

Schema

BigQuery - NCPL - Google Cloud

console.cloud.google.com/bigquery?referrer=search&authuser=1&project=ncpl-420514&ws=11m511m414m311sncl-42051412sproject113scustomer_sales

Study PR French The Original Online...

Google Cloud NCPL

big query

Search

2

F

Explorer

Type to search

Viewing resources. SHOW STARRED ONLY

ncpl-420514

Queries

Notebooks

Data canvases

External connections

project1

customer_sales

raw_1

raw_data

SUMMARY

customer_sales

ncpl-420514.project1

Last May 27, 2024,

modified 8:52:09 PM UTC+5:30

Data asia-south1

location

New code-management features

customer_sales

QUERY

SHARE

COPY

SNAPSHOT

DELETE

EXPORT

REFRESH

SCHEMA

DETAILS

PREVIEW

LINEAGE

DATA PROFILE

DATA QUALITY

Filter Enter property name or value

<input type="checkbox"/>	Field name	Type	Mode	Key	Collation	Default Value	Policy Tags	Description
<input type="checkbox"/>	invoice_no	STRING	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	customer_id	STRING	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	gender	STRING	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	age	INTEGER	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	category	STRING	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	quantity	INTEGER	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	price	FLOAT	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	payment_method	STRING	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	invoice_date	DATE	NULLABLE	-	-	-	-	-
<input type="checkbox"/>	shopping_mall	STRING	NULLABLE	-	-	-	-	-

EDIT SCHEMA

VIEW ROW ACCESS POLICIES

Job history

REFRESH

Preview Data

BigQuery - NCPL - Google Cloud

Project 1 - Google Docs

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DATA PROFILE

DATA QUALITY

Row	invoice_no	customer_id	gender	age	category	quantity	price
1	I130454	C155210	Male	18	Technology	1	1050.0
2	I125572	C34714	Male	18	Technology	1	1050.0
3	I100911	C330379	Female	18	Technology	1	1050.0
4	I139376	C115765	Male	18	Technology	1	1050.0
5	I101070	C330130	Female	18	Technology	1	1050.0
6	I607327	C145261	Male	18	Technology	1	1050.0
7	I333240	C182258	Female	18	Technology	1	1050.0
8	I280897	C350740	Female	18	Technology	1	1050.0
9	I100501	C338282	Female	18	Technology	1	1050.0
10	I250096	C256620	Male	18	Technology	1	1050.0
11	I263649	C138677	Male	18	Technology	1	1050.0
12	I196091	C856360	Female	18	Technology	1	1050.0
13	I112437	C227952	Female	18	Technology	1	1050.0
14	I638299	C192751	Female	18	Technology	1	1050.0
15	I302497	C460321	Female	18	Technology	1	1050.0
16	I296108	C311255	Female	18	Technology	1	1050.0

Results per page: 50 1 - 50 of 99457

Job history

REFRESH

Total sales by category

BigQuery - NCPL - Google Cloud | Project 1 - Google Docs

console.cloud.google.com/bigquery?referrer=search&authuser=1&project=ncpl-420514&ws=1m51m4m31sncpl-420514/2sproject113scustomer_sales

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Explorer

Viewing resources. SHOW STARRED ONLY

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Nothing currently selected

Untitled query

```
1 SELECT category, SUM(price * quantity) AS total_sales_category
2 FROM `ncpl-420514.project1.customer_sales`
3 GROUP BY category;
```

Query completed.

Query results

JOB INFORMATION RESULTS CHART JSON EXECUTION DETAILS EXECUTION GRAPH

Row	category	total_sales_category
1	Technology	57862350.0
2	Books	834552.8999999...
3	Cosmetics	6792862.899999...
4	Souvenir	635824.6499999...
5	Shoes	66553451.47000...
6	Clothing	113996791.0399...
7	Food & Beverage	849535.0500000...

Job history

REFRESH

Total sales by gender

BigQuery - NCPL - Google Cloud | Project 1 - Google Docs

console.cloud.google.com/bigquery?referrer=search&authuser=1&project=ncpl-420514&ws=1m191m4m31sncpl-420514/2sproject113scustomer_sales1m41m31sncpl-420514/...

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Explorer

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Nothing currently selected

Untitled query

```
1 SELECT gender, SUM(price * quantity) AS total_sales_gender
2 FROM `ncpl-420514.project1.customer_sales`
3 GROUP BY gender;
```

This query will process 2.2 MB when run.

Query results

JOB INFORMATION RESULTS CHART JSON EXECUTION DETAILS EXECUTION GRAPH

Row	gender	total_sales_gender
1	Male	101298658.229995
2	Female	150207136.01998773

Job history

REFRESH

Filtering Data

BigQuery - NCPL - Google Cloud | Project 1 - Google Docs

console.cloud.google.com/bigquery?referrer=search&authuser=1&project=ncpl-420514&ws=1m151m4m31sncl-4205142project113scustomer_sales1m41m31sncl-420514...

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Explorer

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SUMMARY

Nothing currently selected

Untitled query

```
1 SELECT *
2 FROM `ncpl-420514.project1.customer_sales`
3 WHERE shopping_mall = "Mall of Istanbul" AND invoice_date BETWEEN DATE("2023-01-01") AND DATE("2023-12-31");
```

Query results

SAVE RESULTS EXPLORE DATA

Row	age	category	quantity	price	payment_method	invoice_date	shopping_mall
1	18	Technology	2	2100.0	Credit Card	2023-03-08	Mall of Istanbul
2	18	Technology	2	2100.0	Cash	2023-01-10	Mall of Istanbul
3	18	Technology	5	5250.0	Cash	2023-02-28	Mall of Istanbul
4	18	Books	5	75.75	Cash	2023-02-08	Mall of Istanbul
5	18	Books	5	75.75	Cash	2023-02-21	Mall of Istanbul
6	18	Cosmetics	2	81.32	Debit Card	2023-01-15	Mall of Istanbul
7	18	Cosmetics	2	81.32	Credit Card	2023-03-06	Mall of Istanbul
8	18	Cosmetics	2	81.32	Cash	2023-01-25	Mall of Istanbul
9	18	Cosmetics	4	162.64	Cash	2023-01-21	Mall of Istanbul

Results per page: 50 1 - 10 of 1715

Job history

Average Purchase Amount by Customer

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Google Cloud | NCPL | big query

Explorer

Viewing resources. SHOW STARRED ONLY

ncpl-420514

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SUMMARY

Nothing currently selected

Untitled query

```
1 SELECT customer_id, AVG(price * quantity) AS avg_purchase_amt
2 FROM `ncpl-420514.project1.customer_sales`
3 GROUP BY customer_id;
```

Query results

SAVE RESULTS EXPLORE DATA

Row	customer_id	avg_purchase_amt
1	C155210	1050.0
2	C334714	1050.0
3	C330379	1050.0
4	C115765	1050.0
5	C330130	1050.0
6	C145261	1050.0
7	C182258	1050.0
8	C350740	1050.0
9	C338282	1050.0
10	C256620	1050.0
11	C138677	1050.0
12	C856360	1050.0

Results per page: 50 1 - 50 of 99457

Job history

Partitioning and Clustering

The screenshot shows the Google Cloud BigQuery console interface. On the left, the Explorer pane displays the project hierarchy, including a dataset named 'customer_sales'. The main editor area shows a SQL query:

```
1 CREATE TABLE `ncpl-420514.project1.customer_sales_partitioned`  
2 PARTITION BY invoice_date  
3 CLUSTER BY gender  
4 AS  
5 SELECT * FROM `ncpl-420514.project1.customer_sales`;
```

The query has been executed successfully, as indicated by the 'Query completed' status. Below the query editor, the 'Query results' section shows a message: 'This statement created a new table named customer_sales_partitioned.' A 'GO TO TABLE' button is available. A notification banner at the bottom states: 'customer_sales_partitioned deleted.'

Modify Schema

The screenshot shows the Google Cloud BigQuery console interface, specifically the 'customer_sales' table schema page. The 'SCHEMA' tab is selected, displaying a table with the following columns:

Field name	Type	Mode	Key	Collation	Default Value	Policy Tags	Description
invoice_no	STRING	NULLABLE	-	-	-	-	-
customer_id	STRING	NULLABLE	-	-	-	-	-
gender	STRING	NULLABLE	-	-	-	-	-
age	INTEGER	NULLABLE	-	-	-	-	-
category	STRING	NULLABLE	-	-	-	-	-
quantity	INTEGER	NULLABLE	-	-	-	-	-
price	FLOAT	NULLABLE	-	-	-	-	-
payment_method	STRING	NULLABLE	-	-	-	-	-
invoice_date	DATE	NULLABLE	-	-	-	-	-
shopping_mall	STRING	NULLABLE	-	-	-	-	-
location	STRING	NULLABLE	-	-	-	-	-

Buttons for 'EDIT SCHEMA' and 'VIEW ROW ACCESS POLICIES' are visible at the bottom of the schema view.