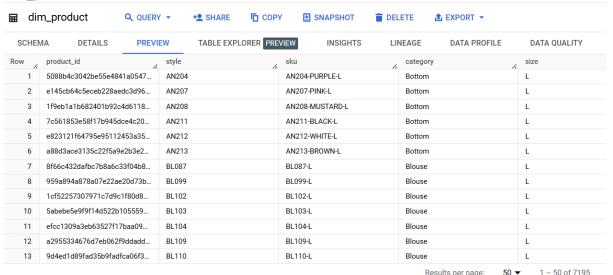1. Tables
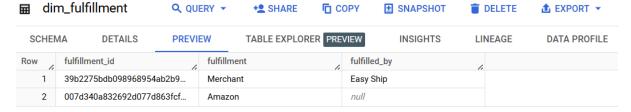
- Fact sales_order



- dim_prodouct



- dim_fulfilment

- dim_sales_shipment

### dim_sales_shipment    Q QUERY ▾    +≗ SHARE    ⧉ COPY

| SCHEMA | DETAILS | PREVIEW | TABLE EXPLORER PREVIEW |

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

- dim_sales_channel

### dim_sales_channel    Q QUERY ▾    +≗ SHARE    ⧉ COPY

| SCHEMA | DETAILS | PREVIEW | TABLE EXPLORER PREVIEW |

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

- dim_promotion

### dim_promotion    Q QUERY ▾    +≗ SHARE    ⧉ COPY

| SCHEMA | DETAILS | PREVIEW | TABLE EXPLORER PREVIEW |

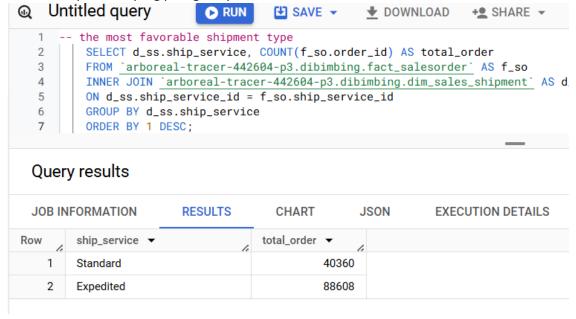| Row | promotion_id | promotion_ids |
| --- | --- | --- |
| 1 | 7e70086032af94f5bbabd34c3... | Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,Amazon PLCC Free-Financing |
| 2 | d7cefc98efa9bfbbca5a2a4f5f8... | Amazon PLCC Free-Financing Universal Merchant AAT-5QQ7BIYYQEDN2,Amazon PLCC Free-Financing |
| 3 | 827ac7a4b6c0eb8bf06cf4917... | Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,A |

2. ERD Schema



3. Query
- Mencari ship service yang paling banyak diminati

- 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… |