LIFETIME VALUE OF THE CUSTOMER

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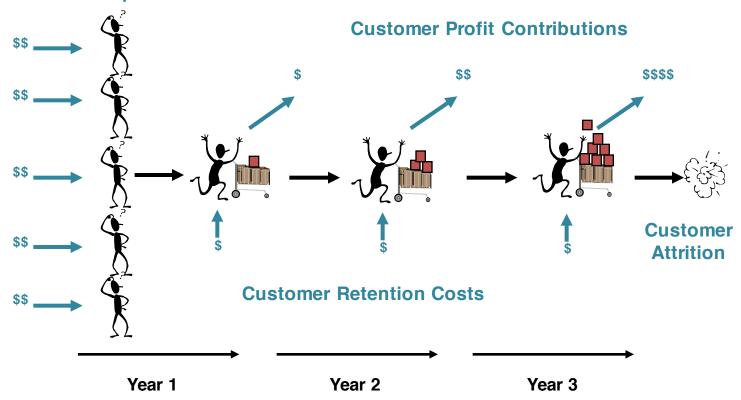
Xinmei Zhang and Yongge Dai Professor

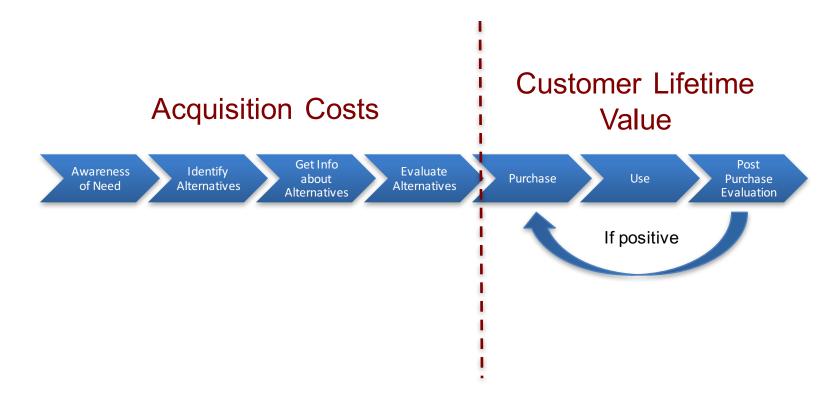


Lifetime Value of the Customer: Overview

- The CLV process
 - Visualization
 - Individual components
 - Implications of the CLV perspective
- CLV calculations
 - Without attrition and discounting
 - With attrition
 - With attrition and time value of money

Customer Acquisition Costs





Name Active Minimize Increase Transactions Targeted Promotion Foster Loyalty

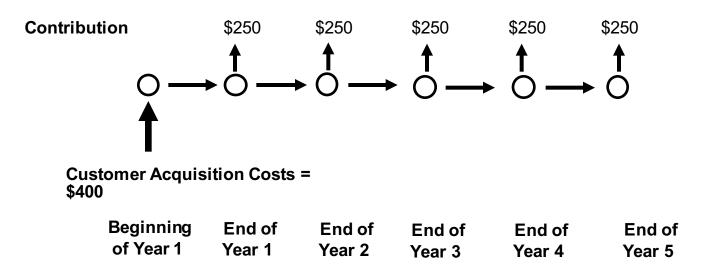
Practical Uses for CLV

- Acquire an individual customer
 - Is it worth the effort and at what price?
- Retain an individual customer
- Fire an individual customer
- Acquire an entire customer base (or firm)
 - How much should one pay?

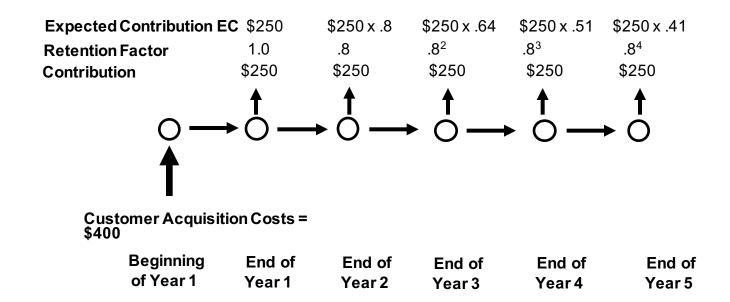
Customer Lifetime in Action

- In order to complete the calculations we will need to know
- m = margin = (p c)
- **r** = retention per period
 - Estimated as the percentage of customers returning when they have the option to leave
- d = discount rate (or, i = interest rate) for "time value of money"
- *t* = index for time periods

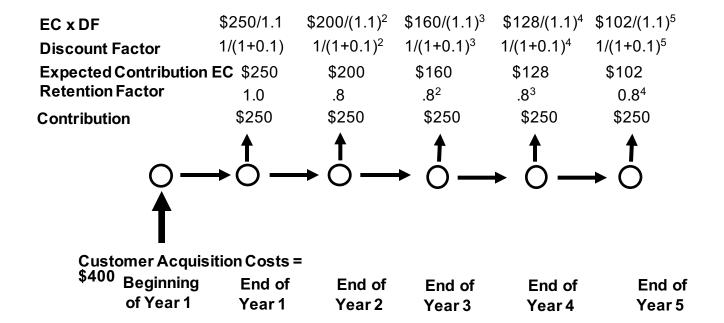
- Assume no customer attrition
- Assume value of money does not change with time (no discounting)
- CLV = $5 \times $250 = $1,250$
- CLV net of Acquisition Costs = \$1,250 \$400 = \$850



- Assume probability of losing a customer is .2 each year (retention rate = 80%)
- CLV = \$250 + \$200 + \$160 + \$128 + \$102 = \$840
- CLV net of Acquisition Costs = 840 400 = \$440



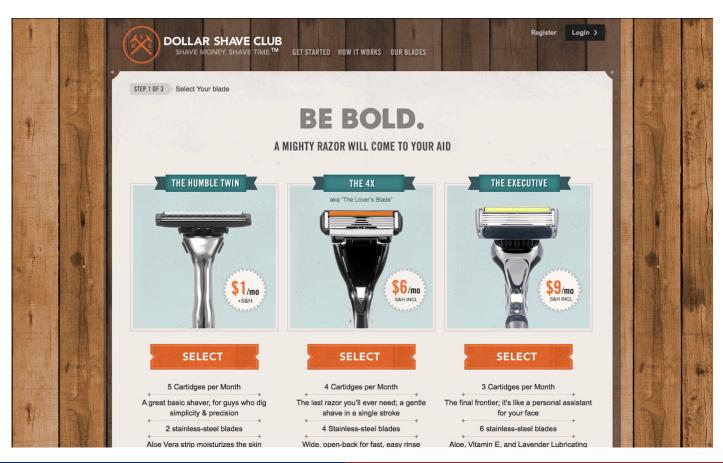
- Assume probability of losing a customer is 0.2 each year (retention rate = 80%)
- Assume value of money decreases with time (discounting included); first year contribution comes at end of the year
- CLV = \$227 + \$165 + \$120 + \$87 + \$64 = \$664
- CLV net of Acquisition Costs = \$664 \$400 = \$264



Acquisition Targeting

- Be selective (initially) and acquire so long as CLV is positive!
- Be prepared to see acquisition efforts get harder!
- Be aware that the more leverage you get from retention the more you should be prepared to pay to acquire
- Be informed that investors like to see as much recovery as possible from fewer transactions
- Be reminded that customers are heterogeneous on
 - Retention profit potential
 - Acquisition recovery time

CLV in Action







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