

1. Tables

• Fact sales_order

fact_salesorder

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Row	order_id	date	status	product_id	fulfillment_id	promotion_id	ship_service_id	sales_channel_id	qty	amount
1	408-3427536-9037101	2022-06-23	Shipped - Delivered to Buy...	c43c882b09424...	39b2275bdb09896...	02d1f095d95c24...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
2	408-3437785-2960360	2022-06-23	Shipped - Delivered to Buy...	2a2fb48071b4c...	39b2275bdb09896...	02d1f095d95c24...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
3	408-0526369-3850756	2022-06-23	Shipped - Delivered to Buy...	fb93015b356db...	39b2275bdb09896...	02d1f095d95c24...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
4	408-5420898-5957963	2022-06-23	Shipped - Delivered to Buy...	6b7702a9e27fa0...	39b2275bdb09896...	02d1f095d95c24...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
5	408-9235091-1157148	2022-06-23	Shipped - Delivered to Buy...	9c1cb85450ae1...	39b2275bdb09896...	02d1f095d95c24...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
6	408-7435198-2057138	2022-06-23	Shipped - Picked Up	6c8b7ef3b3e50...	39b2275bdb09896...	02d1f095d95c24...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
7	408-9970090-8725115	2022-04-07	Shipped - Delivered to Buy...	29d95a6dae434...	39b2275bdb09896...	04f19df2a3c0c2...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
8	408-7438332-0705158	2022-04-07	Shipped - Delivered to Buy...	53d951ff305f2f...	39b2275bdb09896...	04f19df2a3c0c2...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
9	408-2525013-0531555	2022-04-07	Shipped - Delivered to Buy...	f2efc143c99c3...	39b2275bdb09896...	04f19df2a3c0c2...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
10	408-7819804-3741113	2022-04-07	Shipped - Delivered to Buy...	cdbc3a52a4e2b...	39b2275bdb09896...	04f19df2a3c0c2...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
11	408-2324898-3425108	2022-06-18	Shipped - Delivered to Buy...	93a8b6d0dc3f9...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
12	408-5236112-1992334	2022-06-20	Shipped - Delivered to Buy...	5db0db5352bd0...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
13	408-6357760-6064311	2022-06-19	Shipped - Delivered to Buy...	0b15d25e7a529...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
14	408-3256231-2559513	2022-06-18	Shipped - Delivered to Buy...	0acb45fe56e3e...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
15	408-9348210-6553905	2022-06-20	Shipped - Delivered to Buy...	da98c947d3e44...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
16	408-5152096-7393106	2022-06-18	Shipped - Delivered to Buy...	bfcad0d1679efd...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
17	408-4360051-1233968	2022-06-19	Shipped - Delivered to Buy...	1cf1a0c4dbd68...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
18	408-3586716-5893950	2022-06-22	Shipped - Delivered to Buy...	2a2fb48071b4c...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
19	408-8959823-3157148	2022-06-22	Shipped - Delivered to Buy...	e3f995a994a7c...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
20	408-4695527-1776352	2022-06-20	Shipped - Delivered to Buy...	93be3003b2f1a...	39b2275bdb09896...	079ac3cad120a3...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0
21	408-7417006-1765046	2022-06-09	Shipped - Delivered to Buy...	463074a4b0a06...	39b2275bdb09896...	00c3ba9dff2cf6b57a323724d2b...	eb6d8aef20283755b339c0...	4f51cd3ba9dff2cf6b57a323724d2b...	1	0.0

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dim_product

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Row	product_id	style	sku	category	size
1	5088b4c3042be55e4841a0547...	AN204	AN204-PURPLE-L	Bottom	L
2	e145cb64c5eceb228aedc3d96...	AN207	AN207-PINK-L	Bottom	L
3	1f9eb1a1b682401b92c4d6118...	AN208	AN208-MUSTARD-L	Bottom	L
4	7c561853e58f17b945dce4c20...	AN211	AN211-BLACK-L	Bottom	L
5	e823121f64795e95112453a35...	AN212	AN212-WHITE-L	Bottom	L
6	a88d3ace3135c22f5a9e2b3e2...	AN213	AN213-BROWN-L	Bottom	L
7	8f66c432dafbc7b8a6c3f04b8...	BL087	BL087-L	Blouse	L
8	959a894a878a07e22ae20d73b...	BL099	BL099-L	Blouse	L
9	1cf52257307971c7d9c1f80d8...	BL102	BL102-L	Blouse	L
10	5abebe5e9f9f14d522b105559...	BL103	BL103-L	Blouse	L
11	efcc1309a3eb63527f17baa09...	BL104	BL104-L	Blouse	L
12	a2955334676d7eb062f9ddadd...	BL109	BL109-L	Blouse	L
13	9d4ed1d89fad35b9fadfca06f3...	BL110	BL110-L	Blouse	L

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dim_fulfillment

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Row	fulfillment_id	fulfillment	fulfilled_by
1	39b2275bdb098968954ab2b9...	Merchant	Easy Ship
2	007d340a832692d077d863fcf...	Amazon	null

- dim_sales_shipment

dim_sales_shipment

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Row	ship_service_id	ship_service
1	f059cac42ad8d8dec677b7834...	Expedited
2	eb6d8ae6f20283755b339c0dc...	Standard

- dim_sales_channel

dim_sales_channel

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Row	sales_channel_id	sales_channel
1	480dca0c67a2f362b072205f5...	Non-Amazon
2	4f51cd3ba9dff2cf6b57a32372...	Amazon.in

- dim_promotion

dim_promotion

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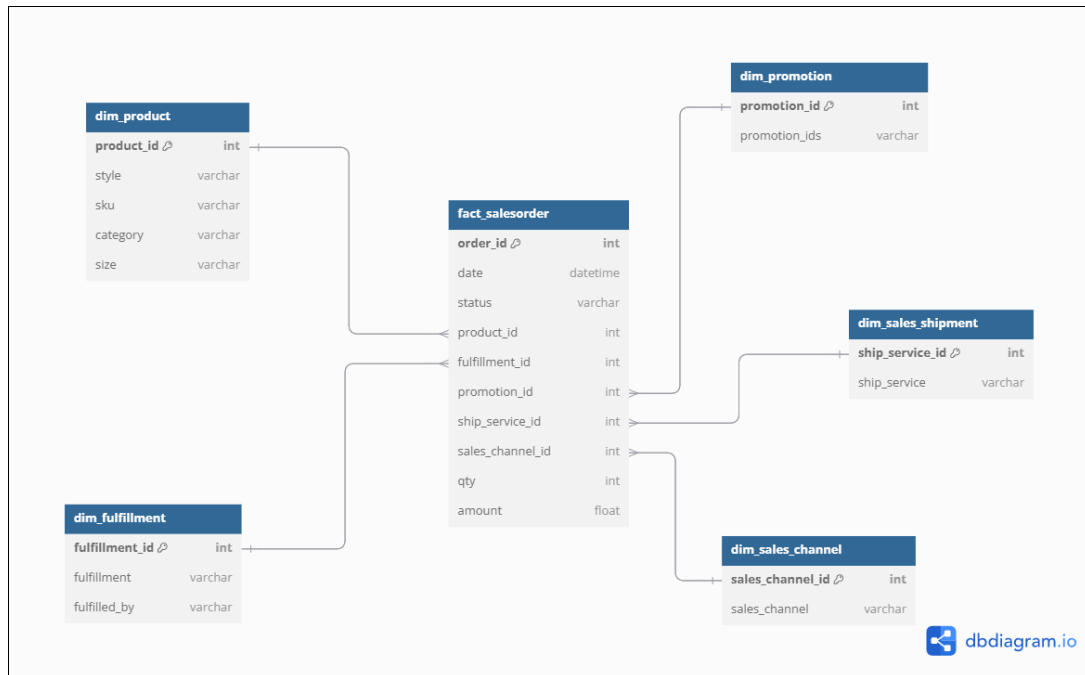
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Row	promotion_id	promotion_ids
1	7e70086032af94f5bbabd34c3...	Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,Amazon PLCC Free-Financing
2	d7cefc98efa9bfbcca5a2a4f5f8...	Amazon PLCC Free-Financing Universal Merchant AAT-5QQ7BIYYQEDN2,Amazon PLCC Free-Financing
3	827ac7a4b6c0eb8bf06cf4917...	Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,Amazon PLCC Free-Financing

2. ERD Schema



3. Query

- Mencari ship service yang paling banyak diminati

Untitled query ▶ RUN 📄 SAVE ⬇️ DOWNLOAD 👤 SHARE

```
1 -- the most favorable shipment type
2 SELECT d_ss.ship_service, COUNT(f_so.order_id) AS total_order
3 FROM `arboreal-tracer-442604-p3.dibimbing.fact_salesorder` AS f_so
4 INNER JOIN `arboreal-tracer-442604-p3.dibimbing.dim_sales_shipment` AS d
5 ON d_ss.ship_service_id = f_so.ship_service_id
6 GROUP BY d_ss.ship_service
7 ORDER BY 1 DESC;
```

Query results

JOB INFORMATION		RESULTS	CHART	JSON	EXECUTION DETAILS
Row	ship_service	total_order			
1	Standard	40360			
2	Expedited	88608			

- Mengetahui kategori produk yang paling banyak dibeli perbulannya

```

11 WITH sales_with_month AS (
12     SELECT
13         FORMAT_TIMESTAMP('%Y-%m', TIMESTAMP(date)) AS year_month,
14         d_p.category as category_product,
15         amount
16     FROM `arboreal-tracer-442604-p3.dibimbing.fact_salesorder` AS f_so
17     INNER JOIN `arboreal-tracer-442604-p3.dibimbing.dim_product` as d_p
18     ON f_so.product_id = d_p.product_id
19 )
20 , aggregated_data AS (
21     SELECT
22         year_month,
23         category_product,
24         SUM(amount) AS total_amount,
25         RANK() OVER (PARTITION BY year_month ORDER BY SUM(amount) DESC) AS rank_col
26     FROM sales_with_month
27     GROUP BY year_month, category_product
28 )
29 SELECT
30     year_month,
31     category_product,
32     total_amount
33 FROM aggregated_data
34 WHERE rank_col = 1;

```

Query results

JOB INFORMATION		RESULTS	CHART	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	year_month ▼	category_product ▼	total_amount ▼			
1	2022-05	Set	12643698.34999...			
2	2022-03	Set	53884.0			
3	2022-06	Set	10999866.11999...			
4	2022-04	Set	15506675.55999...			