1. Tables

- Fact sales_order

	Field name	Type	Mode	Key	Collation	Default Value	Policy Tags ❓	Descripti
☐	order_id	STRING	NULLABLE	-	-	-	-	-
☐	date	DATE	NULLABLE	-	-	-	-	-
☐	status	STRING	NULLABLE	-	-	-	-	-
☐	product_id	STRING	NULLABLE	-	-	-	-	-
☐	fulfillment_id	STRING	NULLABLE	-	-	-	-	-
☐	promotion_id	STRING	NULLABLE	-	-	-	-	-
☐	ship_service_id	STRING	NULLABLE	-	-	-	-	-
☐	sales_channel_id	STRING	NULLABLE	-	-	-	-	-
☐	qty	INTEGER	NULLABLE	-	-	-	-	-
☐	amount	FLOAT	NULLABLE	-	-	-	-	-

- dim_prodouct

≡ Filter Enter property name or value

	Field name	Type	Mode	Key	Collation	Def
☐	product_id	STRING	NULLABLE	-	-	-
☐	style	STRING	NULLABLE	-	-	-
☐	sku	STRING	NULLABLE	-	-	-
☐	category	STRING	NULLABLE	-	-	-
☐	size	STRING	NULLABLE	-	-	-

- dim_fulfilment

≡ Filter Enter property name or value

	Field name	Type	Mode	Key	C
☐	fulfillment_id	STRING	NULLABLE	-	-
☐	fulfillment	STRING	NULLABLE	-	-
☐	fulfilled_by	STRING	NULLABLE	-	-

- dim_sales_shipment

	Field name	Type	Mode	Key
☐	ship_service_id	STRING	NULLABLE	-
☐	ship_service	STRING	NULLABLE	-

- dim_sales_channel

	Field name	Type	Mode	Key
☐	sales_channel_id	STRING	NULLABLE	-
☐	sales_channel	STRING	NULLABLE	-

- dim_promotion

	Field name	Type	Mode	Key	Collat
☐	promotion_id	STRING	NULLABLE	-	-
☐	promotion_ids	STRING	NULLABLE	-	-

2. ERD Schema
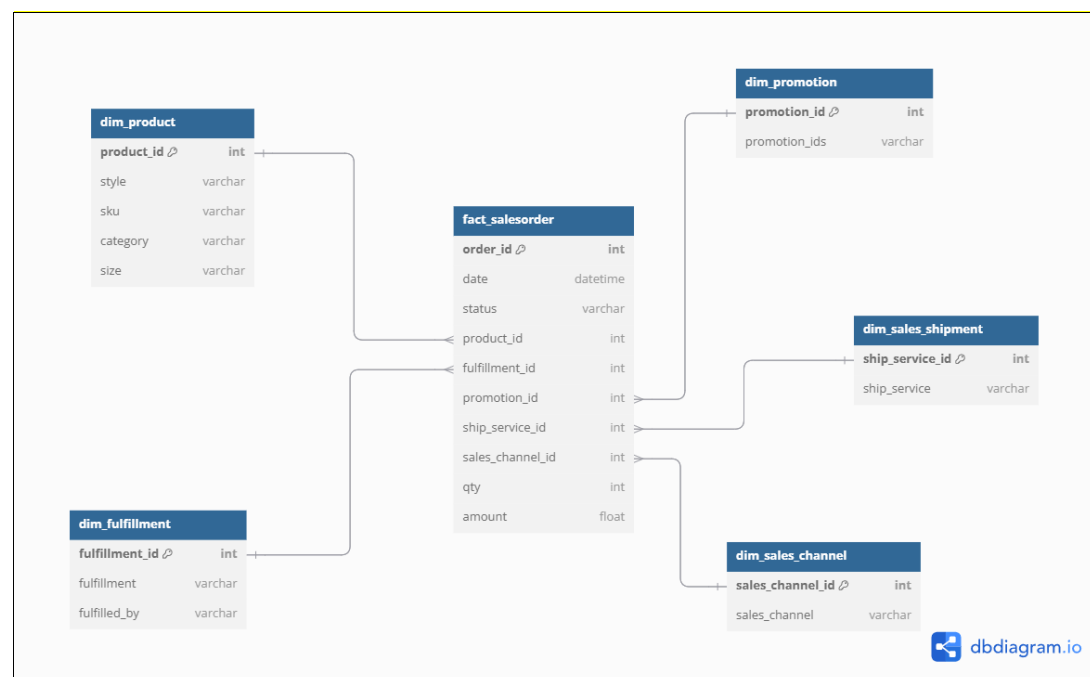
3. Query
- Mencari ship service yang paling banyak diminati

```
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

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...