



PROJECT III

HILDA MEIRANITA PRASTIKA DEWI



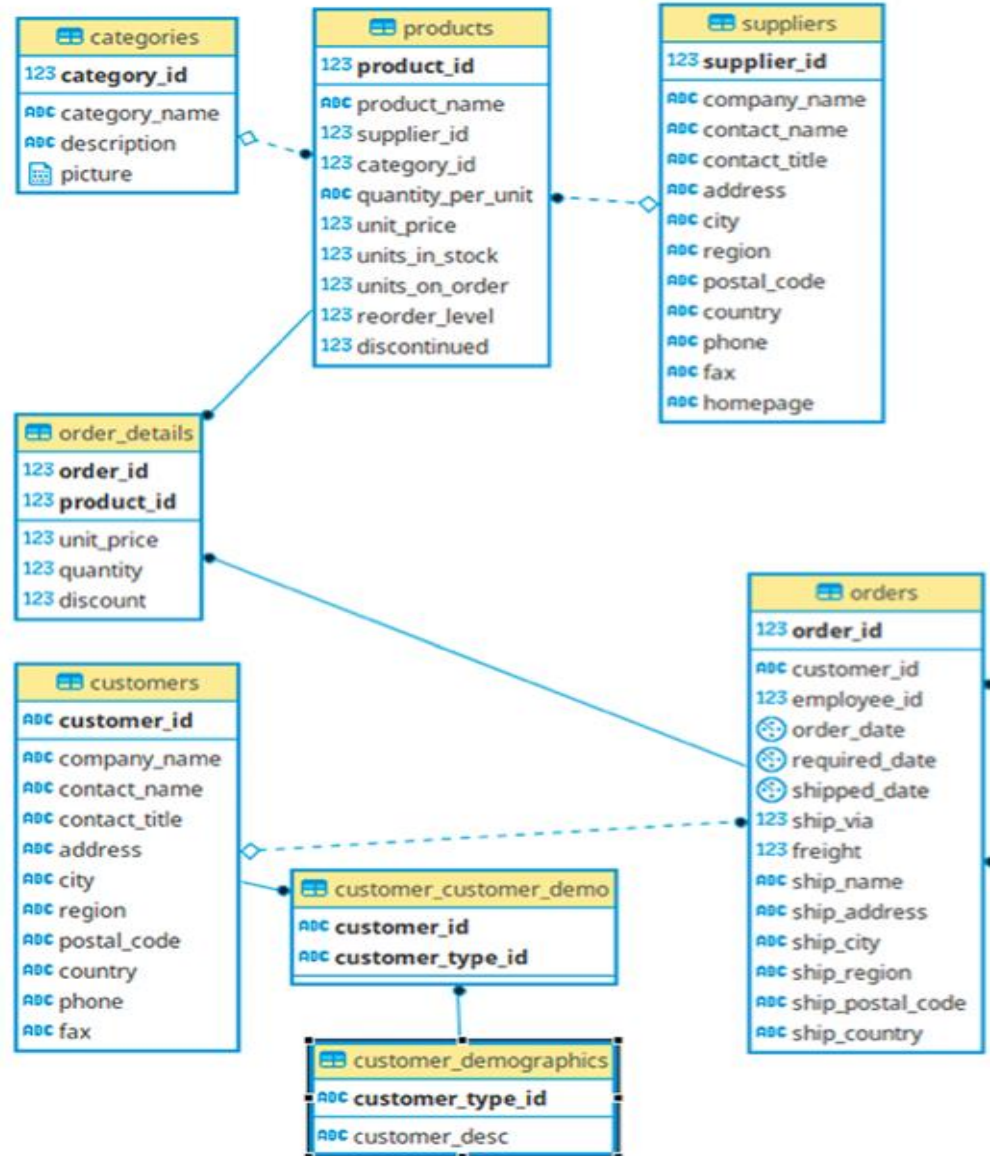
Dashboard Report

1. Column chart supplier (company_name) gross revenue tiap bulan
(datamart_monthly_supplier_gross_revenue_hilda)
2. Tabel kategori produk paling banyak terjual tiap bulan
(datamart_monthly_category_sold_hilda)
3. Geo map negara (ship_countru) pembelian berdasarkan gross revenue per bulan
(datamart_monthly_country_gross_revenue_hilda)
4. Line chart gross revenue total per hari dalam satu bulan
(datamart_daily_gross_revenue_hilda)

Gross revenue = (Harga – Diskon)*Jumlah Barang)

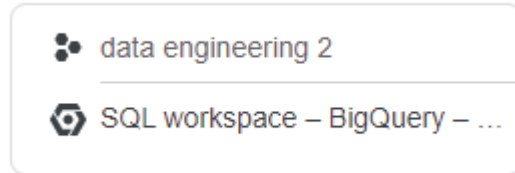
****Diskon -> persen 0.1 = 10%**

Relasi antar tabel

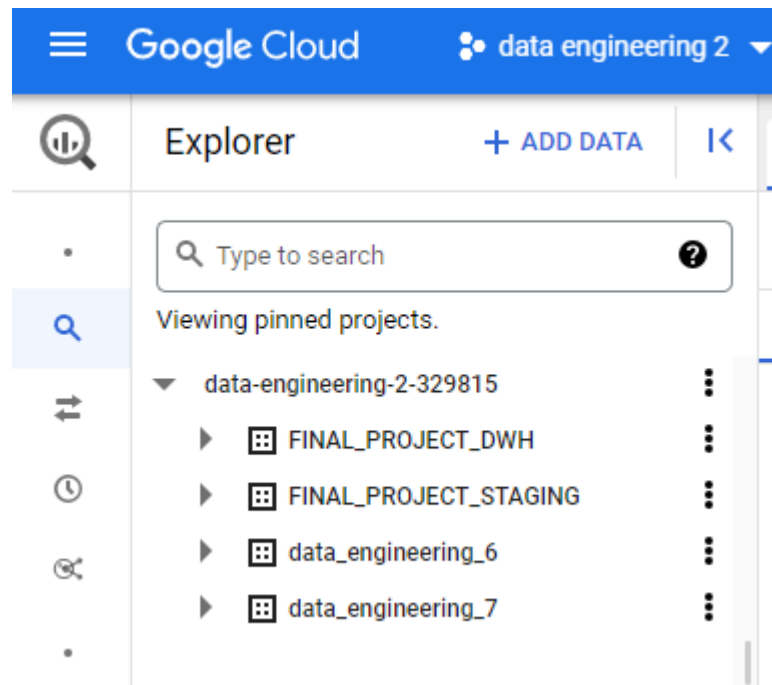


Setting up data source to data studio

1. Membuka Google Cloud Platform. Pilih data engineering 2



2. Membuat query pada table data_engineering_6



Setting up data source to data studio

3. Membuat tabel

(datamart_monthly_supplier_gross_revenue_hilda)

```
1 create table `data-engineering-2-329815.data_engineering_6.`  
  datamart_monthly_supplier_gross_revenue_hilda` as  
2 SELECT d.company_name,  
3 extract(MONTH FROM order_date) as month,  
4 extract(YEAR FROM order_date) as year,  
5 sum((1-discount) * b.unit_price * b.quantity) as gross_revenue  
6 FROM `data-engineering-2-329815.data_engineering_6.orders` as a  
7 join `data-engineering-2-329815.data_engineering_6.order_details` as b  
8 on a.order_id = b.order_id  
9 join `data-engineering-2-329815.data_engineering_6.products` as c  
10 on b.product_id = c.product_id  
11 join `data-engineering-2-329815.data_engineering_6.suppliers` as d  
12 on c.supplier_id = d.supplier_id  
13 group by d.company_name,month,year
```

4. Membuat tabel

(datamart_monthly_category_sold_hilda)

```
1 create table `data-engineering-2-329815.data_engineering_6.`  
  datamart_monthly_category_sold_hilda` as  
2 SELECT d.category_name,  
3 extract(MONTH FROM order_date) as month,  
4 extract(YEAR FROM order_date) as year,  
5 sum(b.quantity) as quantity  
6 FROM `data-engineering-2-329815.data_engineering_6.orders` as a  
7 join `data-engineering-2-329815.data_engineering_6.order_details` as b  
8 on a.order_id = b.order_id  
9 join `data-engineering-2-329815.data_engineering_6.products` as c  
10 on b.product_id = c.product_id  
11 join `data-engineering-2-329815.data_engineering_6.categories` as d  
12 on c.category_id = d.category_id  
13 group by d.category_name,month,year
```

Setting up data source to data studio

3. Membuat tabel (datamart_monthly_country_gross_revenue_hilda)

```
1 create table `data-engineering-2-329815.data_engineering_6.`  
  datamart_monthly_country_gross_revenue_hilda` as  
2 SELECT a.ship_country,  
3 extract(MONTH FROM order_date) as month,  
4 extract(YEAR FROM order_date) as year,  
5 sum((1-discount) * b.unit_price * b.quantity) as gross_revenue  
6 FROM `data-engineering-2-329815.data_engineering_6.orders` as a  
7 join `data-engineering-2-329815.data_engineering_6.order_details` as b  
8 on a.order_id = b.order_id  
9 group by a.ship_country,month,year
```

4. Membuat tabel (datamart_daily_gross_revenue_hilda)

```
1 create table `data-engineering-2-329815.data_engineering_6.`  
  datamart_daily_gross_revenue_hilda` as  
2 SELECT a.order_date,  
3 extract(MONTH FROM order_date) as month,  
4 extract(YEAR FROM order_date) as year,  
5 sum((1-discount) * b.unit_price * b.quantity) as gross_revenue  
6 FROM `data-engineering-2-329815.data_engineering_6.orders` as a  
7 join `data-engineering-2-329815.data_engineering_6.order_details` as b  
8 on a.order_id = b.order_id  
9 group by a.order_date,month,year
```

Setting up data source to data studio

5. Mengimport data pada google cloud platform ke data studio. Pilih BigQuery ketika mengimport data pada data studio



BigQuery

Oleh Google

BigQuery adalah gudang data analisis dari Google yang sepenuhnya terkelola, berskala petabyte, dan berbiaya rendah. BigQuery mengenakan biaya untuk pembuatan kueri/pemrosesan data. Biaya kueri tersebut ditagihkan ke kartu kredit yang digunakan untuk tagihan project.

[PELAJARI SELENGKAPNYA](#)

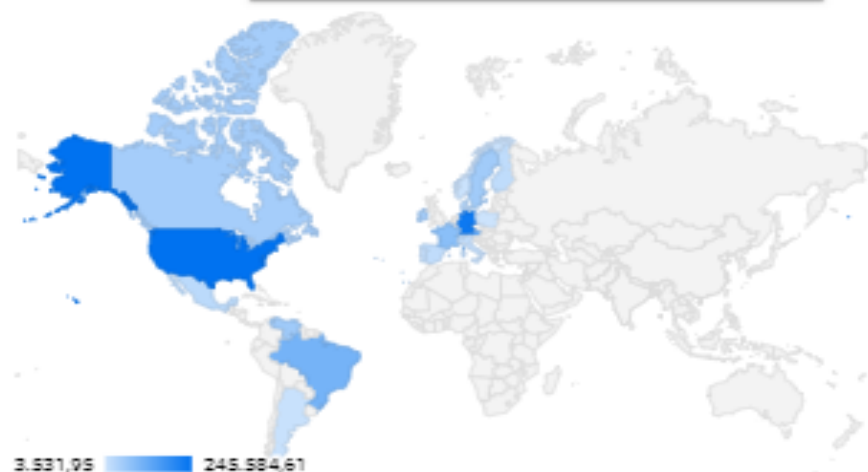
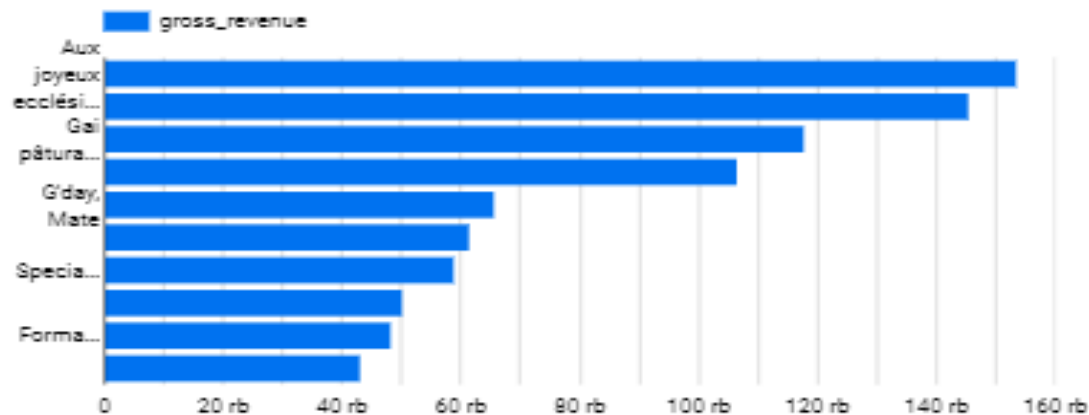
[LAPORKAN MASALAH](#)

PROJECT TERBARU	Proyek	Set data	hilda
PROYEK SAYA	Masukkan ID Project secara manual	FINAL_PROJECT_DWH	datamart_daily_gross_revenue_hilda
PROYEK BERSAMA	data engineering 2	FINAL_PROJECT_STAGING	datamart_monthly_category_sold_hilda
KUERI KUSTOM		data_engineering_6	datamart_monthly_country_gross_revenue...
SET DATA UMUM		data_engineering_7	datamart_monthly_supplier_gross_revenue...

Datamart Monthly Report

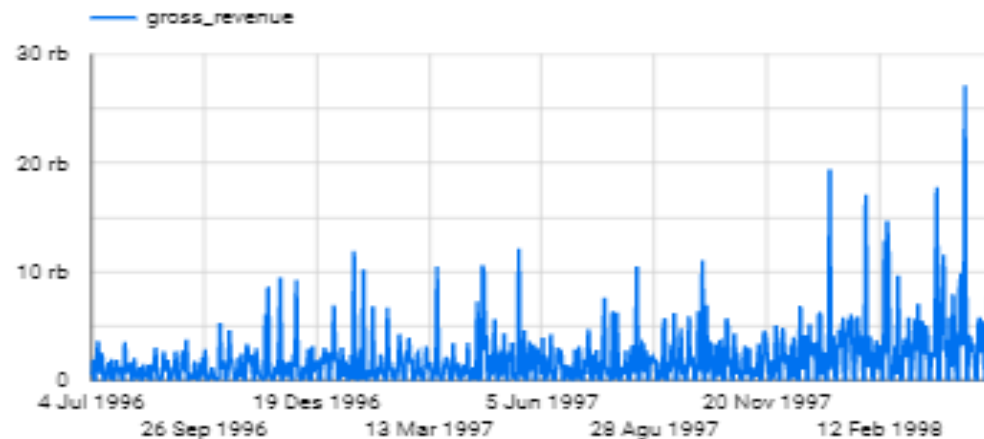
month

year



	category_name	quantity
1.	Beverages	
2.	Dairy Products	
3.	Confections	
4.	Seafood	
5.	Condiments	
6.	Grains/Cereals	
7.	Meat/Poultry	
8.	Produce	

1 - 8 / 8 < >



Map of Total Gross Revenue

