A. Pizza Metrics

1- How many pizzas, were ordered?

select count (order\_id) total\_pizza

from customer\_orders;

select count(\*) as pizza\_ordered from customer\_orders;

--2-How many unique customer, orders were made?

select

count (distinct co.order\_id)

from customer\_orders;

--3-How many successful orders, were delivered by each runner?

select runner\_id,

count (distinct order\_id) as total\_orders

from runner\_orders

where pickup\_time is not null

group by 1;

--4-How many of each type of pizza, was delivered?

select pizza\_id,

count (pizza\_id) as total\_pizza

from customer\_orders as co

join runner\_orders as ro on co.order\_id =ro.order\_id

where cancellation is null

group by 1;

--5-How many Vegetarian and Meatlovers, were ordered, by each customer?

select \* from pizza\_names;

select co.customer\_id,

pn.pizza\_name,

count (pizza\_name) as total\_pizza

from customer\_orders as co

join runner\_orders ro ON ro.order\_id=co.order\_id

join pizza\_names as pn on co.pizza\_id=pn.pizza\_id

where cancellation is null

group by 1,2

order by 1;

--6-What was the maximum number of pizzas, delivered, in a single order?

select co.order\_id,

count (co.order\_id) ct\_pizza

from customer\_orders as co inner join runner\_orders

as ro on co.order\_id=ro.order\_id

where pickup\_time is not null

group by 1

order by count(co.order\_id) DESC

LIMIT 1;

SELECT COUNT (\*) as max\_pizzas\_del

FROM customer\_orders co

JOIN runner\_orders ro ON co.order\_id = ro.order\_id

WHERE ro.cancellation IS NULL

GROUP BY co.order\_id

ORDER BY count(\*) DESC

LIMIT 1;

7-For each customer, how many delivered pizzas, had at least 1 change and how many had no changes?

WITH changes AS(

SELECT c.customer\_id

, c.pizza\_id

, c.exclusions

, c.extras

FROM customer\_orders c

JOIN runner\_orders r USING(order\_id)

WHERE r.cancellation IS NULL)

SELECT customer\_id

, SUM(CASE WHEN exclusions IS NOT NULL OR extras IS NOT NULL

THEN 1 ELSE 0 END) AS pizza\_changes

, SUM(CASE WHEN exclusions IS NULL AND extras IS NULL

THEN 1 ELSE 0 END) AS no\_pizza\_changes

FROM changes

GROUP BY customer\_id

ORDER BY customer\_id;

8-How many pizzas were delivered that had both exclusions and extras?

Hem exclusions hem de extraya sahip, olan kaç tane toplam pizza, teslim edildi?

SELECT c.order\_id

, COUNT(c.pizza\_id) num\_pizza

FROM customer\_orders c

JOIN runner\_orders r USING(order\_id)

WHERE r.cancellation IS NULL AND

c.exclusions IS NOT NULL AND

c.extras IS NOT NULL

GROUP BY 1

ORDER BY 2 DESC

;

9-What was the total volume of pizzas, ordered, for each hour of the day?

What was the volume of orders for each day of the week?

SELECT date\_part('hour',order\_time) AS hour,

COUNT (\*) FROM customer\_orders

GROUP BY 1;

SELECT TO\_CHAR(order\_time,'Day') AS day\_of\_week,

COUNT(\*) AS order\_volume

FROM customer\_orders

GROUP BY day\_of\_week;