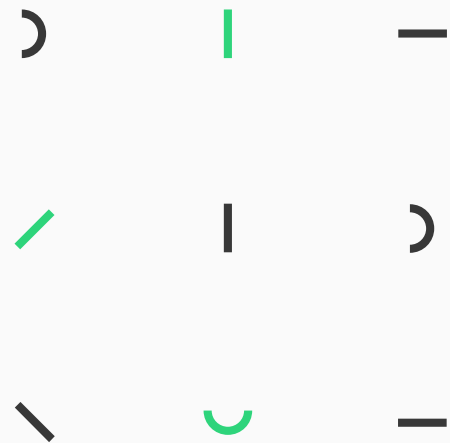




Business Intelligence Analyst Virtual Internship Program



Presented by
Radhimas Januar Rachman





About me

Graduate Bachelor from Bina Nusantara University studying Industrial Engineering with an interest in the fields of Data science or Data analytics. Currently building experience and knowledge through bootcamps, projects, and internships.

Internship Experience

PT. Bank Muamalat x RakaminAcademy

Project-Based Intern : Business Intelligence Analyst
3 December 2023 - 01 January 2024

PT. HM SampoernaTbk

Secondary Processing Intern: 1 August 2021 -
31 January 2022

Education



Universitas Bina Nusantara

Bachelor of Industrial Engineering 2018 - 2022



Rakamin Academy

Data Science Bootcamp July 2023 - December 2023

Tools



Excel



SQL



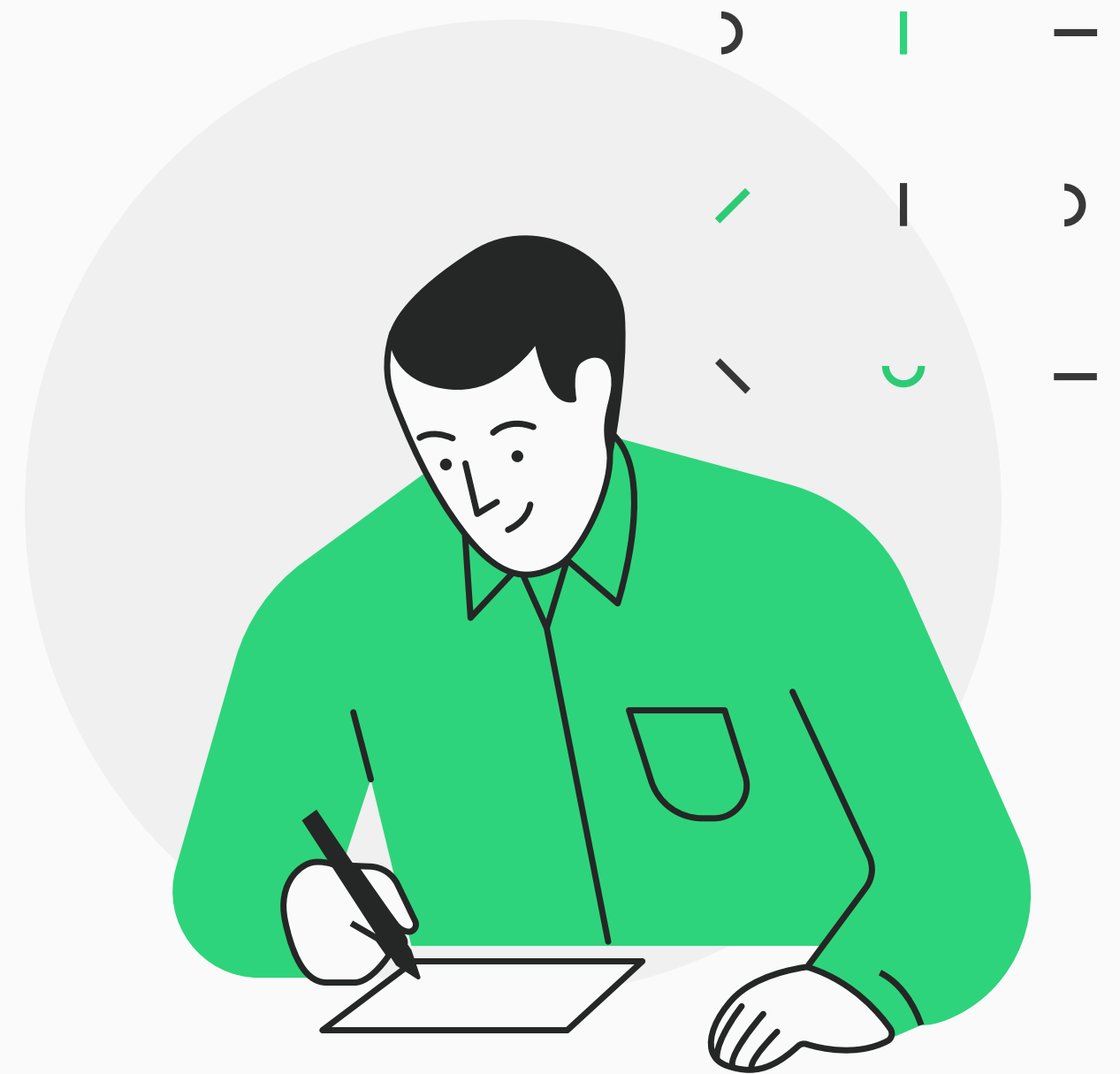
Looker Studio

Data Sources: <https://bit.ly/47naTBM>

Challenges

- **Primary key of the 4 tables**
- **Relationship of the 4 tables**
- **Create a master table**
- **Create a Dashboard**
- **Provide insights & Recommendation**

Data Sources: <https://bit.ly/47naTBM>



Result

Primary Key

Primary key table Customer:
CustomerID

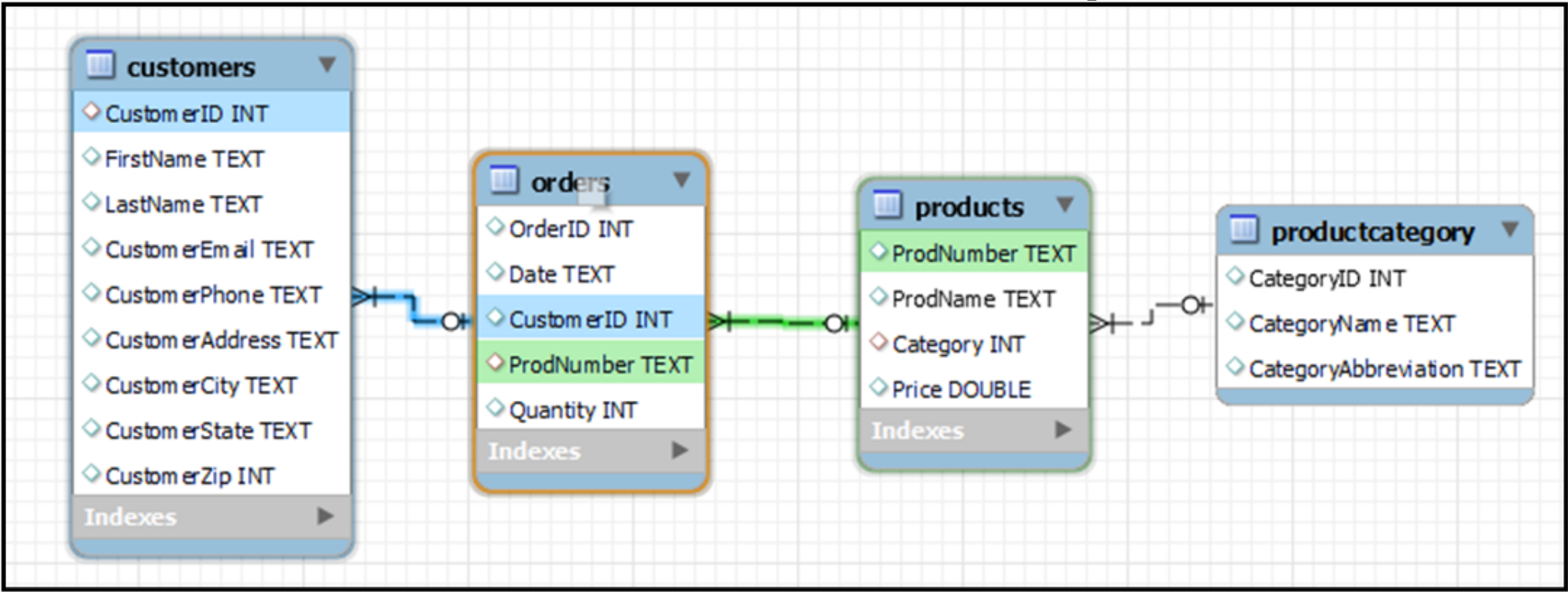
Primary key table Products:
ProdNumber

Primary key table orders:
OrderID

Primary key table
ProductCategory:
CategoryID



Table Relationship



- **Customers.CustomerID=Orders.CustomerID** with a one to many relationship
- **Products.ProdNumber=Order.ProdNumber** with a one to many relationship
- **ProductCategory.CategoryID=Products.Category** with a one to many relationship

02

Result

Master Table

Row	order_date	category_name	product_name	product_price	order_qty	total_sales	cust_email	cust_city
1	2020-01-01	Drone Kits	BYOD-220	69.0	1	69.0	edew@nba.co...	Honolulu
2	2020-01-01	eBooks	Polar Robots	23.99	2	47.98	fvaslerqt@co...	Jackson
3	2020-01-01	Robots	RWW-75 Robot	883.0	3	2649.0	tmckernot@ti...	Katy

SCHEMAS

Filter objects

▶ classicmodels

▶ rakafood

▶ sys

▼ task5

- ▶ Tables
- ▶ Views
- ▶ Stored Procedures
- ▶ Functions

▶ task_week3

Limit to 1000 rows

1 • SELECT

2 o.Date as order_date,

3 pc.CategoryName as category_name,

4 p.ProdName as product_name,

5 p.Price as product_price,

6 o.Quantity as order_qty,

7 round(sum(o.Quantity * p.Price)) as total_sales,

8 c.CustomerEmail as cust_email,

9 c.CustomerCity as cust_city

10 FROM orders as o

11 JOIN customers as c on o.CustomerID = c.CustomerID

12 JOIN products as p on o.ProdNumber= p.ProdNumber

13 JOIN productcategory as pc on p.Category = pc.CategoryID

14 GROUP BY 1,2,3,4,5,7,8

15 ORDER BY 1 ASC;

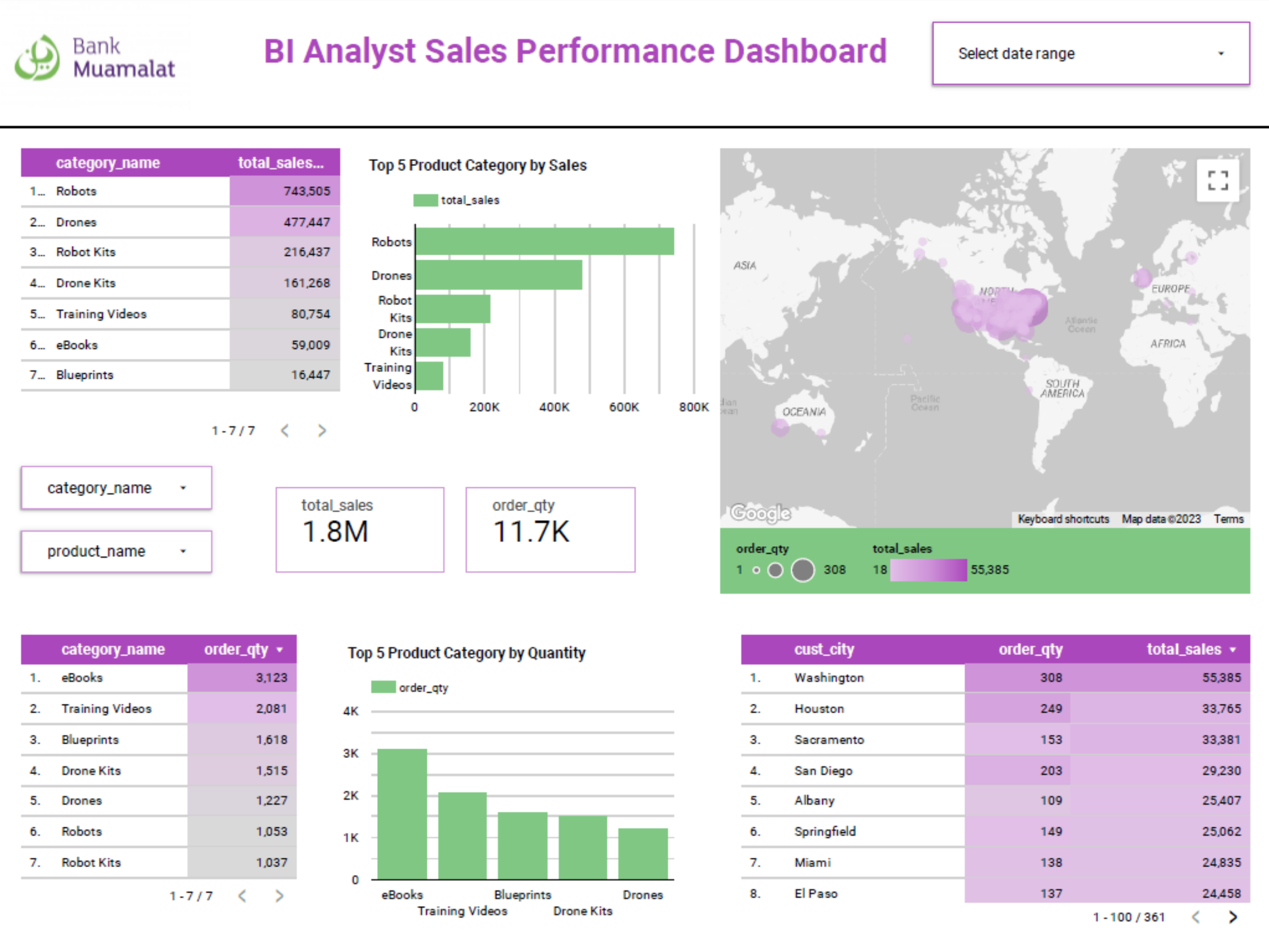
Administration Schemas

Result

Dashboard

Insights:

- Robot products have the highest sales performance of all other category reaching total of 743,505 units sold.
- E-books products dominate the order quantities, surpassing all other products with 3,123 units ordered.

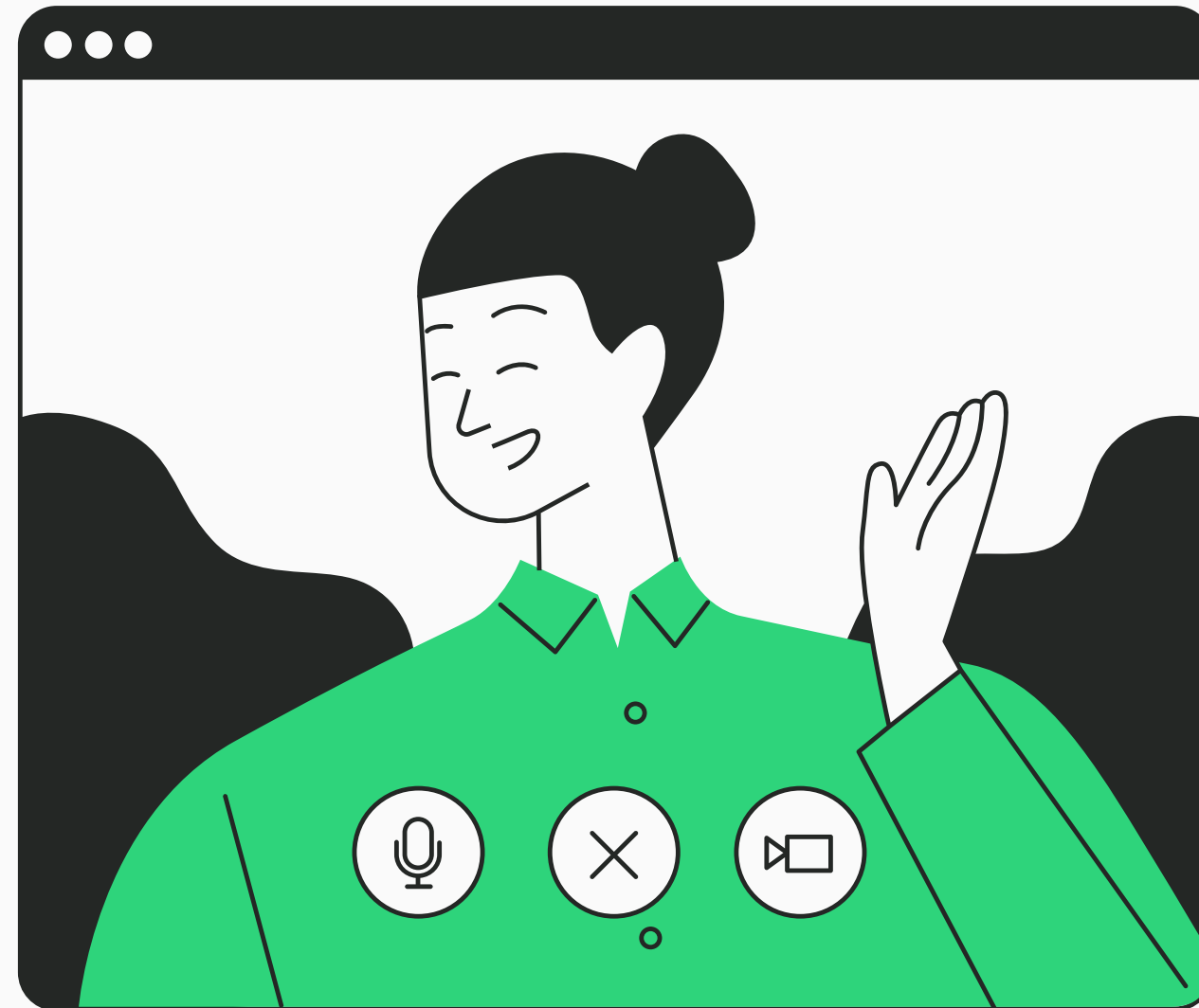


[Dashboard Link](#)

Recommendation for sales improvement

- Maximizing and utilizing customer email information as a method for marketing campaigns.
- Create more accurate customer segmentation based on purchase behaviors, to achieve more accurate and targeted strategies for marketing campaigns.
- Implement association rule using historical data to do cross-selling and upselling strategy to make product suggestions for customers.

Contact me



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GITHUB

<https://github.com/RadimasJr>