

1. (0) Upload the data into BigQuery Table (Hands on: Exercise)

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Search BigQuery resources

Viewing resources. SHOW STARRED ONLY

- External connections
- bronze
- amazon_sale_rep...
- dibimbing
 - dim_fulfillment
 - dim_product
 - dim_promotion
 - dim_sales_channel

SUMMARY

amazon_sale_... QUERY | SHARE | COPY | SNAPSHOT | DELETE | EXPORT

SCHEMA DETAILS PREVIEW TABLE EXPLORER PREVIEW INSIGHTS LINEAGE DATA PROFILE

Row	index	Order ID	Date	Status	Fulfillment	Sales
1	96150	408-4631753-5605964	2022-06-25	Pending	Amazon	Ama:
2	91239	404-2093011-6135513	2022-06-29	Pending	Merchant	Ama:
3	91223	407-7926766-7601961	2022-06-29	Pending	Amazon	Ama:
4	91459	402-1067136-1825927	2022-06-29	Pending	Merchant	Ama:

2. (0) Build table dim_fulfillment using DBT (Hands on: Exercise)

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 - dim_sales_channel
 - dim_sales_shipm...
 - fact_salesorder
- dibimbing_data_mode...

dim_fulfillment QUERY | SHARE | COPY | SNAPSHOT | DELETE | EXPORT

SCHEMA DETAILS PREVIEW TABLE EXPLORER PREVIEW INSIGHTS LINEAGE DATA PROFILE

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

3. (0) Build table dim_product using DBT (Hands on: Exercise)

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- amazon_sale_rep...
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- dim_fulfillment
- dim_product**
- dim_promotion
- dim_sales_channel
- dim_sales_shipm...
- fact_salesorder
- dibimbing_data_mode...

dim_product QUERY SHARE COPY SNAPSHOT DELETE EXPORT

SCHEMA DETAILS PREVIEW TABLE EXPLORER PREVIEW INSIGHTS LINEAGE DATA PROFILE

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	8f66c432dafbc7b8a6c33f04b8...	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	efcc1309a3eb63527f17baa09e...	BL104	BL104-L	Blouse	L

4. (10) Build table dim_promotion using DBT

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- dim_product
- dim_promotion**
- dim_sales_channel
- dim_sales_shipm...
- fact_salesorder

dim_promotion QUERY SHARE COPY SNAPSHOT DELETE EXPORT

SCHEMA DETAILS PREVIEW TABLE EXPLORER PREVIEW INSIGHTS LINEAGE DATA PROFILE

Row	promotion_id	promotion_ids
1	9f83462c2dce8ada8d5c72723...	Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,Amazon PLCC Free-Financing Universal Merchant AAT-QX3UCCJESKPA2,Amazon PLCC Free-Financing Universal Merchant AAT-5QQ7BIYYQEDN2,Amazon PLCC Free-Financing Universal Merchant AAT-DSJ2QRXXWVMQ,Amazon PLCC Free-Financing Universal Merchant...
2	05c5a0eca1dfbbefb819f343f3...	Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,Amazon PLCC Free-Financing Universal Merchant AAT-QX3UCCJESKPA2,Amazon PLCC Free-Financing Universal Merchant AAT-5QQ7BIYYQEDN2,Amazon PLCC Free-Financing Universal Merchant AAT-DSJ2QRXXWVMQ,Amazon PLCC Free-Financing Universal Merchant...
3	5eb54aaa402bc93e5961044b7...	Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,Amazon PLCC Free-Financing Universal Merchant AAT-QX3UCCJESKPA2,Amazon PLCC Free-Financing Universal Merchant AAT-5QQ7BIYYQEDN2,Amazon PLCC Free-Financing Universal Merchant AAT-DSJ2QRXXWVMQ,Amazon PLCC Free-Financing Universal Merchant...

5. (10) Build table dim_sales_shipment using DBT

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- dibimbing
- dim_fulfillment
- dim_product
- dim_promotion
- dim_sales_channel
- dim_sales_shipm...**
- fact_salesorder

SUMMARY

dim_sales_shi... QUERY SHARE COPY SNAPSHOT DELETE

SCHEMA DETAILS PREVIEW TABLE EXPLORER PREVIEW INSIGHTS LINEAGE DATA PROFILE

Row	sales_shipment_id	asin	ship_postal_cod	ship_city	ship_state
22	ce67ecd3c5fc0a29b17b4d2c2...	B08ZHWQWSW	411008.0	PUNE	MAHARASHTRA
23	8b171eee54a26009630bf006b...	B08YZ2SBPM	411008.0	PUNE	MAHARASHTRA
24	d3cd5c9c9e529be8acc54ee58...	B099NR3NXY	395008.0	Surat	Gujarat
25	5b950e4b860b06a730460668...	B09Y3G52V3	181152.0	Jammu	JAMMU & KASHMIR
26	28d2f7f96ed64e95eda7f37937...	B09K3L9Z85	181152.0	JAMMU and kashmir	JAMMU & KASHMIR
27	1c2aa6db1a9ee7d6f26d4c595...	B09K3VNXNN	530048.0	MADHURAWADA	ANDHRA PRADESH
28	4a44a1eefae957dd8fca098cd2...	B08N1CBW4L	530048.0	MADHURAWADA	ANDHRA PRADESH
29	3e7708c94514df128825ed779...	B09M6SDYDS	530048.0	MADHURAWADA	ANDHRA PRADESH
30	95d4993dbb752471a14f44f92...	B07ZYSLVSQ	530048.0	Visakhapatnam	ANDHRA PRADESH
31	08cb7cf357124b4f43fed80478...	B08B3XF5MH	530048.0	MADHURAWADA	ANDHRA PRADESH
32	ec8682c51eddf3734dc4b76e...	B0983292DV	530048.0	visakhapatnam	ANDHRA PRADESH

6. (10) Build table dim_sales_channel using DBT

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Viewing resources. SHOW STARRED ONLY

- bronze
- amazon_sale_rep...
- dibimbing
- dim_fulfillment
- dim_product
- dim_promotion
- dim_sales_channel**
- dim_sales_shipm...
- fact_salesorder

dim_sales_ch... QUERY SHARE COPY SNAPSHOT DELETE

SCHEMA DETAILS PREVIEW TABLE EXPLORER PREVIEW INSIGHTS LINEAGE DATA PROFILE

Row	sales_chanel_id	sales_chanel
1	4f51cd3ba9dff2cf6b57a32372...	Amazon.in
2	480dca0c67a2f362b072205f5...	Non-Amazon

7. (30) Build table fact_salesorder using DBT

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Viewing resources. SHOW STARRED ONLY

- bronze
 - amazon_sale_rep...
- dibimbing
 - dim_fulfillment
 - dim_product
 - dim_promotion
 - dim_sales_channel
 - dim_sales_shipm...
 - fact_salesorder**

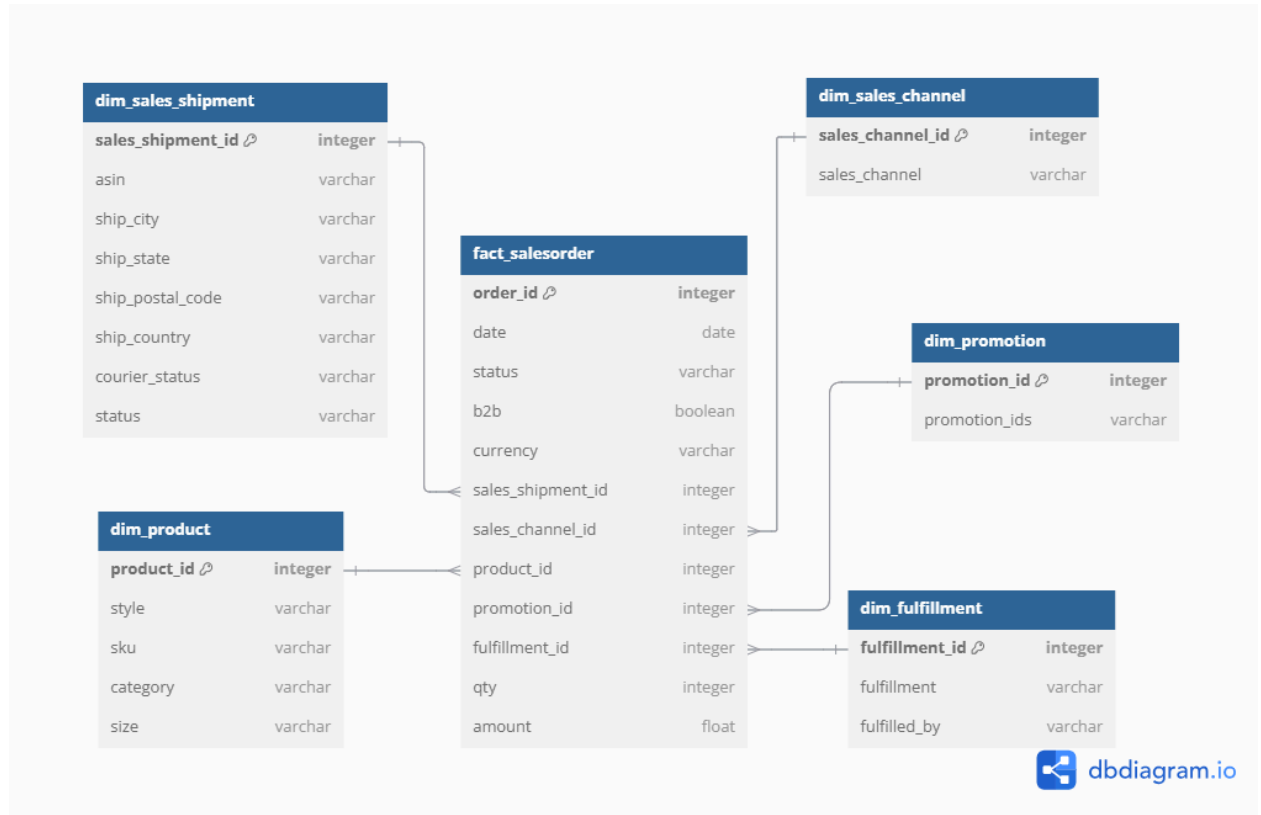
SUMMARY

fact_salesorder QUERY SHARE COPY SNAPSHOT DELETE

SCHEMA DETAILS PREVIEW TABLE EXPLORER PREVIEW INSIGHTS LINEAGE DATA PROFILE

Row	order_id	date	status	b2b	currency	product_id
1	402-7083393-9255567	2022-06-29	Pending	false	INR	00109f4c721c
2	405-1264833-6930766	2022-06-29	Pending	false	INR	001b6d65335
3	408-4199864-2677100	2022-06-29	Pending	false	INR	003ad2c2943
4	404-9509429-1100360	2022-06-29	Pending	false	INR	00439a508dc
5	171-6438077-5101921	2022-06-29	Pending	false	INR	00439a508dc
6	404-9527406-0759550	2022-06-29	Pending	false	INR	005f3486f0f0
7	407-1408251-4150765	2022-06-29	Pending	false	INR	005f3486f0f0
8	404-5545664-9871540	2022-06-29	Pending	false	INR	005f3486f0f0
9	171-6282416-9160308	2022-06-29	Pending	false	INR	0079b502b53
10	402-7256042-9732327	2022-06-29	Pending	false	INR	008d6ac760d
11	404-1115518-6924343	2022-06-29	Pending	false	INR	011dc2eec05
12	404-1600597-9581902	2022-06-29	Pending	false	INR	02688ee1aa8

8. (30) Create an ERD for the Star Schema.



9. (10) Create an Analysis using Star Schema ex Top Selling Products etc.

-- 1) Top 5 Selling Product Category by QTY

```
select dp.category, sum(fs.qty) qty, sum(fs.amount) amount from
dibimbing.fact_salesorder fs
left join `dibimbing.dim_product` dp on fs.product_id = dp.product_id
group by 1
order by 2 desc
limit 5;
```

The screenshot shows the Google Cloud BigQuery console interface. At the top, there's a search bar and navigation links. The main area is divided into three sections: Explorer, Query Editor, and Query Results.

Explorer: Shows a tree view of resources. Under the 'dibimbing' dataset, several tables are listed, including 'dim_product'.

Query Editor: Contains the SQL query for the top 5 selling product categories by quantity.

Query Results: Displays the results of the query in a table format. The table has columns for 'Row', 'category', 'qty', and 'amount'.

Row	category	qty	amount
1	Set	45289	39204124.029999688
2	kurta	45045	21299546.700000003
3	Western Dress	13943	11216072.6900000072
4	Top	9903	5347792.2999999989
5	Ethnic Dress	1053	791217.66

-- 2) Total transaction by ship service level

```
select dss.ship_service_level, count(fs.order_id) cnt from
dibimbing.fact_salesorder fs
left join `dibimbing.dim_sales_shipment` dss on fs.sales_shipment_id =
dss.sales_shipment_id
group by 1
order by 2 desc;
```

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- Workflows
- External connections
- bronze
 - amazon_sale_rep...
- dibimbing
 - dim_fulfillment
 - dim_product
 - dim_promotion

Untitled query RUN SAVE DOWNLOAD SHARE

```

6 limit 5;
7
8 -- Total transaction by ship service level
9 select dss.ship_service_level, count(fs.order_id) cnt from dibimbing.fact_salesorder fs
10 left join `dibimbing.dim_sales_shipment` dss on fs.sales_shipment_id = dss.sales_shipment_id
11 group by 1
12 order by 2 desc;
13

```

Press Alt+F1 for Accessibility Options.

Query results SAVE RESULTS EXPLORE DATA

JOB INFORMATION RESULTS CHART JSON EXECUTION DETAILS EXECUTION GRAPH

Row	ship_service_level	cnt
1	Expedited	7381851
2	Standard	3640159

-- 3) Top 3 promotion applied

```

select dp.promotion_ids, count(fs.order_id) cnt from dibimbing.fact_salesorder
fs
join `dibimbing.dim_promotion` dp on fs.promotion_id = dp.promotion_id
where dp.promotion_ids is not null
group by 1
order by 2 desc
limit 3

```

Google Cloud

My First Project

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Search

2

Search BigQuery resources

Viewing resources.
SHOW STARRED ONLY

Workflows

External connections

bronze

- amazon_sale_rep...

dibimbing

- dim_fulfillment
- dim_product
- dim_promotion

SUMMARY

Nothing currently selected

```
14 -- Top 3 promotion applied
15 select dp.promotion_ids, count(fs.order_id) cnt from dibimbing.fact_salesorder fs
16 join `dibimbing.dim_promotion` dp on fs.promotion_id = dp.promotion_id
17 where dp.promotion_ids is not null
18 group by 1
19 order by 2 desc
20 limit 3
21
```

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

CHART

JSON

EXECUTION DETAILS

EXECUTION GRAPH

Row	promotion_ids	cnt
1	IN Core Free Shipping 2015/04/08 23-48-5-108	46097
2	Duplicated A12RHGVGRWOT3S 1560498941486	489
3	Amazon PLCC Free-Financing Universal Merchant AAT-WNKTBO3K27EJC,Amazon PLCC Free-Financing Universal Merchant AAT-QX3UCCJESKPA2,Amazon PLCC Free-Financing Universal Merchant AAT-CXJHMC2YJUK76,Amazon PLCC Free-Financing Universal Merchant AAT-CC4FAVTYR4X7C,Amazon PLCC Free-Financing Universal Merchant AAT-	458

Results per page: 50 1 - 3 of 3

Job history

REFRESH