





Created by:
Muhammad Najib
muhnajib02@gmail.com
https://www.linkedin.com/in/muhammad-najib-/

"Fresh Graduate with a strong interest in data, analysis and technology. Successfully graduated with 3.70 GPA in Law with focus on Administrative Law State. Analytical team player with Spereadsheet, SQL & Data Visualization tools experience to build and manage data. Committed to developing skills in data analysis that helps organizational efficiency."

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Overview



"In a company measuring business performance is very important to track, monitor, and assess the success or failure of various business processes. Therefore, in this paper, we will analyze business performance for an eCommerce company, taking into account several business metrics that is customer growth, product quality, and payment types."

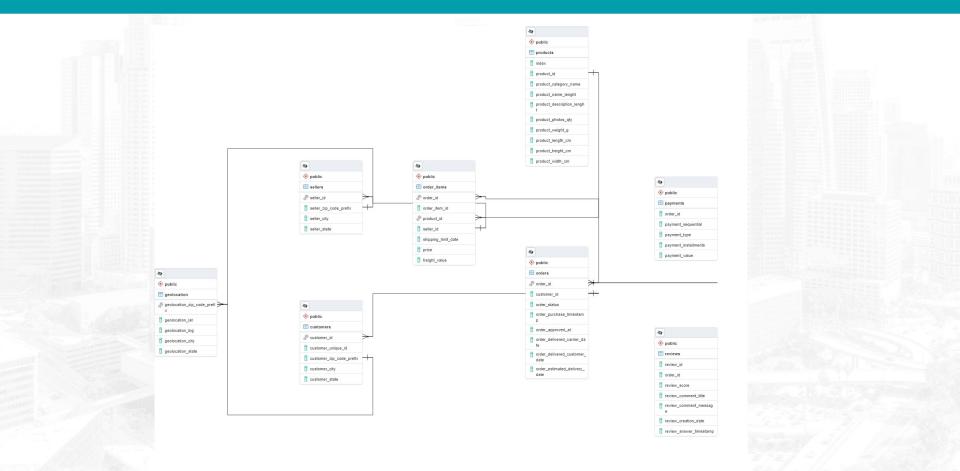
Data Preparation



- at this initial stage of data preparation, the data obtained is still in the form of raw data in the form of csv. The first thing to do is import the raw data into the RDBMS (PostgreSQL) with the following steps:
 - 1. create a database named "project1" on pgAdmin
 - create a table according to the number of datasets, and input the columns and data types.
 - 3. import datasets according to their tables.
- after all tables are filled with their dataset, the next step is to create an Entity Relationship Diagram, so the data can be easily understood.
- In making an ERD, the first step is to determine the primary key and foreign key for each table, then by using the pgAdmin tool, "Generate ERD", create a connection scheme between the tables.

Data Preparation





Annual Customer Activity Growth Analysis



for annual customer activity growth analysis report, we use table orders and customer from database. to get the data we use query to get the data from database. you can see the query in here:

https://docs.google.com/document/d/1JP8pYg6TTbkIrLOzhoY3TVHHMF84TFXBP6KawqbRphc/e dit?usp=sharing

this annual customer activity growth analysis have 4 point to highlight:

- 1. Average monthly active user per year.
- 2. Total new customer per year.
- 3. Total customer with repeat order per year.
- 4. Average customer order frequency per year.

Annual Customer Activity Growth Analysis



year	Average	monthly active user	New customer	customer repeat order	avg order 🕞
	2016	109.67	329	3	1.01
	2017	3758.42	45101	1256	1.03
	2018	5401.10	54011	1167	1.02

from this table we can see that:

- 1. for Average monthly active user, New customer and customer repeat order. there a massive growth between 2016 to 2017.
- 2. in 2018, number of customer repeat order decreased but not too significant.
- 3. but on the Average customer order frequency didn't have significant movement.

Annual Product Category Quality Analysis



this section about analysis products quality, there are 4 point to higlight:

- Total revenue per year.
- Number of cancel order per year.
- Highest-grossing product category.
- 4. Top Product category with number of cancel order.

Annual Product Category Quality Analysis



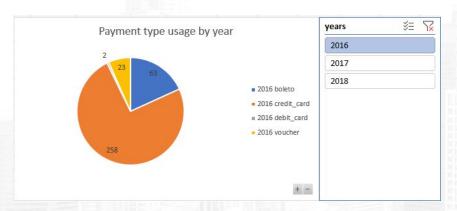
years revenue	▼ total can	cel order 🔽 category_selling	revenue-2	cancel_category	cancel_product 💌
2016	46653	26 perfumery		2958 toys	3
2017	6784154	265 computers	5	0326 sports_leisure	25
2018	8588643	334 health_beauty	5	4891 health_beauty	27,

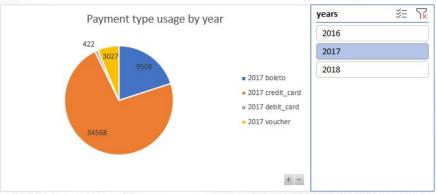
from this table, we can see that:

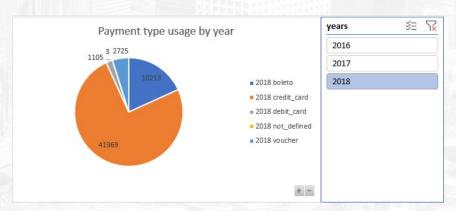
- 1. Total revenue increasing every year.
- 2. Total cancel increase every year.
- 3. Every year there is different highest-selling product category (2016-perdumery, 2017-computers, 2018-health beauty).
- 4. Just like selling product, every year there is different cancel order product category (2016-toys, 2017-sports leisure, 2018-health beauty).

Analysis of Annual Payment Type Usage









https://docs.google.com/document/d/1JP8pYg6TTbklrLOzhoY3TVHHMF84T FXBP6KawqbRphc/edit?usp=sharing

Analysis of Annual Payment Type Usage



from that table, we can see that:

- 1. from every year, payment type have increase usage.
- 2. credit card still be top usage every year