A PROJECT EXAMINING SALES DATA FROM A PIZZA RESTAURANT TO IDENTIFY TRENDS, PATTERNS, KPIS OVER A PERIOD OF ONE YEAR WHICH CAN BE USED FOR FUTURE FORECASTING AND BUDGETING, CREATED USING SQL & POWER BI.

TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE

```
select top 3 pizza_types.name, SUM(order_details.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.name
order by revenue desc
```

130 %

Results | Messages

	name	revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The Californía Chicken Pizza	41409.5

PERCENTAGE CONTRIBUTION OF EACH PIZZA CATEGORY TO TOTAL REVENUE

LARANA PIZZA

```sql
select pizza_types.category,
round(sum(order_details.quantity * pizzas.price) / (select round(sum(order_details.quantity * pizzas.price),2)
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id) * 100,2) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by category
order by revenue desc
```

30 %

Results | Messages

	category	revenue
1	Classic	26.91
2	Supreme	25.46
3	Chicken	23.96
4	Veggie	23.68

TOTAL NUMBER OF ORDERS PLACED

LARANA PIZZA

```
select COUNT(order_id) as total_orders from orders;
```

Results | Messages

total_orders
21350

TOTAL REVENUE GENERATED FROM SALES

```
select round(sum(order_details.quantity * pizzas.price),2) as total_revenue
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id;
```

Results | Messages

total_revenue
817860.05

HIGHEST-PRICED PIZZA

```
select top 1 pizza_types.name, round((pizzas.price)
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
order by pizzas.price desc;
```

Results | Messages

name	price
The Greek Pizza	35.95

AVERAGE NUMBER OF PIZZAS ORDERED PER DAY

```
select avg(order_quantity) as avg_qty from
(select orders.date, sum(order_details.quantity) as order_quantity
from orders join order_details
on orders.order_id = order_details.order_id
group by orders.date) as order_qty
```

130 %

Results | Messages

	avg_qty
1	138

MOST COMMON PIZZA SIZE

```
select top 1 pizzas.size, count(order_details.quantity) as order_count
from pizzas join order_details
on pizzas.pizza_id =order_details.pizza_id
group by pizzas.size
order by pizzas.size;
```

Results | Messages

size	order_count
L	18526

TOP 5 MOST ORDERED PIZZA TYPES WITH QUANTITY

```sql
select top  5 pizza_types.name, sum(order_details.quantity) as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.name
order by quantity desc;
```

Results | Messages

name	quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

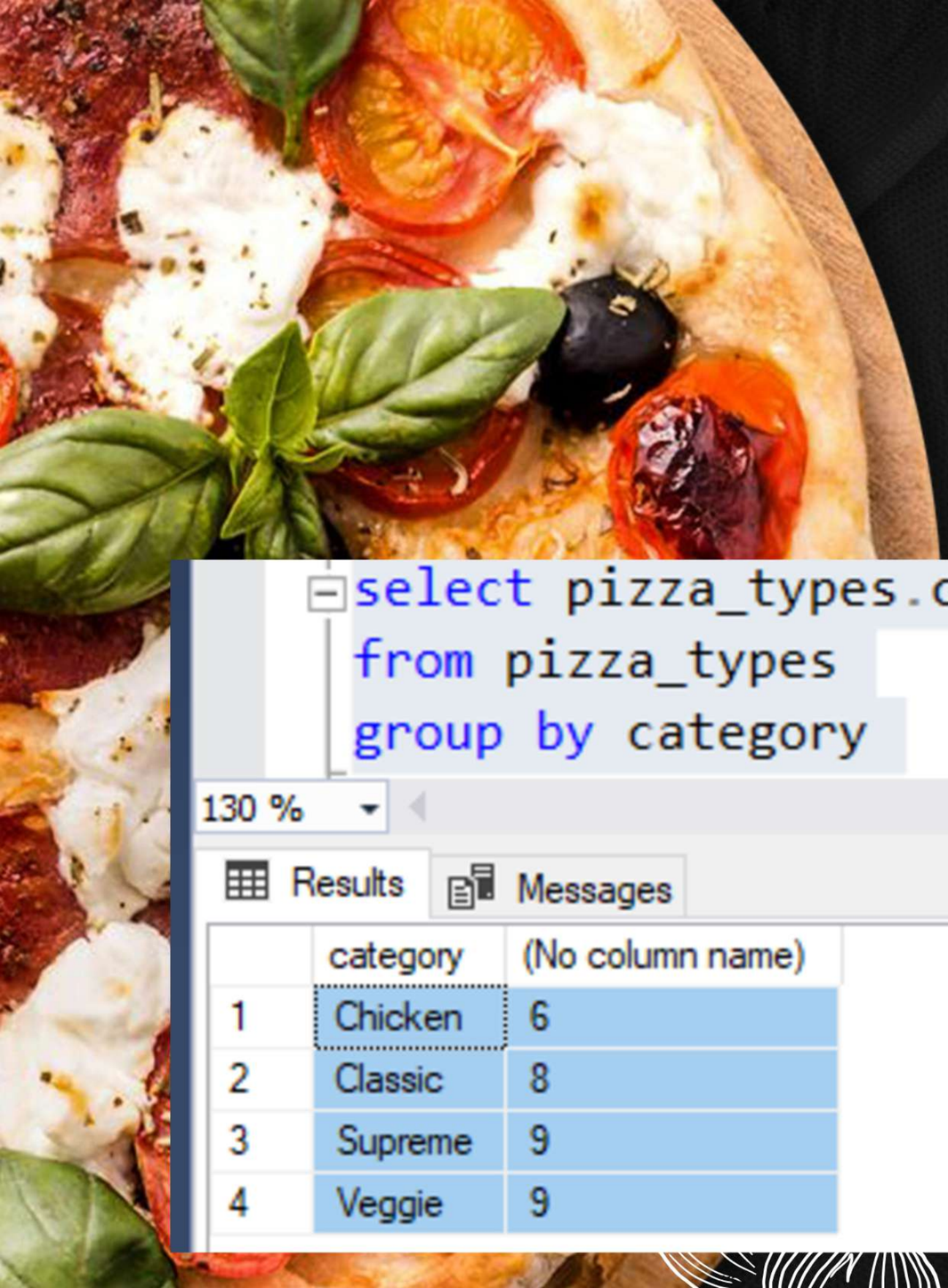
TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED

```sql
select pizza_types.category, sum(order_details.quantity) as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by category
```

130 %

Results | Messages

	category	quantity
1	Chicken	11050
2	Classic	14888
3	Supreme	11987
4	Veggie	11649



CATEGORY-WISE DISTRIBUTION OF PIZZAS

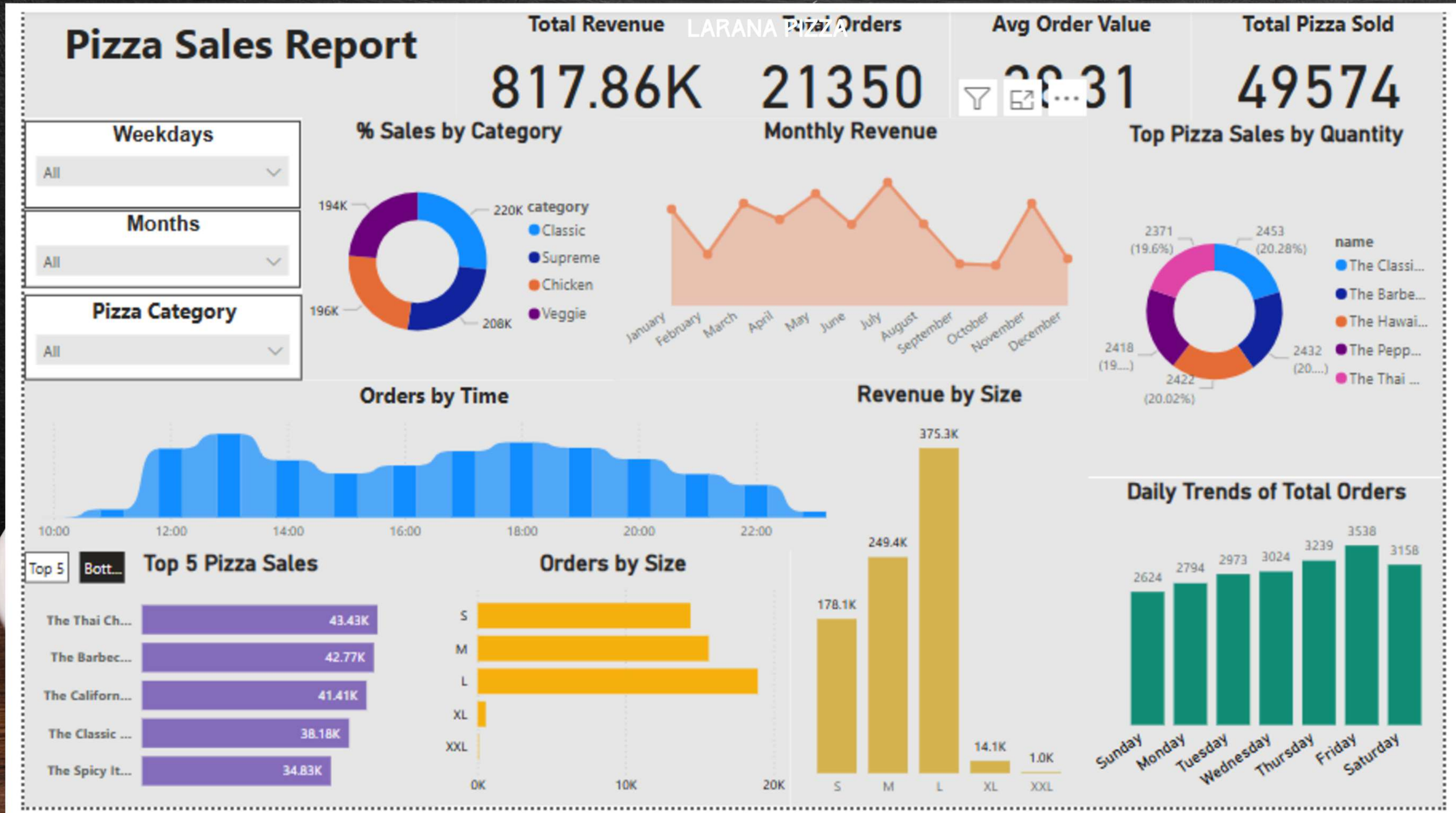
```
select pizza_types.category, count(pizza_types.pizza_type_id)
from pizza_types
group by category
```

130 %

Results | Messages

	category	(No column name)
1	Chicken	6
2	Classic	8
3	Supreme	9
4	Veggie	9

DASHBOARD


Pizza Sales Report
LARANA PIZZA
Total Revenue
817.86K
Total Orders
21350
Avg Order Value
38.31
Total Pizza Sold
49574
Weekdays
All
Months
All
Pizza Category
All
% Sales by Category
194K
220K
196K
208K
category
Classic
Supreme
Chicken
Veggie
Monthly Revenue
January
February
March
April
May
June
July
August
September
October
November
December
Top Pizza Sales by Quantity
2371
(19.6%)
2453
(20.28%)
2418
(19....)
2432
(20....)
2422
(20.02%)
name
The Classi...
The Barbe...
The Hawai...
The Pepp...
The Thai ...
Orders by Time
10:00
12:00
14:00
16:00
18:00
20:00
22:00
Revenue by Size
375.3K
249.4K
178.1K
14.1K
1.0K
S
M
L
XL
XXL
Daily Trends of Total Orders
2624
2794
2973
3024
3239
3538
3158
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Top 5
Bott...
Top 5 Pizza Sales
The Thai Ch...
43.43K
The Barbec...
42.77K
The Californ...
41.41K
The Classic ...
38.18K
The Spicy It...
34.83K
Orders by Size
S
M
L
XL
XXL
0K
10K
20K