DigitalSkola

#BertalentaDigital

PROJECT II

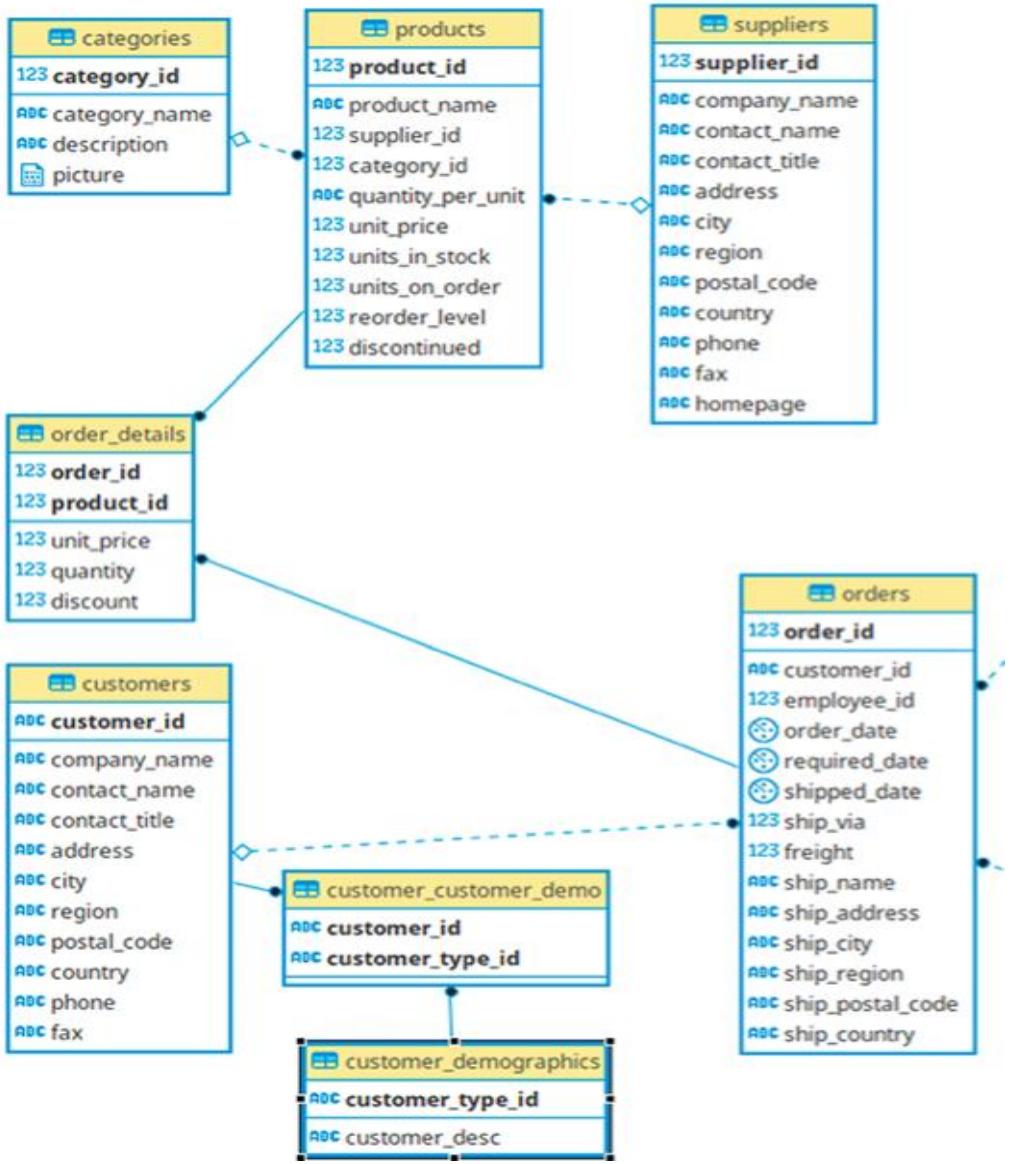
HILDA MEIRANITA PRASTIKA DEWI

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



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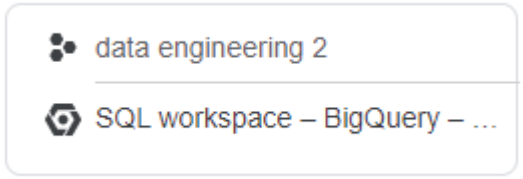
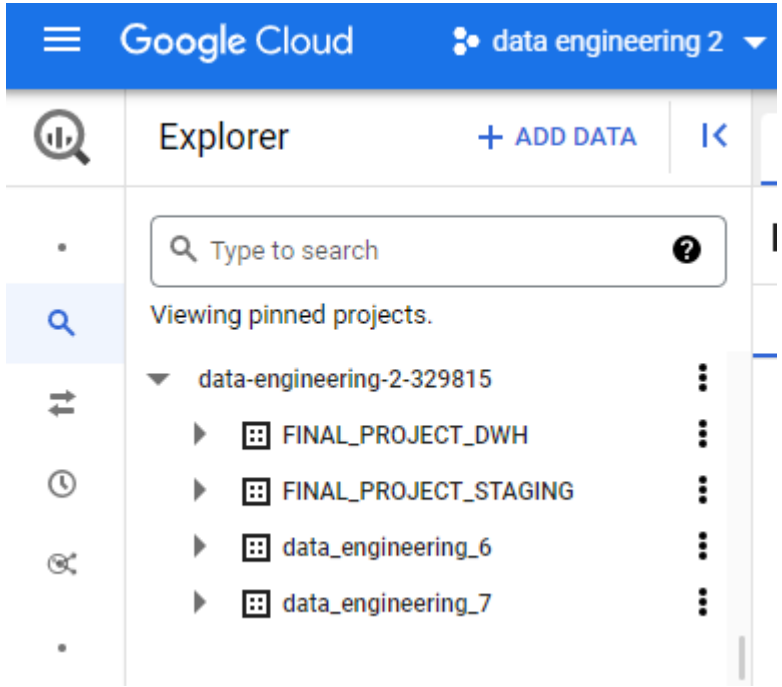
Setting up data source to data studio

1. Membuka Google Cloud Platform. Pilih data engineering 2



2. Membuat query pada table data_engineering_6



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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
```

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Setting up data source to data studio

3. Membuat tabel (datamart_monthly_country_gross_revenue_hilda)

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

4. Membuat tabel (datamart_daily_gross_revenue_hilda)

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

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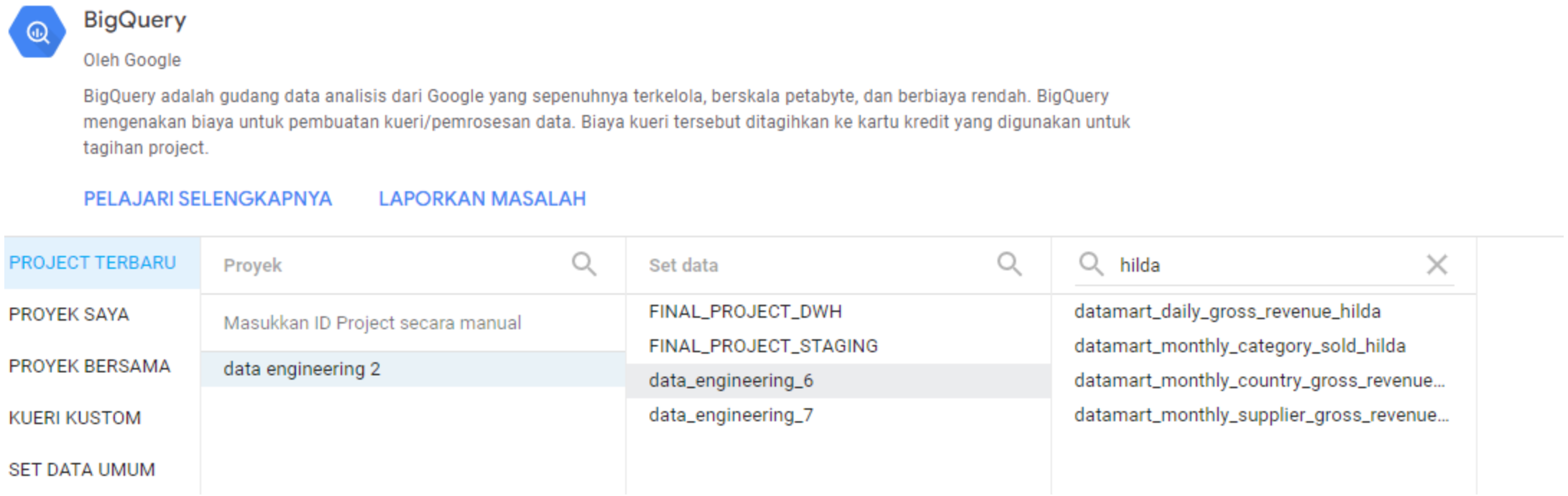
Setting up data source to data studio

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



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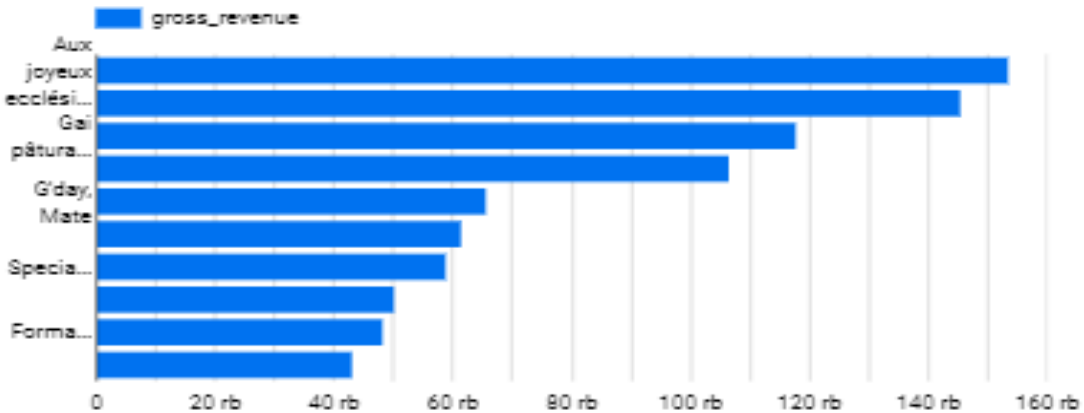
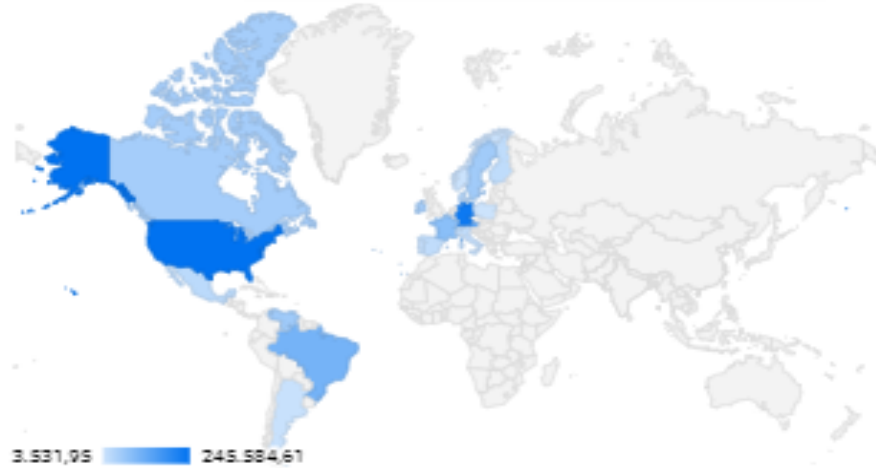
Datamart Monthly Report

month

year





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

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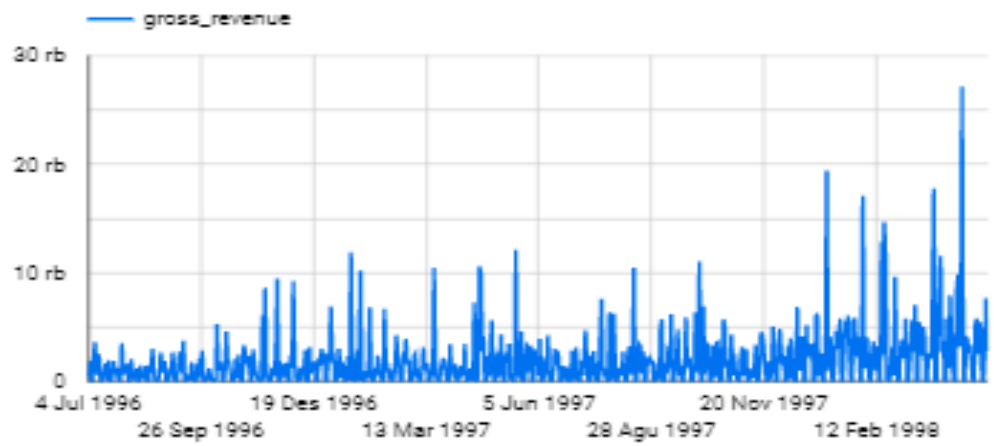

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Map of Total Gross Revenue

gross_revenue 3.531,95 245.594,61