

## Task 1: Explore thelook\_gcda Dataset

### Objective

In this task, you will explore the 'thelook\_gcda' dataset and run a SQL query to identify swimwear products sold in June 2023. The goal is to retrieve relevant sales data by joining two tables and filtering out returned or canceled orders.

### Steps Involved

1. Open the Google Cloud Console and navigate to BigQuery > Studio.
2. In the Explorer pane, expand your project and locate the 'thelook\_gcda' dataset.
3. Explore the 'products' and 'order\_items' tables to understand their schema.
4. Identify 'product\_id' as the common column to join 'order\_items' with 'products'.
5. Open a new SQL query tab and run the provided query to retrieve swimwear sales data for June 2023.
6. Use Looker Studio to visualize the query results.
7. Click 'Check my progress' to verify task completion.

### SQL Query Used

```
SELECT o.order_id, p.name, p.brand, o.sale_price, o.created_at, o.status
FROM `thelook_gcda.order_items` AS o
JOIN `thelook_gcda.products` AS p ON o.product_id = p.id
WHERE UPPER(p.category) LIKE "SWIM"
AND UPPER(o.status) NOT IN ('RETURNED', 'CANCELED', 'CANCELLED')
AND o.created_at >= '2023-06-01'
AND o.created_at < '2023-07-01';
```

### Visualization in Looker Studio

After running the query, use the 'Open In' option in the Query results pane to launch Looker Studio. This allows you to create visual reports based on the swimwear sales data retrieved from BigQuery.