

Customer_orders table					
order_id	customer_id	pizza_id	exclusions	extras	order_time
1	101	1	0	0	1/1/20 18:05
2	101	1	0	0	1/1/20 19:00
3	102	1	0	0	1/2/20 23:51
3	102	2	0	0	1/2/20 23:51
4	103	1	4	0	1/4/20 13:23
4	103	1	4	0	1/4/20 13:23
4	103	2	4	0	1/4/20 13:23
5	104	1	0	1	1/8/20 21:00
6	101	2	0	0	1/8/20 21:03
7	105	2	0	1	1/8/20 21:20
8	102	1	0	0	1/9/20 23:54
9	103	1	4	1, 5	1/10/20 11:22
10	104	1	0	0	1/11/20 18:34
10	104	1	2, 6	1, 4	1/11/20 18:34

Pizza_recipe table	
pizza_id	toppings
1	1
1	2
1	3
1	4
1	5
1	6
1	8
1	10
2	4
2	6
2	7
2	9
2	11
2	12

runner_feedback table	
order_id	runner_rating
	4
	5
	2
	4
	3
	5
	8
	10
	11
	12
	1

Pizza_name table	
pizza_id	pizza_name
1	Meatlovers
2	Vegetarian

Runner_orders table					
order_id	runner_id	pickup_time	distance(km)	duration(min)	cancellation
1	1	1/1/20 18:15	20	32	0
2	1	1/1/20 19:10	20	27	0
3	1	1/3/20 0:12	13	20	0
4	2	1/4/20 13:53	23	40	0
5	3	1/8/20 21:10	10	15	0
6	3	NULL	NULL	NULL	Restaurant Cancellation
7	2	1/8/20 21:30	25	25	0
8	2	1/10/20 0:15	23	15	0
9	2	NULL	NULL	NULL	Customer Cancellation
10	1	1/11/20 18:50	10	10	0

week_table			
id	weeknum	week	
1.00	week1	1/1/2021	
2.00	week2	1/8/2021	
3.00	week3	1/15/2021	
4.00	week4	1/22/2021	

runner table	
runner_id	registration_date
1	1/1/2021
2	1/3/2021
3	1/8/2021
4	1/15/2021

Data Model

order_id	customer_id	pizza_id	runner_id-2	exclusions	extras	order_time	pickup_time	distance(km)	duration(min)	cancellation	pizza_name	registration_date	cost of pizza
1	101	1	1	0	0	1/1/2020 18:05	1/1/2020 18:15	20	32	Order placed	Meatlovers	1/1/2021	\$12.00
2	101	1	1	0	0	1/1/2020 19:00	1/1/2020 19:10	20	27	Order placed	Meatlovers	1/1/2021	\$12.00
3	102	2	1	0	0	1/2/2020 23:51	1/3/2020 0:12	13.4	20	Order placed	Vegetarian	1/1/2021	\$10.00
3	102	1	1	0	0	1/2/2020 23:51	1/3/2020 0:12	13.4	20	Order placed	Meatlovers	1/1/2021	\$12.00
4	103	1	2	4	0	1/4/2020 13:23	1/4/2020 13:53	23.4	40	Order placed	Meatlovers	1/3/2021	\$12.00
4	103	1	2	4	0	1/4/2020 13:23	1/4/2020 13:53	23.4	40	Order placed	Meatlovers	1/3/2021	\$12.00
4	103	2	2	4	0	1/4/2020 13:23	1/4/2020 13:53	23.4	40	Order placed	Vegetarian	1/3/2021	\$10.00
5	104	1	3	0	1	1/8/2020 21:00	1/8/2020 21:10	10	15	Order placed	Meatlovers	1/8/2021	\$12.00
6	101	2	3	0	0	1/8/2020 21:03	NULL	NULL	15	Restaurant Cancellation	Vegetarian	1/8/2021	\$0.00
7	105	2	2	0	1	1/8/2020 21:20	1/8/2020 21:30	25	25	Order placed	Vegetarian	1/3/2021	\$10.00
8	102	1	2	0	0	1/9/2020 23:54	1/10/2020 0:15	23.4	15	Order placed	Meatlovers	1/3/2021	\$12.00
9	103	1	2	4	1, 5	1/10/2020 11:22	NULL	NULL	15	Customer Cancellation	Meatlovers	1/3/2021	\$0.00
10	104	1	1	0	0	1/11/2020 18:34	1/11/2020 18:50	10	10	Order placed	Meatlovers	1/1/2021	\$12.00
10	104	1	1	2, 6	1, 4	1/11/2020 18:34	1/11/2020 18:50	10	10	Order placed	Meatlovers	1/1/2021	\$12.00

Cross-checking results from sql in excel

Total_pizza_ordered
14
14

Pizza_population	
Row Labels	Count of pizza_id
1	10
2	4
Grand Total	14

Avg. distance and time for each customer		
Row Labels	Average of duration(min)	Average of distance(km)
101	29.5	20
102	18.33333333	16.73333333
103	40	23.4
104	11.66666667	10
105	25	25
Grand Total	24.5	17.95

Del_status	
Deliveries	No. of orders
Customer Cancel	1
Order placed	12
Restaurant Cance	1
Grand Total	14

Pizza_type	
Pizza_types	Num of pizza
Meatlovers	10
Vegetarian	4
Grand Total	14

Total_profit
138

Row Labels	Count of order_id	Row Labels
1	6	Meatlovers
2	6	Vegetarian
3	2	Grand Total
Grand Total	14	

5

138

\$138

Quick dashboard from pizza_runner case study

Total Orders

10

Total Pizzas

14

Total Profit

\$138

customer_id

1

2

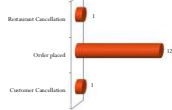
3

pizza_name

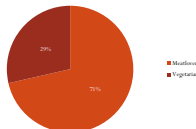
Meatlovers

Vegetarian

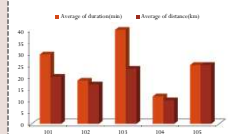
Delivery Status



Pizza Popularity



Avg. dis and time for each customer



Trends and recommendations

* Meatlover Pizza is the most popular comprising about 71% of total pizza ordered, indicating strong demand for non-vegetarian options-adding more meat based varieties could boost sales further.

*Runner with id 1 delivered maximum pizzas, showing consistent performance.

*Total 10 orders were placed out of which 2 were cancelled(20% cancellation rate)-reasons should be analysed to reduce losses.

*Total 12 pizzas were delivered successfully.

*Total profit of \$138 was made excluding any expenses and making cost.