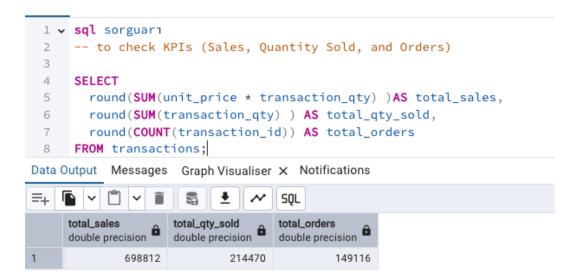
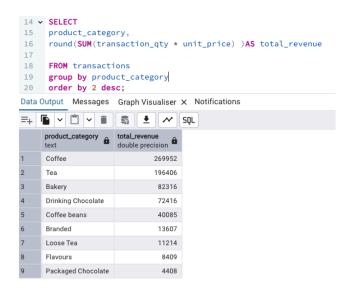
KPIs (Sales, Quantity Sold, and Orders)

To begin our analysis, we aim to calculate key Key Performance Indicators (KPIs) that will provide an overview of the business's performance between January and June 2023. These KPIs include total sales, quantity sold and the number of orders placed between **January and June 2023.**



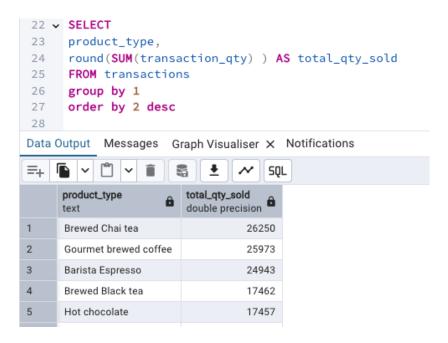
From the analysis above, it can be seen that the coffee shop received 149,116 orders in 2023. This resulted in over 214 thousand units of products sold, generating a total revenue of \$698,812.

• Product categories by revenue



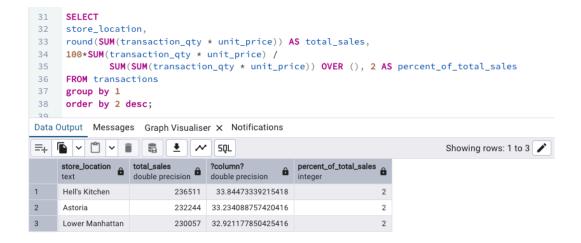
From the above analysis **Coffee, Tea, Bakery categories** contribute the most to the total sales but **"Pacakage Chocolate** is the least performing category.

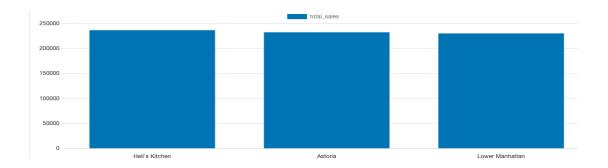
• Top 5 best-selling products by quantity sold



Brewed Chai Tea is the most sold product, and apart from the coffee and tea category, **Hot Chocolate** is a product type that stands out with a different category. It may be useful to take into consideration when organizing campaigns for customers regardless of the categories.

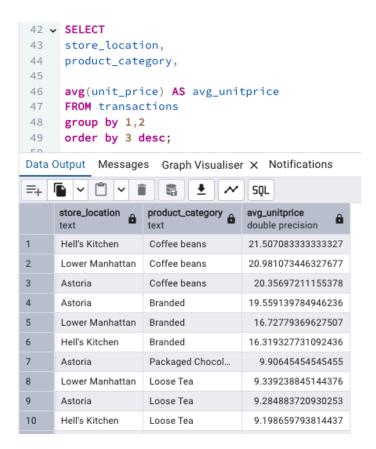
Store location by Total sales





Each store generated over \$200,000 in sales. **"Hell's Kitchen"** led the way with \$236,511, accounting for 33.8% of total sales.

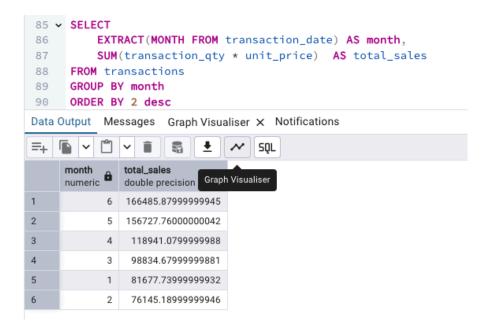
Average unit price by product category



The products in the top three categories have an average price of \$20, and the product with the highest unit price appears to be coffee beans, with price differences depending on the branch.

Time Series & Trend Analysis

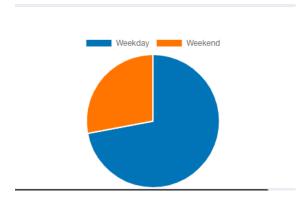
• Total sales by months



There is an upward trend in sales throughout the months, except for a decline in sales in **February.**

Weekday and Weekand Sales

```
94
95
             WHEN EXTRACT(DOW FROM transaction_date) IN (0, 6) THEN 'Weekend'
96
             ELSE 'Weekday'
97
98
         END AS day_type,
99
         ROUND(SUM(transaction_qty * unit_price)::numeric, 2) AS total_revenue,
100
         count(transaction gty) as transaction count,
         \label{eq:round_avg} \mbox{ROUND(AVG(transaction\_qty * unit\_price)::numeric, 2) AS avg\_revenue\_per\_transaction}
101
102
     FROM transactions
103
     GROUP BY day_type
     ORDER BY day_type;
Data Output Messages Graph Visualiser X Notifications
=+ a ∨ a v a sqL
                                                                         Showing rows: 1 to 2
     503587.54
                                 107510
                                                         4.68
     Weekday
                 195224.79
     Weekend
                                  41606
                                                         4.69
```



Most of the sales occur on **weekends**. In addition, the highest sales of the month were achieved in the **"Hell's Kitchen"** store on the 13th day of the month.

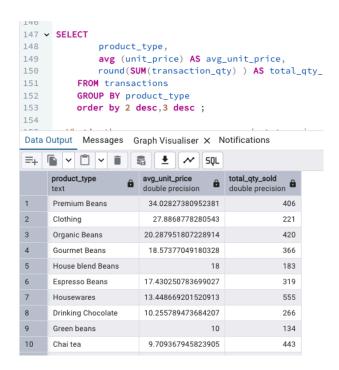
• Peak hours for sales



Orders seem to peak between **7am - 10am**. The highest sales traffic occurs at 10am, then begins to decline, reaching its lowest point around 8pm.

Product Performance

Product type by average price and quantity sold



The product with the highest unit price is "Premium Beans" and it makes a very high contribution to the coffee shop's income by selling 496 units. Chai Tea, on the other hand, is the product with the lowest unit price, but its sales amount is 443 units, which is a very high number, and as seen in the above analyses, the tea category was the second category that made the highest contribution to the total sales.

Average revenue per product type in each store location?

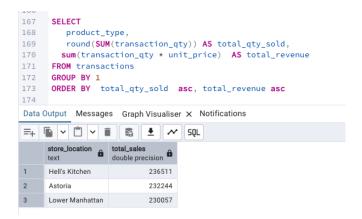
The product with the highest average revenue in the "Astoria" store is Premium Beans with \$32, while in the "Hell's Kitchen" store, "Premium Beans" is at the top with an average revenue of \$57, and in the "Lower Manhattan" store, "Premium Beans" is again at the top with \$34.



The **"Green beans"** product has the lowest sales performance with a sales volume of 134 units and a sales revenue of \$1,340.

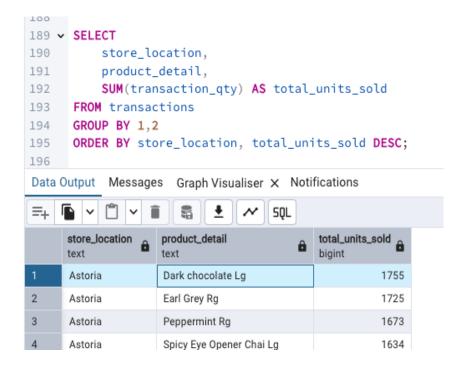
📍 Store & Location Insights

• Sales performance by store location



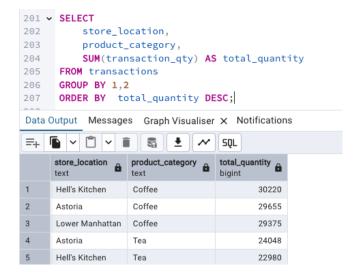
The stores each generated over \$200,000 in sales, with Hell's Kitchen leading the pack with \$236,511.

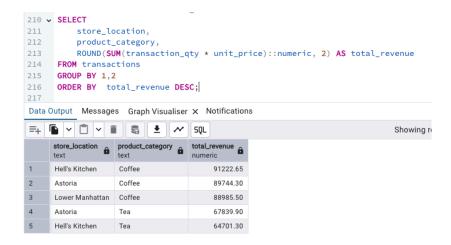
• Most popular product in each location?



In the "Astoria" locations, "Dark chocolate Lg" is the most ordered product with 1755 units. In the "Hell's Kitchen" location "Ouro Brasileiro shot" with 1854 units. In the "Lower Manhattan" location, "Peppermint Lg" with 1582 units.

Customer preferences by location





According to the **Total Unit** and **Total Revenue** metrics, according to customer preferences in 3 stores, the catalog **Coffee and Tea** categories are at the top in all stores.