

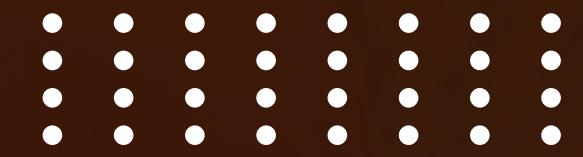
Where Every Page is a Taste of Analysis

WELCOME TO PIZZALYZE

Start Your Slide



ANALYZE
NOW

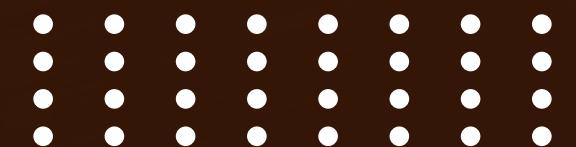


PIZZA SALES PROJECT USING SQL



HELLO!

My name is Ritesh Kumar Pradhan. In this project i have utilized SQL Queries to solve questions that were related to pizza sales !



RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

```
select count(order_id) as total_orders from porders;
```

Result Grid	
	total_orders
▶	21350



\$20

Margherita Pizza



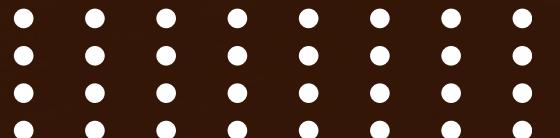
\$30

Veggie Delight



\$25

Pepperoni Pizza



CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES

```
SELECT  
    ROUND(SUM(order_details.quantity * pizzas.price),  
        2) AS total_revenue  
FROM  
    order_details  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

Result Grid	
	total_revenue
▶	817860.05

IDENTIFY THE HIGHEST-PRICED 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;
```

Result Grid | Filter Rows:

	name	price
▶	The Greek Pizza	35.95



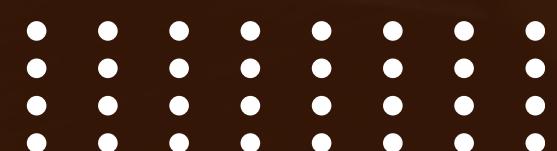
IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

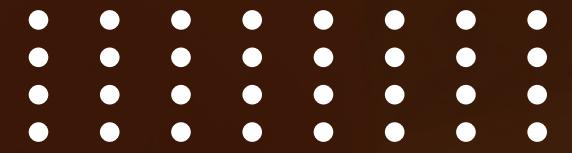


```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC
LIMIT 1;
```

Result Grid | Filter F

	size	order_count
▶	L	18526



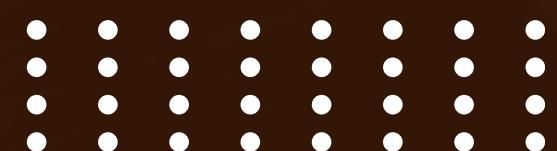


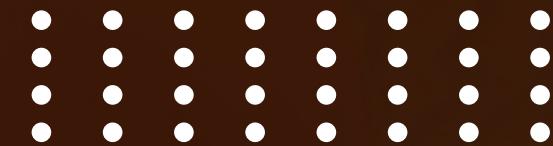
LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.



```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS Qnt
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 Qnt DESC
LIMIT 5;
```

Result Grid			
		name	Qnt
▶	The Classic Deluxe Pizza	2453	
	The Barbecue Chicken Pizza	2432	
	The Hawaiian Pizza	2422	
	The Pepperoni Pizza	2418	
	The Thai Chicken Pizza	2371	





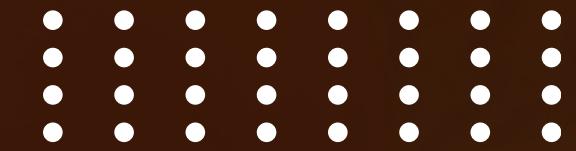
JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.



```
SELECT
    pizza_types.category, SUM(order_details.quantity) AS Qnt
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
ORDER BY Qnt DESC;
```

Result Grid | Filter Rows:

	category	Qnt
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

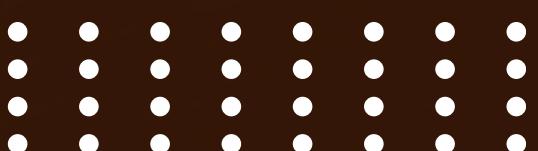


DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.



```
SELECT  
    HOUR(order_time) AS orderhour,  
    COUNT(order_id) AS count_order  
FROM  
    porders  
GROUP BY orderhour  
ORDER BY orderhour ASC;
```

Result Grid		
	orderhour	count_order
▶	9	1
	10	8
	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28





FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

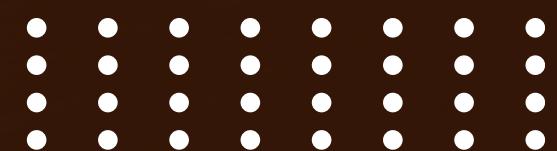


```
select category, count(name) from pizza_types  
group by category;
```



Result Grid | Filter Row

	category	count(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



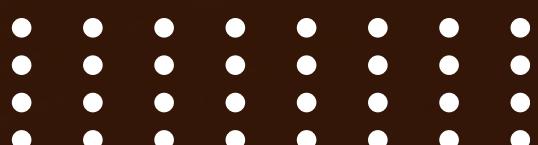


GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.



```
SELECT
    ROUND(AVG(dailytotal_quantity), 0) as avg_order_perday
FROM
    (SELECT
        porders.order_date,
        SUM(order_details.quantity) AS dailytotal_quantity
    FROM
        porders
    JOIN order_details ON porders.order_id = order_details.order_id
    GROUP BY porders.order_date) AS quantity_per_day;
```

	avg_order_perday
▶	138



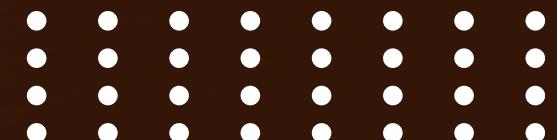


DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

```
SELECT
    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
LIMIT 3;
```

Result Grid | Filter Rows:

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5





CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.



```
SELECT
    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
LIMIT 3;
```



	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5





ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.



```
select order_date,  
sum(revenue) over(order by order_date) as cum_revenue  
from  
(select porders.order_date,  
sum(order_details.quantity*pizzas.price) as revenue  
from order_details join pizzas  
on order_details.pizza_id = pizzas.pizza_id  
join porders  
on porders.order_id = order_details.order_id  
group by porders.order_date ) as daily_sales;
```

	order_date	cum_revenue
▶	2015-01-01	2713.8500000000004
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.350000000002
	2015-01-11	25862.65



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

```
select name,revenue
from
(select category,name,revenue,rank() over(partition by category order by revenue desc) as S
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 R) as SR
where s<=3;
```

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25
	The Pepperoni Pizza	30161.75
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Sicilian Pizza	30940.5
	The Four Cheese Pizza	32265.70000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5