized products highlights that most customers prefer standard or more substantial portions, making these sizes essential for maintaining high sales volumes.
- **Significance of Custom Orders:** The large number of "Not Defined" orders indicates a substantial demand for customization. This could be an opportunity for the coffee shop to further explore personalized options and perhaps introduce new predefined sizes to capture this segment more effectively.
- **Niche Market for Small Sizes:** While small size products are the least ordered, they serve a niche market segment. Offering small sizes can be particularly appealing for customers looking for a quick, light refreshment or for those who prefer smaller portions for health or dietary reasons.





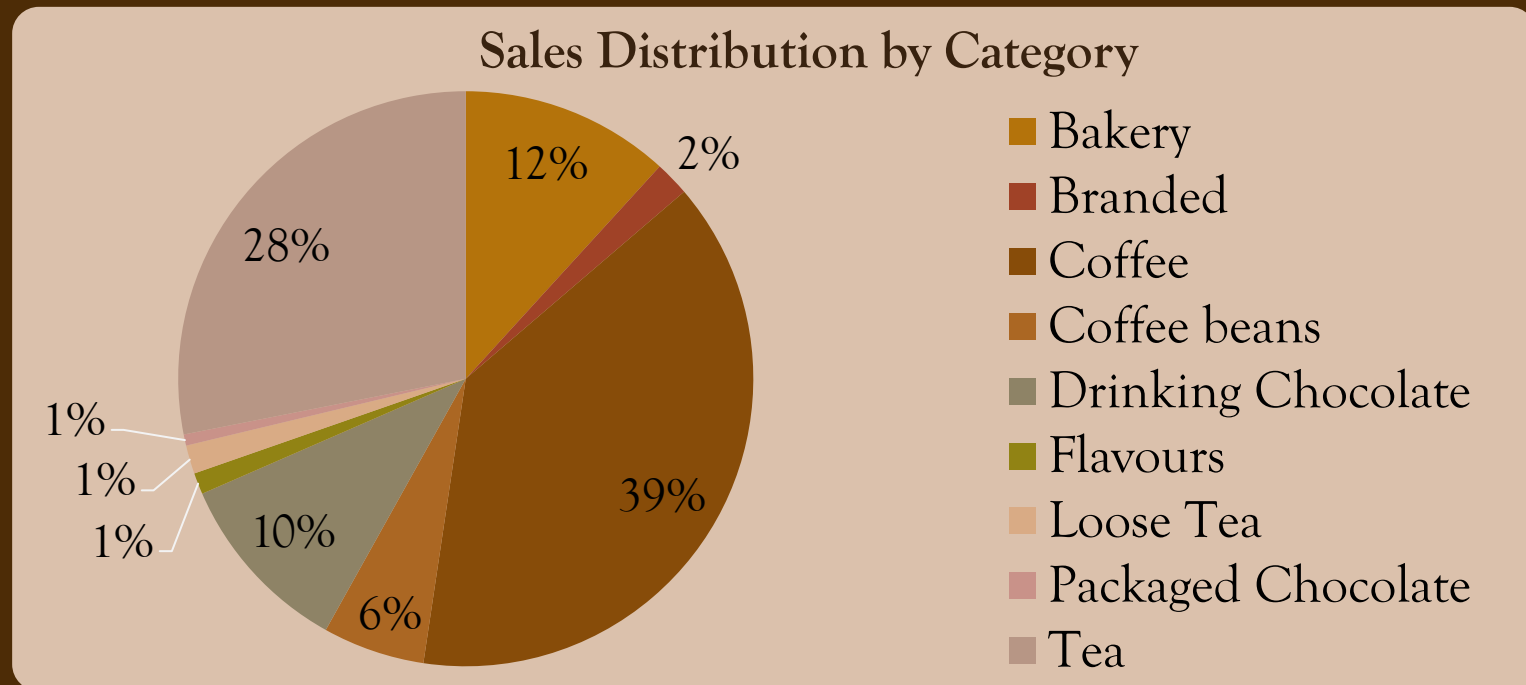
Q6. How do sales vary by product category?

- Coffee Beans: Leading the sales with a revenue of \$269,952.45, indicating a high demand for home-brewing among customers.
- Tea: Generating \$196,405.95, this category shows a strong preference for various tea products, making it the second-highest revenue generator.
- Bakery: With \$82,315.63 in sales, bakery items are popular, complementing the beverage offerings and enhancing the overall customer experience.



## Q6. How do sales vary by product category?

- Drinking Chocolate: Contributing \$40,085.25, this category reflects a steady demand for richer, sweeter beverage options.
- Flavours: Bringing in \$8,408.80, flavors (such as syrups and add-ons) are a smaller but significant category that enhances primary beverages.
- Branded Coffee: With \$13,607.00 in revenue, branded coffee products cater to a niche market, indicating an interest in specialty and premium options.
- Packaged Chocolate and Loose Tea: Generating \$11,213.60 and \$4,407.63 respectively, these categories show moderate to low interest but still contribute to the overall diverse product range.



# Thank You

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