



# Introduction to Pizza Hut

This project analyzes PizzaHut's cumulative revenue over time, examining the contribution of various pizza types and identifying key revenue trends and insights.

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# Retrieve the total number of orders placed.



```
SELECT
```

```
    COUNT(order_id) AS total_orders
```

```
FROM
```

```
    orders;
```

```
-- or
```

```
SELECT
```

```
    COUNT(order_id)
```

```
FROM
```

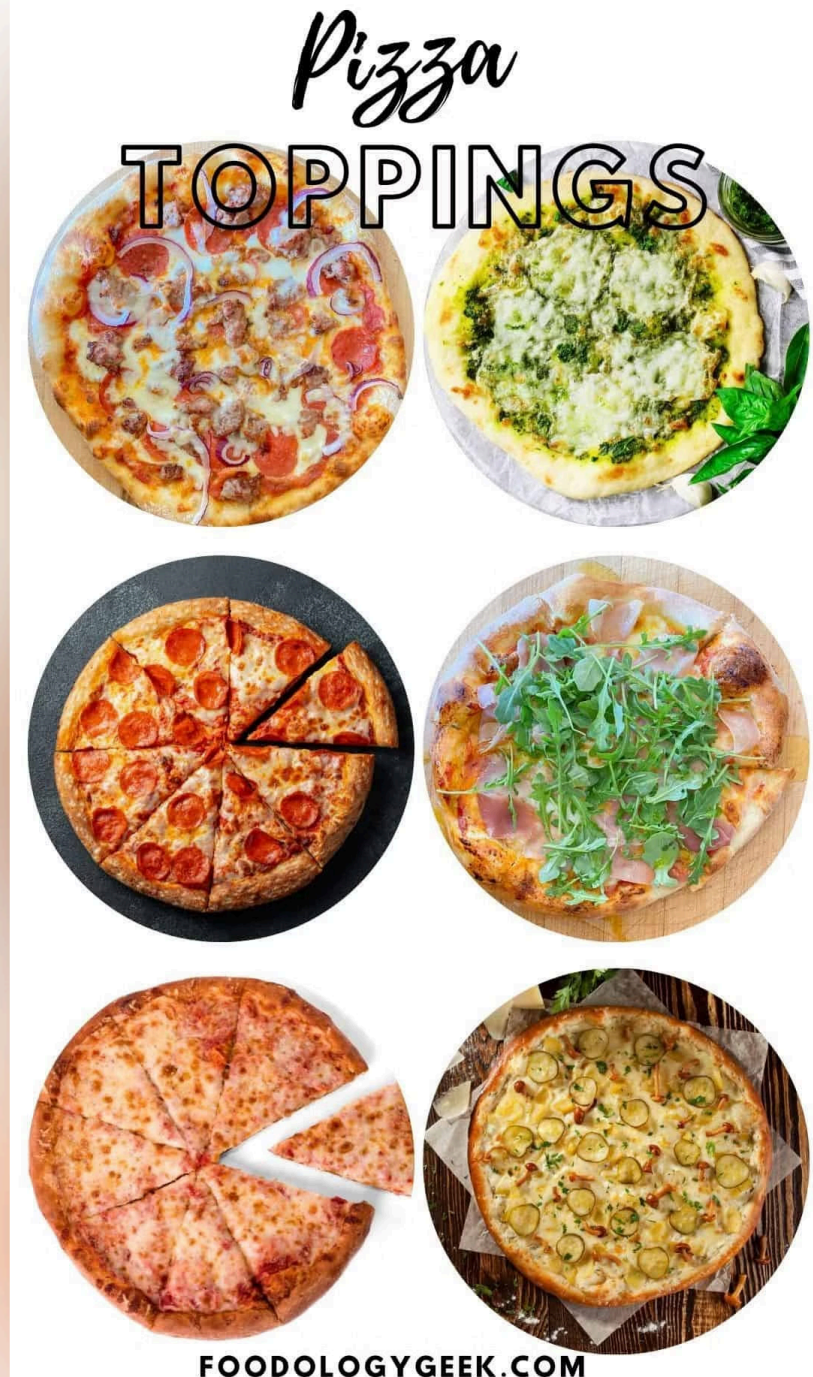
```
    orders;
```



List the top 5 most ordered pizza types along with their quantities.

```
SELECT
    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
LIMIT 5;
```

	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



Group the orders by date and calculate the average number of pizzas ordered per day.

```
SELECT
    ROUND(AVG(quantity),0) as avz_pizza_ordered_per_day
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity) AS quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order_date) AS order_quantity;
```

..... **Pizza** ~ Original Hand Tossed or Thin Crust .....

	Medium 9"	Family 12"	Big Family 14"
<b>Toppings So Bongga!</b> pepperoni, ham, chorizo, bacon, beef, italian sausage, mushroom, green bell pepper, onion, pineapple, tomato, black olive, & mozzarella cheese	350	490	624
<b>Cheesy Burger</b> beef, bacon, & mozzarella cheese	339	479	581
<b>Creamy Garlic &amp; 5 Cheese</b> creamy garlic sauce, garlic, pizza cheese, cheddar cheese, parmesan cheese, feta cheese, & mozzarella cheese	339	479	581
<b>Angel's Pepperoni</b> pepperoni and mozzarella cheese	339	479	581
<b>All Meat</b> pepperoni, bacon, ham, chorizo, beef, & mozzarella cheese	339	479	581
<b>Chicken Aloha</b> bbq chicken chunks, ham, bacon, pineapple, green bell pepper, bbq sauce, & mozzarella cheese	350	490	624
<b>Angel's Aloha</b> ham, pineapple, & mozzarella cheese	307	436	516
<b>Halleluia Mozzarella</b> classic red sauce sauce, & mozzarella cheese	350	490	624
<b>Triple Threat</b> 3 Flavors in One: Pepperoni, All Meat and Big Kahuna Hawaiian		490	624

**Cheesy Melt Double Decker Pizza**  
pepperoni, cheddar, & mozzarella cheese, culinary cream

**ALSO AVAILABLE:**  
**Cheesy Burger Double Decker**  
beef, bacon, cheddar & mozzarella cheese

**672**





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 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 a) as b
where rn <= 3;
```

▶	The Thai Chicken Pizza	43434.25	
	The Barbecue Chicken Pizza	42768	
	The California Chicken Pizza	41409.5	
	The Classic Deluxe Pizza	38180.5	38180.5
	The Hawaiian Pizza	32273.25	



Analyze the cumulative revenue generated over time.

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

▶	2015-01-01	2713.85000000000004
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55





```
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	18526
	M	15385
	S	14137
	XL	544
	XXL	28





# THANK YOU!

"Thank you for your time and attention. I welcome any questions or comments about the analysis."