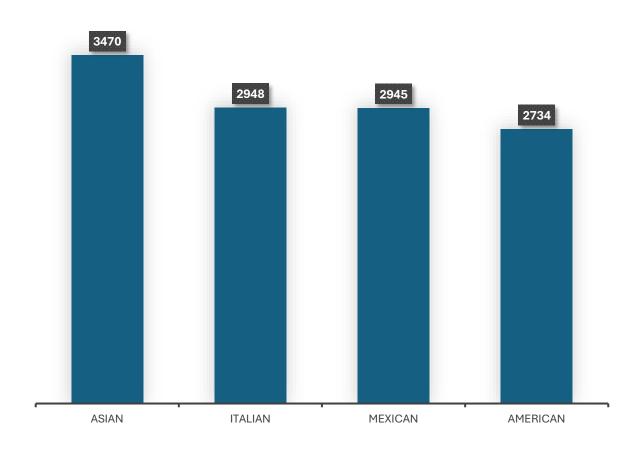
Restaurant Operation Analysis

1) Identify popular and unpopular cuisines:

SELECT m.category, count(*) as num_order	category	num_order
FROM order_details as o	Asian	3470
JOIN menu_items as m	Italian	2948
ON m.menu_item_id = o.item_id	Mexican	2945
GROUP BY 1	American	2734
ORDER BY 2 DESC;		

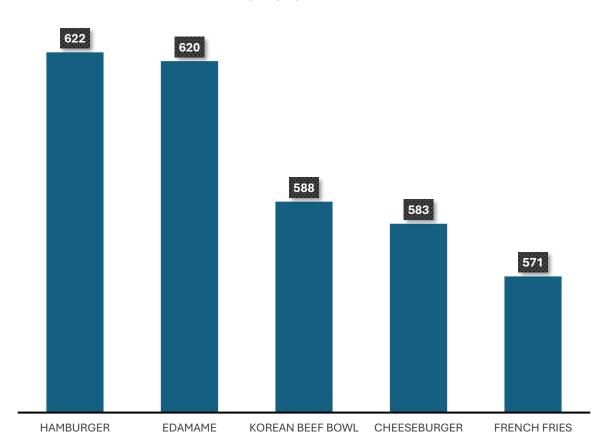
Total orders by cusines



2) Identify top 5 popular and unpopular menu items:

SELECT m.item_name, count(*) as num_order	item_name	num_order
FROM order_details as o	Hamburger	622
JOIN menu_items as m	Edamame	620
ON m.menu_item_id = o.item_id	Korean Beef Bowl	588
GROUP BY 1	Cheeseburger	583
ORDER BY 2 DESC	French Fries	571
LIMIT 5;		

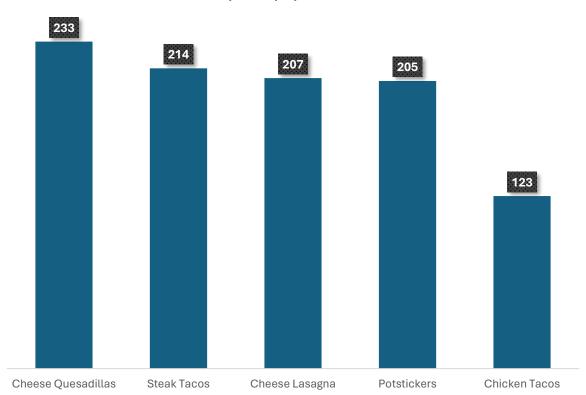
Top 5 popular items



3) Identify top 5 unpopular menu items:

SELECT m.item_name, count(*) as num_order	item_name	num_order
FROM order_details as o	Chicken Tacos	123
JOIN menu_items as m	Potstickers	205
ON m.menu_item_id = o.item_id	Cheese Lasagna	207
	Steak Tacos	214
GROUP BY 1	Cheese Quesadillas	233
ORDER BY 2 ASC		
LIMIT 5;		





3) Check whether certain time that had more or less order:

SELECT CASE	time_period	num_orders
WHEN o.order_time <= '12:00:00' then 'Morning'	Afteroon	4915
WHEN o.order_time > '12:00:00' AND o.order_time <=	Evening	4757
'16:00:00' then 'Afteroon'	Night	1795
WHEN o.order_time > '16:00:00' AND o.order_time <=	Morninng	630

WHEN o.order_time <= '24:00:00' then 'Night'

END as time_period,

count(*) as num_orders

'20:00:00' then 'Evening'

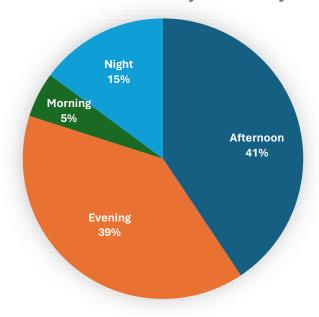
FROM order_details as o

JOIN menu_items as m ON m.menu_item_id = o.item_id

GROUP BY 1

ORDER BY 2 DESC;

Order distribution by time of day



4) Determine Sales distribution by cuisines:

SELECT m.category, SUM(m.price) as num_order	category	num_order
FROM order_details as o	Italian	49462.70
JOIN menu_items as m	Asian	46720.65
ON m.menu_item_id = o.item_id	Mexican	34796.80
	American	28237.75
GROUP BY 1		
ORDER BY 2 DESC;		

Sales Distribution by cusines

