

Coffee Sales Analysis on Snowflake and Excel

Snowflake

On Snowflake, time buckets were created using the CASE statement. Aggregates such as count() and Sum() were used to get the total number of sales and revenues. Refer to the syntax below for clarity.

```
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7
8 select transaction_date,
9        to_char(transaction_date, 'yyyymm') as month_id,
10        count(transaction_id) as number_of_sales,
11        count(product_id) as unique_products_sold,
12        sum(transaction_qty * to_number(replace(unit_price, ',', ''))) total_amount,
13        product_category,
14        product_detail,
15        product_type,
16        store_location,
17        case
18          when transaction_time between '07:00:00' and '11:59:00' then 'Morning'
19          when transaction_time between '12:00:00' and '16:59:00' then 'Afternoon'
20          when transaction_time between '17:00:00' and '20:59:00' then 'Evening'
21          else 'night'
22        end as time_buckets
23 from coffee_sales
24 group by all
25 order by transaction_date asc;
```

Excel

Excel was used to create graphs on pivot tables. The pictures below show the process of obtaining the graphs.

