Customer Profiling & Behavior Analysis for Effective Marketing Strategy of a Supermarket

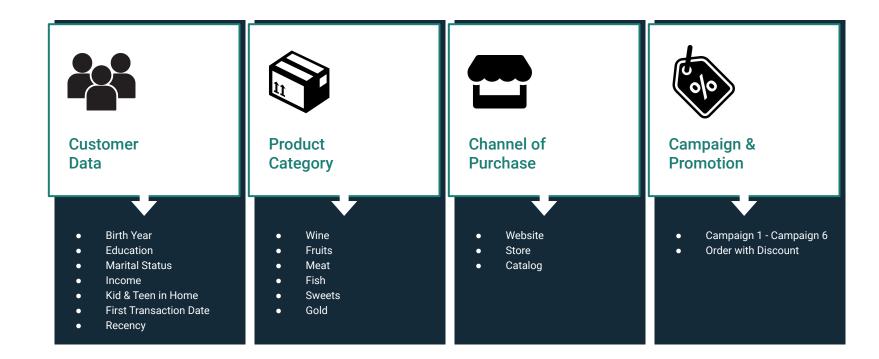
Capstone Project Module 2 - Osvaldo Sirait

Outline

Background Project	Customer Demographic	Customer Profiling	Customer Behavior	Conclusion
Summary of obtained data used for analysis. Objective and expected result from analysing this dataset	Customer demographic based on Age, Income, Education Background, Marital Status, and House	Customer Retention Analysis to determine profile based on Tenure, Customer Lifetime Value, and Churn Rate	Analyzing customer behavior based on Product Preference, Channel Preference, and Promotion Response	Insights and Recommendations from Data Analysis Result

Background

Data Overview



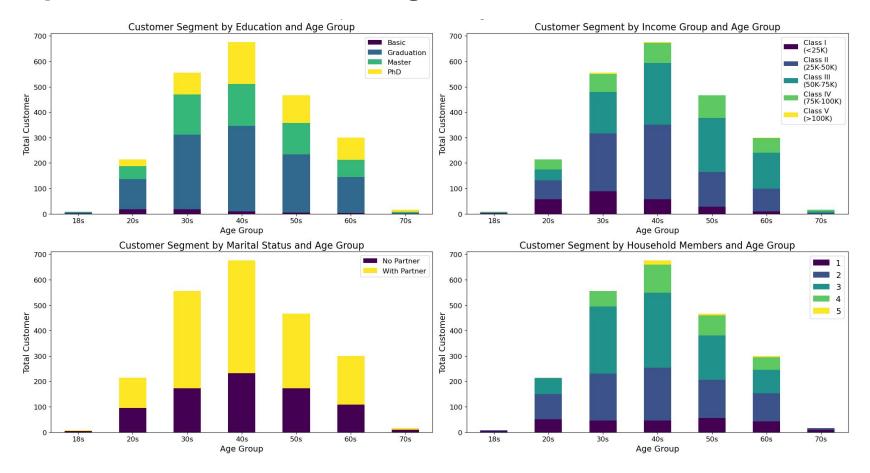
Project Goals

Menentukan **segmen konsumen** paling tepat **untuk strategi dan marketing plan** yang memiliki impact signifikan terhadap penjualan, growth, dan ROI yang baik.



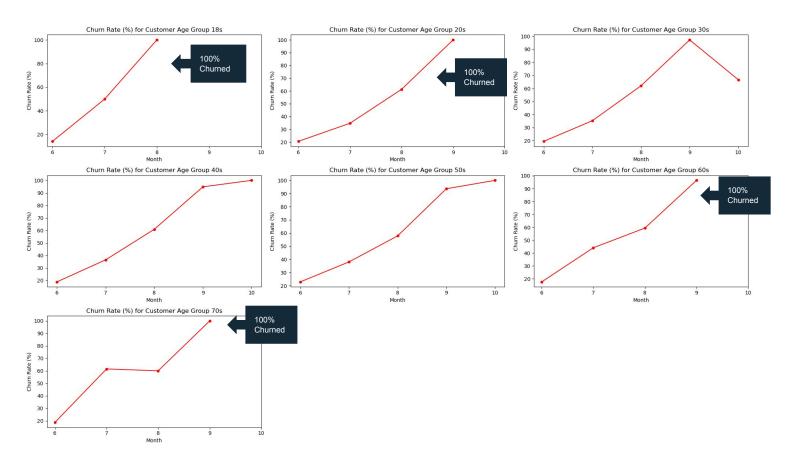
Customer Demographic

Supermarket Customer Segment

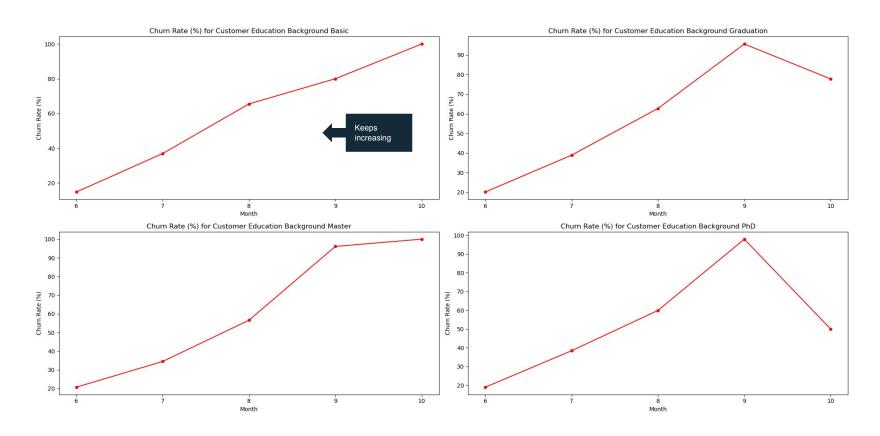


Customer Profile by Retention

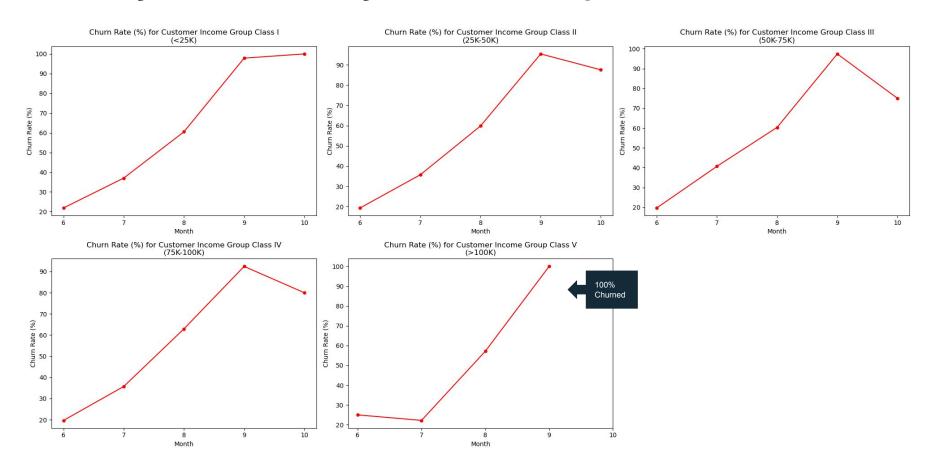
Monthly Churn Rate by Age Group



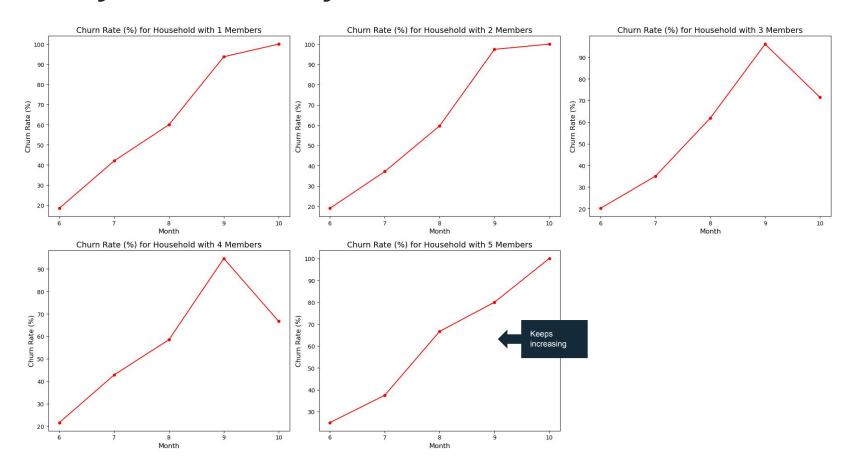
Monthly Churn Rate by Education Background



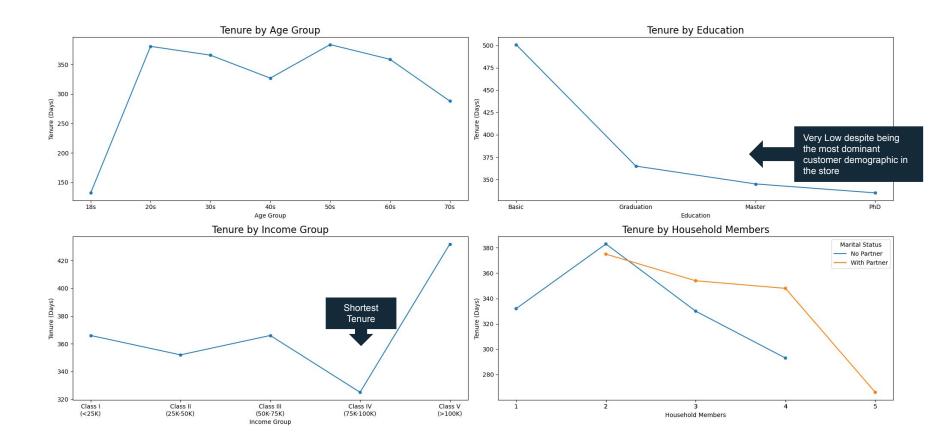
Monthly Churn Rate by Income Group



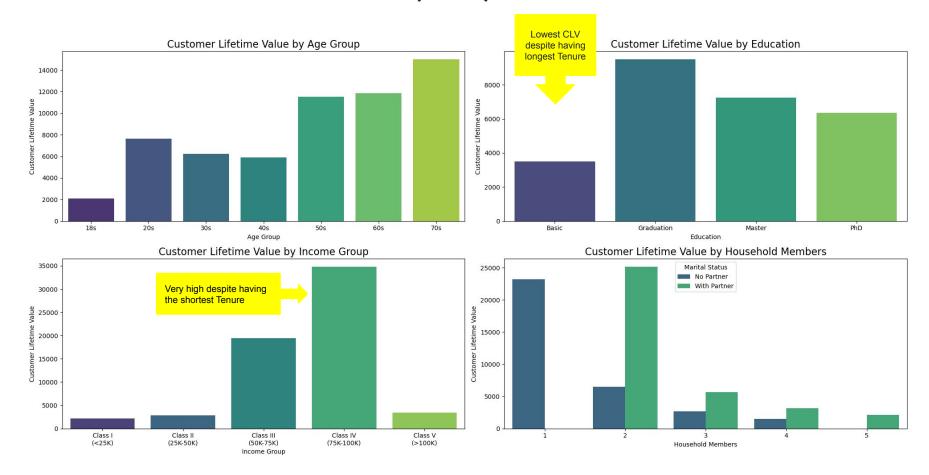
Monthly Churn Rate by Household Members



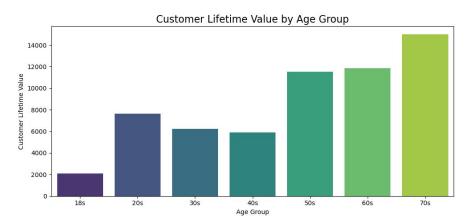
Customer Tenure

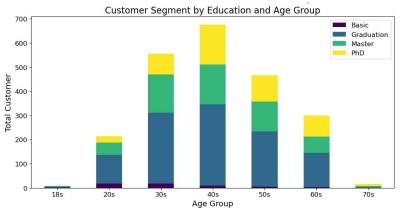


Customer Lifetime Value (CLV)



CLV Comparison based on Customer Age Group





CLV by Age Profile

Age Group 50s, 60s, 70s: semakin tua, semakin tinggi CLV

Age Group 20s, 30s, 40s: semakin tua semakin rendah CLV

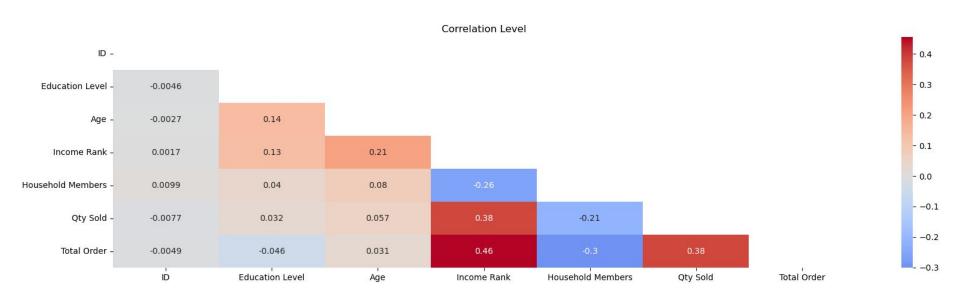
Age Profile

Age Group 50s, 60s, 70s: semakin tua semakin sedikit jumlah customer

Age Group 20s, 30s, 40s: semakin tua semakin banyak jumlah customer

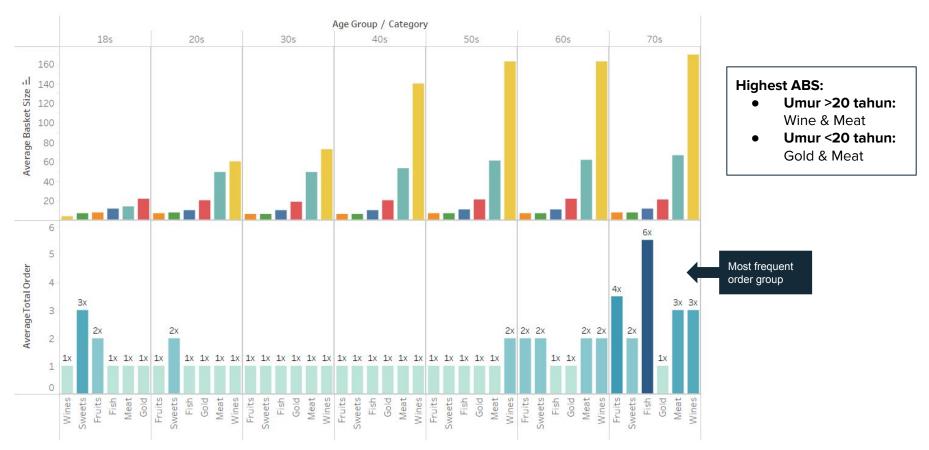
Business and Segment Relationship

Customer Segment Correlation to Business



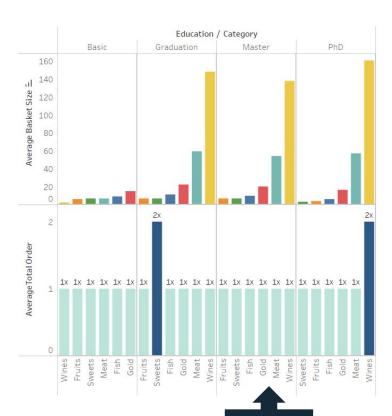


Customer Basket Size by Age Group



Customer Basket Size by Income and Education Group

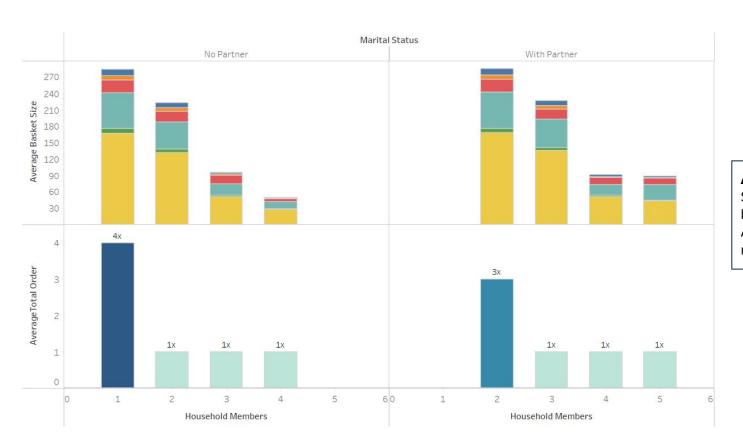




No repeat

tendencies

Customer Basket Size based on Household Members

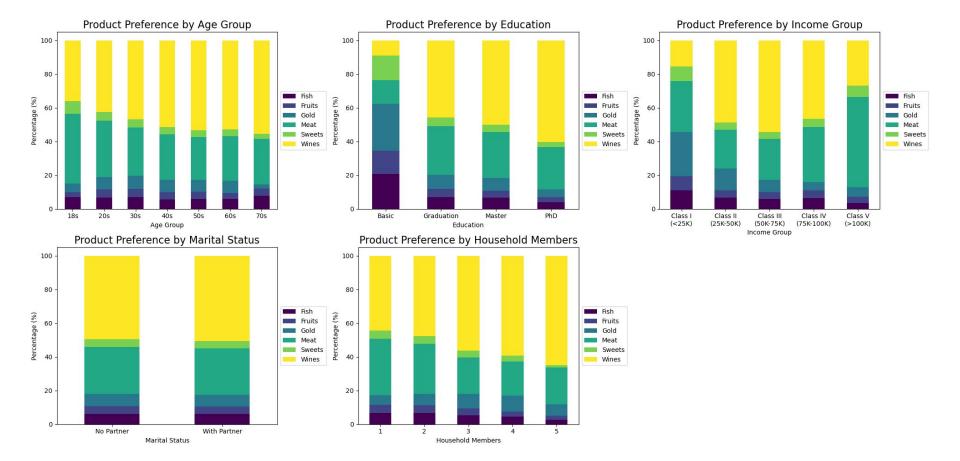


ABS Trend:

Semakin banyak anggota keluarga, semakin rendah ABS dan tendencies untuk repeat order

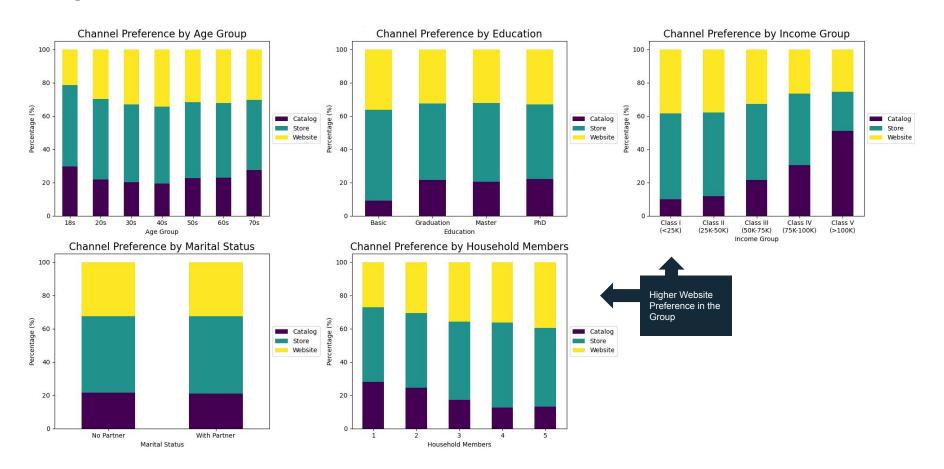
Product Preference Analysis

Supermarket Customer Product Preference

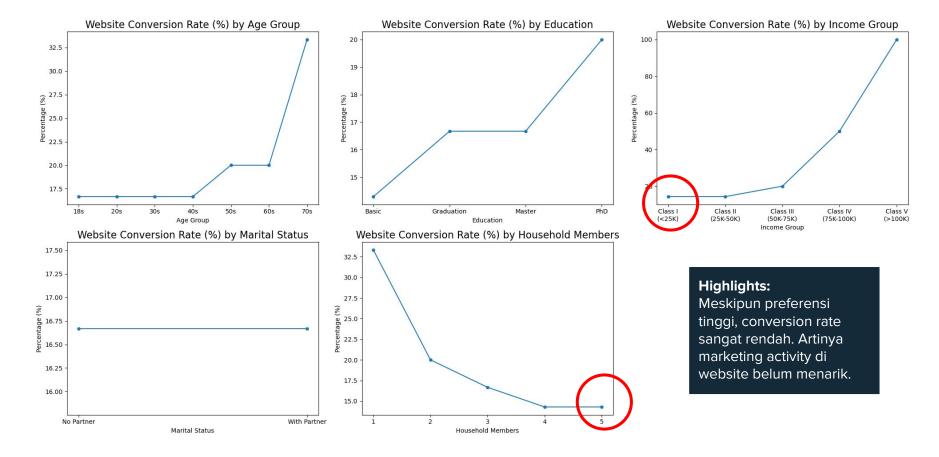


Channel Preference Analysis

Supermarket Customer Channel Preference

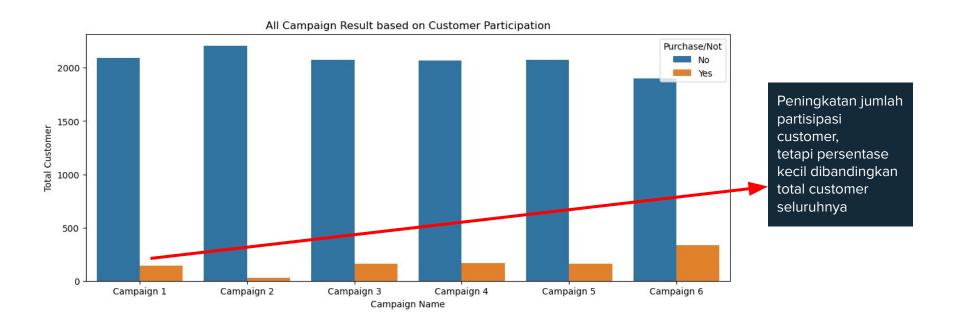


Website Conversion Rate

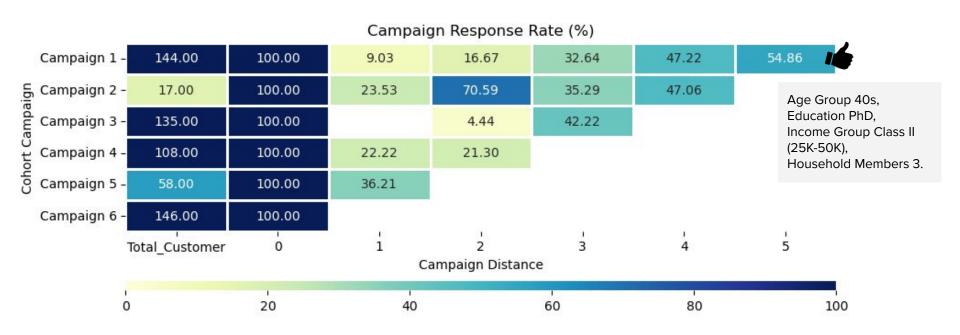


Campaign Response Analysis

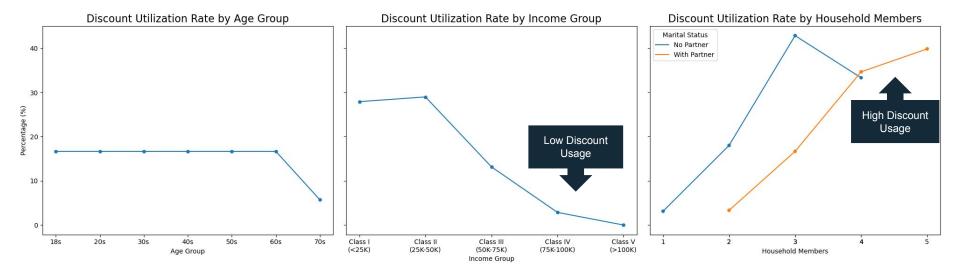
Campaign Participation



Campaign Cohort Analysis



Discount Utilization Rate



Conclusion

Insights Summary



Recommendations

Marketing Recommendations

Short Term Strategy (Reactive Approach)

Long Term Strategy (Predictive Approach)

Engage Active Customers

Increase Customer Loyalty

Optimize Digital Performance

Encourage Larger Enter Premium Transaction Market

Target Customer:

- Usia 50-70 tahun
- Graduates & PhDIncome Class IV &
- Income Class IV & Class V
- Beli di Store (offline)
- Pembeli Wine & Meat

Marketing Activity:

Brand collaboration

- Supplements, vitamins,
- Home improvement tools
- School supplies, educational toys
- Household cleaning products

Target Customer:

- Usia 30-50 tahun
- Income Class II & Class
 III

Marketing Activity:

- Diskon beruntun (pembelian ke-2 20% off, pembelian ke-3 30% off, dst)
- 'Welcome Back
 Discount' untuk
 customer yang sudah
 tidak berbelanja selama
 3 bulan lebih
- 'Birthday Discount' selama minggu tanggal ulang tahun customer

Target Customer:

- Income Class I & Class II
- Household Members lebih dari 3

Marketing Activity:

- Exclusive discount produk Meat dan Gold di website untuk income Class I dan Class II
- Exclusive discount produk Wine dan Meat di website untuk customer dengan keluarga besar

Target Customer:

 Household Members lebih dari 3

Marketing Activity:

- Cross-bundling dengan produk-produk lainnya di Supermarket
- Diskon beli banyak lebih murah
- Tebus Murah (hadiah berupa gimmick atau produk lain)
- Diskon dengan minimum purchase lebih tinggi dari ABS

Target Customer:

• Income Class IV dan Class V

Marketing Activity:

- Exclusive bundling produk premium (seperti Gold dan Wine)
- Direct/personal approach marketing seperti door-to-door dan community activation
- Memastikan kualitas produk baik

Thank You