

# PIZZA SALES ANALYSIS



# TOTAL SALES PRICE

```
select  
sum(order_details.quantity*pizzas.price) as total_sales  
from order_details join pizzas  
on pizzas.pizza_id=order_details.pizza_id
```

total_sales
66429068.70005329



# THE HIGHEST PRICE PIZZA

```
select  
pizza_types.name,pizzas.price  
from pizza_types join pizzas  
on pizza_types.pizza_type_id=pizzas.pizza_type_id  
order by pizzas.price desc limit 1
```

	name	price
→	The Greek Pizza	35.95

# THE QUANTITY OF PIZZA ORDERED MAXIMUM TIMES

```
select quantity ,count(order_details_id)  
from order_details group by quantity
```

quantity	count(order_details_id)
1	40537
2	742
3	20
4	2



```
select  
    pizzas.size, count(order_details.order_details_id) as order_count  
from pizzas join order_details  
on pizzas.pizza_id = order_details.pizza_id  
group by pizzas.size order by order_count desc
```

	size	order_count
→	L	15678
	M	12960
	S	12174
	XL	464
	XXL	25

THE MOST  
COMMON PIZZA  
SIZE ORDERED

# LIST THE TOP 5 MOST ORDERED PIZZAS ALONG WITH THEIR QUANTITY

```
select pizza_types.name , sum(order_details.quantity ) as total_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 total_quantity desc limit 5;
```

	name	total_quantity
▶	The Pepperoni Pizza	2152
▶	The Classic Deluxe Pizza	2127
▶	The Hawaiian Pizza	2099
▶	The Barbecue Chicken Pizza	2029
▶	The Thai Chicken Pizza	1957

# TOTAL QUANTITY OF EACH PIZZAS CATEGORY

```
select
pizza_types.category, sum(order_details.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.category
```

category	sum(order_details.quantity)
Veggie	9837
Classic	12817
Supreme	10088
Chicken	9347

# DETERMINE DISTRIBUTION OF ORDERES BY HOUR OF THE DAY

```
select hour(time), count(order_id) from orders  
group by hour(time)
```

	hour(time)	count(order_id)
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399

# CATEGORY WISE DISTRIBUTION OF PIZZAS

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

category	count(pizza_type_id)
Chicken	6
Classic	8
Supreme	9
Veggie	9

GROUP ORDERS BY DATE AND  
CALCULATE THE AVG NUMBER OF PIZZAS  
ORDERED PER DAY

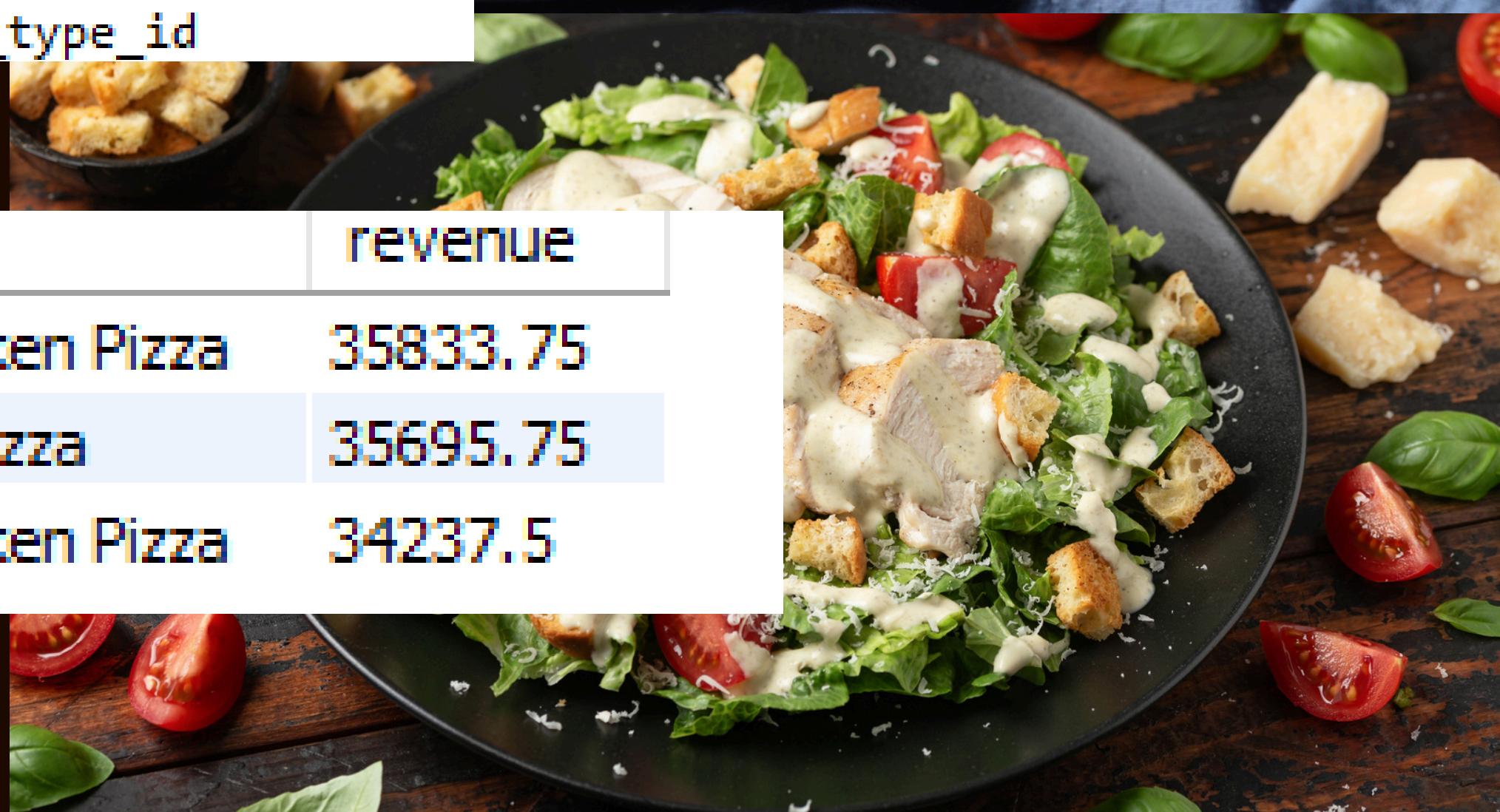
```
select avg(total_quantity) from
(select orders.date,sum(order_details.quantity) as total_quantity
from orders join order_details
on order_details.order_id= orders.order_id
group by orders.date ) as order_quantity
```

avg(total_quantity)
138.4507

# LIST TOP 3 RATED PIZZA BASED ON THEIR REVENUE

```
select pizza_types.name,  
sum(order_details.quantity*pizzas.price) as revenue  
from order_details join pizzas  
on order_details.pizza_id= pizzas.pizza_id  
join pizza_types  
on pizza_types.pizza_type_id=pizzas.pizza_type_id
```

name	revenue
The Barbecue Chicken Pizza	35833.75
The Thai Chicken Pizza	35695.75
The California Chicken Pizza	34237.5



CALCULATE THE  
PERCENTAGE  
CONTRIBUTION OF EACH  
PIZZA TYPE TO TOTAL  
REVENUE

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

	category	revenue
	Classic	27.245616045249854
	Supreme	25.205650978930805
	Chicken	23.899187872725257
	Veggie	23.649545103093985

# ANALYSE THE CUMMALATIVE REVENUE GENERATED OVER TIME

```
select date,  
sum(revenue) over (order by date) as cumrevenue  
from  
(select orders.date,  
sum(order_details.quantity*pizzas.price) as revenue  
from order_details join pizzas  
on order_details.pizza_id=pizzas.pizza_id  
join orders  
on orders.order_id=order_details.order_id  
group by orders.date) as sales
```

	date	cumrevenue
▶	2015-01-01	3639.15
	2015-01-02	5774.15
	2015-01-03	8063.349999999999
	2015-01-04	10304.4
	2015-01-05	13479.4
	2015-01-06	15983.19999999999
	2015-01-07	19859.149999999998
	2015-01-08	22805.649999999998

DETERMINE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

```
select category, name, revenue,  
rank() over(partition by category order by revenue desc) as rn  
from(select pizza_types.category, 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.category, pizza_types.name) as aj
```

category	name	revenue	rn
Chicken	The Barbecue Chicken Pizza	35833.75	1
Chicken	The Thai Chicken Pizza	35695.75	2
Chicken	The California Chicken Pizza	34237.5	3
Chicken	The Southwest Chicken Pizza	30186	4
Chicken	The Chicken Alfredo Pizza	15533.5	5
Chicken	The Chicken Pesto Pizza	14127.75	6
Classic	The Classic Deluxe Pizza	33193	1
Classic	The Hawaiian Pizza	27600.5	2