

Customer Lifetime Value

Marketing

What a customer is worth over the relationship, not the transaction.

Lifetime value is margin per period times expected lifetime, discounted to today.

$$\text{CLV} = (\text{Margin} \times \text{Retention}) \div (1 + r - \text{Retention})$$

80% retention

$1 \div (1 - 0.8)$.

About 5 years average life

90% retention

Doubles the value.

About 10 years

CAC above CLV

Growth destroys value

THE COMMON MISTAKE

✗ **Using revenue rather than margin**

✓ **Using contribution after cost to serve**

High-revenue customers are sometimes unprofitable once returns, support and discounts are counted.

Small retention gains compound enormously. Moving from 80% to 90% retention doubles the average customer lifetime.