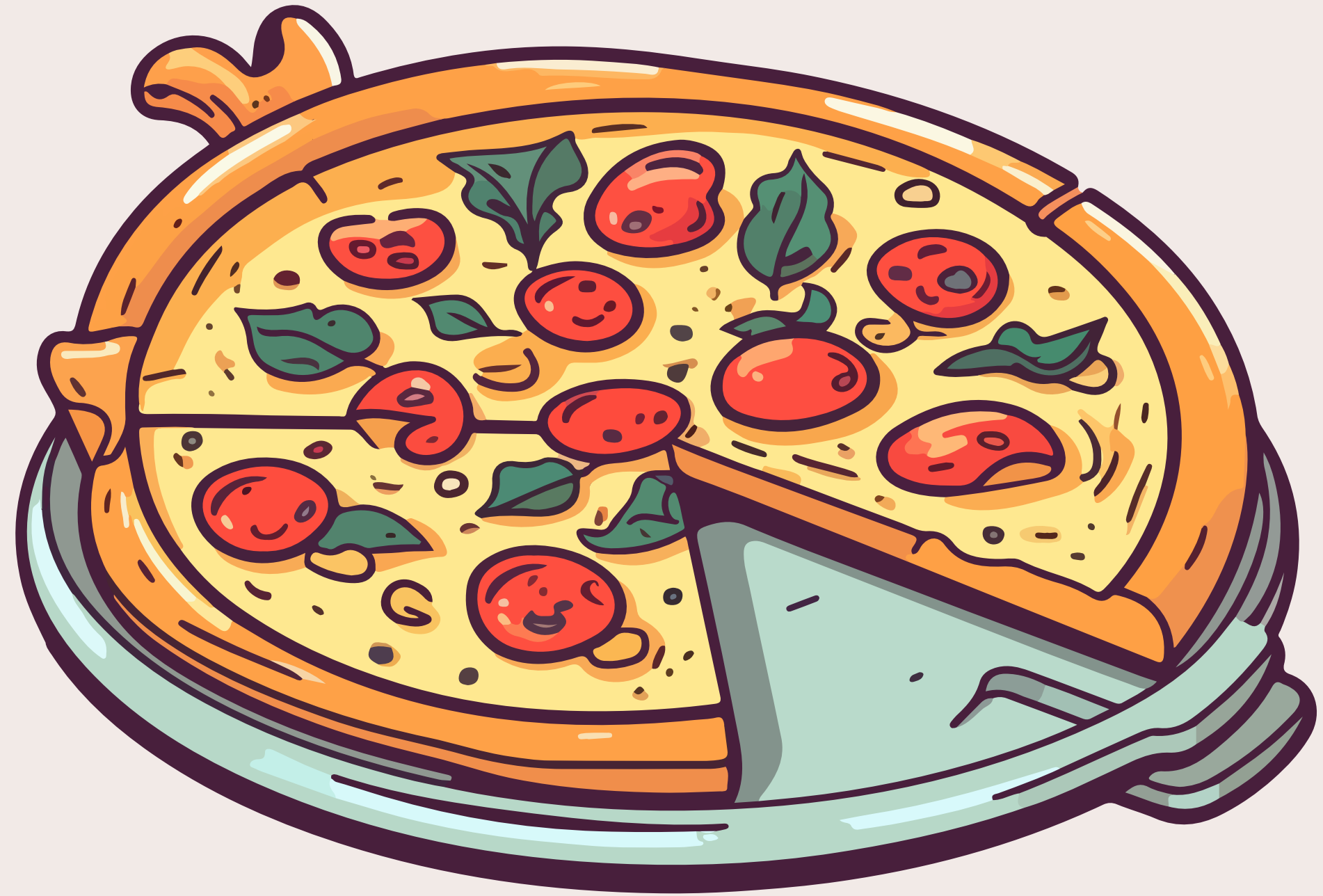


Pizza Sales Analytics by Rohan Kunjir:

Pizza Sales Analytics is a comprehensive solution designed to provide detailed insights into the performance of pizza businesses. Created by Rohan Kunjir, this analytics tool leverages advanced data analysis techniques to help pizzerias optimize their operations, increase sales, and enhance customer satisfaction.



Q: Retrieve the total number of orders placed.

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

Rohan Kunjir

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

	total_orders
▶	21350



Q: 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;
```

	total_revenue
▶	817860.05

Q: 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 price DESC  
LIMIT 1;
```

	name	price
▶	The Greek Pizza	35.95

Q:Identify the most common pizza size ordered.

```
SELECT
pizzas.size, COUNT(pizzas.size) AS count
FROM
pizzas
JOIN
order_details USING (pizza_id)
GROUP BY pizzas.size
ORDER BY count DESC;
```

	size	count
	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28



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

Join the necessary tables to find the total quantity of each pizza category ordered

```
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 pizza_types.category
ORDER BY quantity DESC;
```

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Determine the distribution of orders by
hour of the day.

```
SELECT  
  HOUR(order_time), COUNT(order_id) AS order_count  
FROM  
  orders  
GROUP BY HOUR(order_time);
```

	hour(order_time)	order_count
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28
	10	8
	9	1

Q:Join relevant tables to find the category-wise distribution of pizzas.

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

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

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

```
SELECT
ROUND(AVG(quant), o) AS AVg_order
FROM
(SELECT
orders.order_date, SUM(order_details.quantity) AS quant
FROM
orders
JOIN order_details ON orders.order_id = order_details.order_id
GROUP BY orders.order_date) AS order_quant;
```

	AVg_order
▶	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
        using(pizza_type_id)
      join order_details
        using(pizza_id)
      group by 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