SQL QUERIES OUTPUTS

Sample Dataset
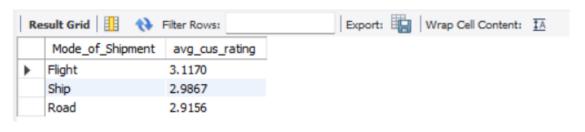
ID	Warehouse_block	Mode_of_Shipment	Customer_care_calls	Customer_rating	Cost_of_the_Product	Prior_purchases	Product_importance	Gender	Discount_offered	Weight_in_gm
1	D	Flight	4	2	177.00	3	low	F	44.00	1233
2	F	Flight	4	5	216.00	2	low	M	59.00	3088
3	A	Flight	2	2	183.00	4	low	M	48.00	3374
4	B	Flight	3	3	176.00	4	medium	M	10.00	1177
5	C	Flight	2	2	184.00	3	medium	F	46.00	2484
6	F	Flight	3	1	162.00	3	medium	F	12.00	1417
7	D	Flight	3	4	250.00	3	low	F	3.00	2371
8	F	Flight	4	1	233.00	2	low	F	48.00	2804

rce_shipping 1 ✕

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1) Total number of orders

total_orders
1000

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2) Orders delivered on time vs. delayed

Reached_on_Time	count
1	1000

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3) Average customer rating per shipment mode

Mode_of_Shipment	avg_cus_rating
Flight	3.1170
Ship	2.9867
Road	2.9156

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4) Orders arranged based on their cost with high product importance and delayed delivery
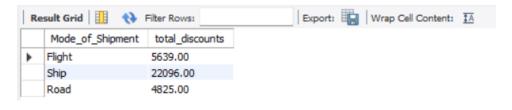
ID	Warehouse_block	Mode_of_Shipment	Customer_care_calls	Customer_rating	Cost_of_the_Product	Prior_purchases	Product_importance	Gender	Discount_offered	Weight_in_gms	Reach
14	F	Flight	4	4	275.00	3	high	M	29.00	2602	1
688	B	Flight	4	5	273.00	2	high	M	63.00	3516	1
720	F	Ship	4	3	273.00	2	high	M	43.00	3462	1
265	D	Road	5	3	271.00	5	high	M	9.00	1813	1
891	A	Ship	3	4	266.00	2	high	F	33.00	3798	1
857	C	Ship	3	4	265.00	2	high	F	64.00	2493	1
141	A	Flight	4	4	264.00	3	high	M	59.00	2020	1
673	D	Road	5	4	263.00	3	high	M	10.00	2538	1

ecommerce_shipping 7 ✕

5) Average cost of products per warehouse

Warehouse_block	avg_cost
D	197.281437
F	190.096096
A	188.988024
B	196.065868
C	194.584337

6) Total discounts given by shipment mode

Mode_of_Shipment	total_discounts
Flight	5639.00
Ship	22096.00
Road	4825.00

7) Average weight of delayed shipments

avg_weight
2344.5100

8) INNER JOIN with shipment_speed

ID	Mode_of_Shipment	estimated_days
1	Flight	2
2	Flight	2
3	Flight	2
4	Flight	2
5	Flight	2
6	Flight	2
7	Flight	2
8	Flight	2
9	Flight	2
10	Flight	2

Result 11 ✕   ℹ Read Only

9) LEFT JOIN

ID	Mode_of_Shipment	estimated_days
1	Flight	2
2	Flight	2
3	Flight	2
4	Flight	2
5	Flight	2
6	Flight	2
7	Flight	2
8	Flight	2
9	Flight	2
10	Flight	2

Result 12 ✕   ℹ Read Only

10) RIGHT JOIN

ID	Mode_of_Shipment	estimated_days
1000	Ship	5
999	Ship	5
998	Ship	5
997	Ship	5
996	Ship	5
995	Ship	5
994	Ship	5
993	Ship	5
992	Ship	5
991	Ship	5

Result 13 ×

Read Only

11) Customers who received a product costlier than the average

ID	Warehouse_block	Mode_of_Shipment	Customer_care_calls	Customer_rating	Cost_of_the_Product	Prior_purchases	Product_importance	Gender	Discount_offered	Weight_in_gms	
2	F	Flight	4	5	216.00	2	low	M	59.00	3088	1
7	D	Flight	3	4	250.00	3	low	F	3.00	2371	1
8	F	Flight	4	1	233.00	2	low	F	48.00	2804	1
12	F	Flight	4	5	232.00	3	medium	F	32.00	3253	1
13	D	Flight	3	5	198.00	3	medium	F	1.00	3667	1
14	F	Flight	4	4	275.00	3	high	M	29.00	2602	1
16	B	Flight	4	3	227.00	3	low	F	45.00	2707	1
18	F	Ship	5	5	227.00	3	medium	M	36.00	3952	1
19	D	Ship	5	5	239.00	3	high	M	18.00	2495	1

ecommerce_shipping 14 ×

Apply   Revert

Output

Action Output

#	Time	Action	Message
54	12:42:47	select * from ecommerce_shipping where Cost_of_the_Product >(select abg(Cost_of_the_Product) from ecomm...	Error Code: 1305. FUNCTION ecommerce_db.abg does not exist
55	12:43:15	select * from ecommerce_shipping where Cost_of_the_Product >(select avg(Cost_of_the_Product) from ecomm...	469 row(s) returned

12) View to track average rating by gender and shipment mode

Gender	Mode_of_Shipment	avg_rating
F	Flight	3.0000
M	Flight	3.2174
M	Ship	2.9846
F	Ship	2.9886
M	Road	2.6308
F	Road	3.1236

avg_rating_view 22 ×

Read Only

13) View of delayed high-importance orders

ID	Warehouse_block	Mode_of_Shipment	Customer_care_calls	Customer_rating	Cost_of_the_Product	Prior_purchases	Product_importance	Gender	Discount_offered	Weight_in_gms	
14	F	Flight	4	4	275.00	3	high	M	29.00	2602	1
19	D	Ship	5	5	239.00	3	high	M	18.00	2495	1
24	F	Ship	4	3	211.00	3	high	M	12.00	3922	1
27	A	Ship	4	1	172.00	3	high	F	24.00	1066	1
37	D	Ship	3	5	137.00	4	high	F	62.00	1477	1
55	D	Ship	4	3	203.00	3	high	M	12.00	3539	1
59	C	Ship	5	5	141.00	3	high	M	41.00	1367	1
60	F	Ship	4	1	150.00	3	high	F	17.00	1923	1
65	C	Ship	4	5	261.00	2	high	M	49.00	3045	1
71	C	Ship	5	1	187.00	4	high	M	14.00	3849	1
83	C	Ship	4	4	217.00	3	high	F	26.00	2875	1
84	F	Ship	5	5	162.00	3	high	F	31.00	1364	1

delayed_imp_view 23 ×

Read Only

Output

Action Output

#	Time	Action	Message
78	13:17:01	create view delayed_imp_view as select * from ecommerce_shipping where Product_importance='high' and Re...	0 row(s) affected
79	13:17:04	select * from delayed_imp_view	111 row(s) returned

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14) Index on delivery status for faster filtering

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	ecommerce_shipping	NULL	ref	idx_delivery,idx_shipment,idx_mode_of_shipment	idx_delivery	5	const	1000	100.00	Using index

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15) Index on mode_of_shipment for group-by queries

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	ecommerce_shipping	NULL	index	idx_mode_shipment	idx_mode_shipment	43	NULL	1000	100.00	Using index

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