

BADS7105 CRM Analytics and Intelligence Korrapin Pimapansri

## What is CLV

CLV is the value of a customer relationship based on the present value of the projected future cash flows from relationship.

It used to estimate cost for customer management. In some events, the marketer spend a lot of money for acquire new customer and retain existing customer. but they didn't concern about return on investment.



## How to Measure It

- Average number of transaction (T)
- Average value of an order (AOV) or Ticket Size
- Average gross margin (AGM)
- Churn rate: Percentage of the customers who leave the platform over a specified time period.

Churn rate = 
$$\left[\frac{CB - CE}{CE}\right] \times 100$$

CB = Customers at the beginning of a month CE = Customers at the end of a month

Retention Rate: Percentage of the customers who stay on the platform over a specified time period.

Retention Rate = 1- Churn rate

Average lifespan (ALT): how long the average customer has been with your company

Customer Lifetime Value (CLV): the customer's revenue throughout the relationship

$$CLV = \frac{T \times AOV \times AGM \times ALT}{Number of customer for the period}$$

Average revenue per user (ARPU): the average revenue per a customer

$$ARPU = \frac{Total\ revenue\ for\ the\ period}{Number\ of\ customer\ for\ the\ period}$$



## **Customer Lifetime Value Dashboard**

Total Order 4.3K

MOM -4.8%

Ticket Size

11.2 MOM -17.296 Total Revenue

48.2K

MOM -21.296

2008

Customer Lifetime Value

-0.5K

Active Customer

1.3K

Average Revenue per User

36.7 MOM-15.696 Churn Rate

-6.7%

Average Lifespan

-15.0% MOM 14.2%

Summary of Customer

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Shop month	Total Revenue	Total Order	Ticket Size	CLV	Active Customer	ARPU	Churn Rate	ALT
January	48,159	4,298	11.2	-549	1,314	37	-6.7%	-15.0%
February	49,920	4,257	11.7	1,573	1,345	37	2.4%	42.4%
March	55,391	4,664	11.9	1,638	1,378	40	2.5%	40.8%
April	52,889	4,397	12.0	292	1,540	34	11.8%	8.5%
May	59,575	4,712	12.6	1,131	1,591	37	3.3%	30.2%
June	56,723	4,589	12.4	7,055	1,599	35	0.5%	198.9%
July	10,850	898	12.1	-29	595	18	-62.8%	-1.6%

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