

Using
Segmentation and
Predictive Analytics
to Combat Attrition

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October 2011



Discussion Agenda



<u>Understanding Attrition</u>

- What is Attrition?
- How does it impact your business?
- Analytical Tools to Combat Attrition
- Building a Retention Framework



Segmentation

- Segmentation and Modeling
- Why is Segmentation important?
- What to do/Not to do
- Case Study



Modeling and Marketing Framework

- Value of Predictive Modeling
- Sales Predictor Model
- Marketing Optimization Framework
- Case Study



Lessons Learned

Key Takeaways



What is Attrition?

Attrition is simply described as when customers reduce their usage or completely stop using your products or services





Why do we care about Attrition?

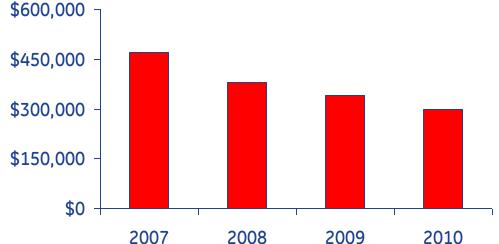
Types of Attrition

- Voluntary Attrition
- Involuntary Attrition
- Silent Attrition
- Balance Attrition
- Spend or Usage Attrition

How does it affect your business

- Cost to acquire a new customer is five times higher than retaining an existing one
- Top 30% of customers comprise 100% to 150% of your profitability
- 10% to 20% customers will attrite annually
- High attrition will impact growth Relying on new customers is not a sustainable strategy







What are we going to do about it?

Analyze – Acquire Insight

<u>Identify</u> – Which of my customers are attriting?

<u>Evaluate</u> – What is the magnitude of attrition?

<u>Measure</u> – What is the financial impact or lost opportunity?

Monitor – How is it trending?

Action Plan to Combat Attrition

Market Research

Segmentation

Predictive Modeling

Proactive Marketing & Retention Strategies

Measure Financial Impact

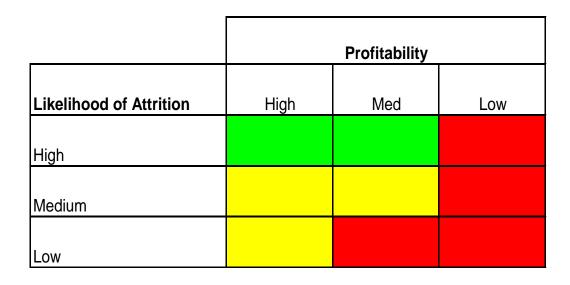
TIP



Building a Retention Marketing Framework

• Focus on retaining profitable customers

Combining Multiple Models





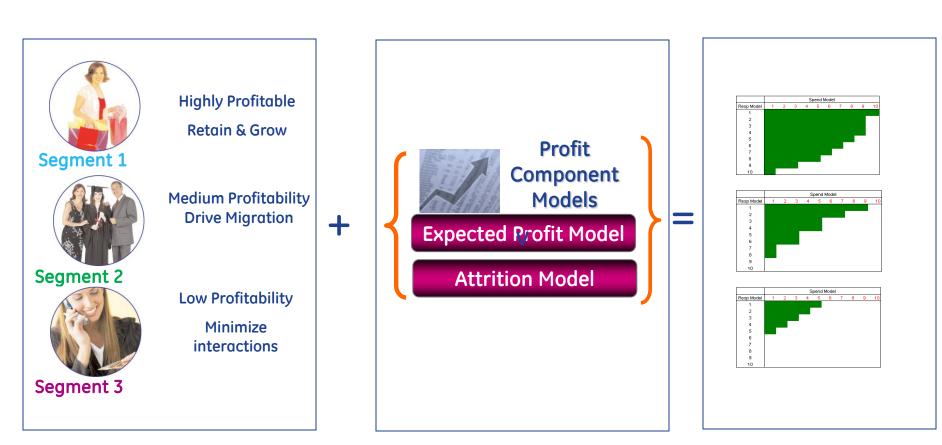


Limit Marketing Spend





Segmentation + Modeling = Profitability

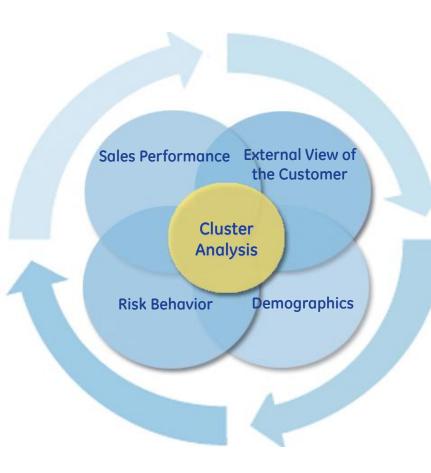


Goals:

- 1. Reduce Attrition
- Increase Sales, Profitability and ROI
- 3. Optimize Marketing Spend



Why is Segmentation Important?



Key Benefits

- Defines a framework to develop an overall portfolio management strategy
- Helps to identify the most valuable & profitable customers
- More cost effective marketing through tailored programs / strategies
- Maximize ROI by deploying marketing dollars on the most productive segments
- Measures the impact of customer migration and campaign effectiveness



How to make Segmentation Work

Top 4 "Must Do's"

- Integrate across all functional areas of business
- Segmentation tells you "what to do" not who to target
- Measure long term impact
- Needs and Attitudes is more actionable when combined with other types of segmentations

Top 4 "Don't Do's"

- Segmentation is only used for messaging
- Segmentation is only used as a targeting tool
- Measure short term impact
- Use Needs & Attitudes as the primary vehicle to define your strategy

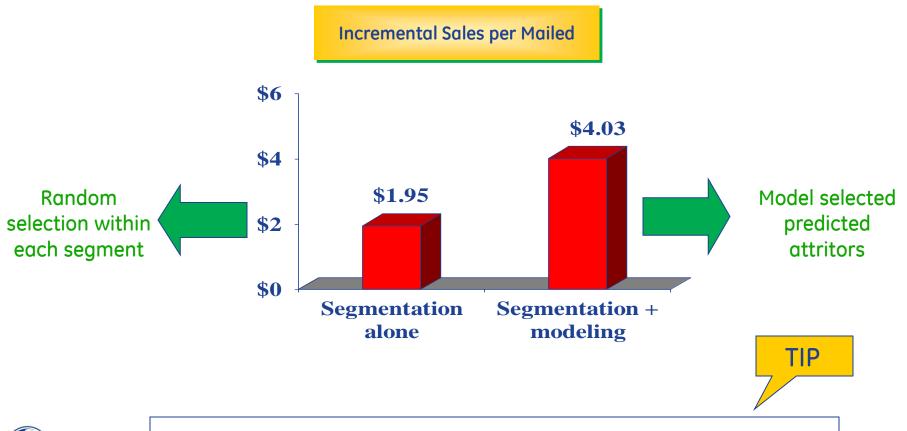






Case Study

- -This Experimental Design included two cells with the same offer
- -The only difference between the two test cells was the Model overlay on top of the segments





imagination at work Segmentation + Modeling is the optimal customer treatment

Why is Predictive Modeling Important?

- Modeling allows us to predict the probability of an event occurring as a function of multiple factors
- It models the relationship between an outcome variable and a set of explanatory variables of any kind

Case Study on Spend Attrition

Target: Customers who are spending less year over year No Model was used – point in time snapshot



Target: Customers predicted to spend less year over year Attrition model was used – Predicted future value

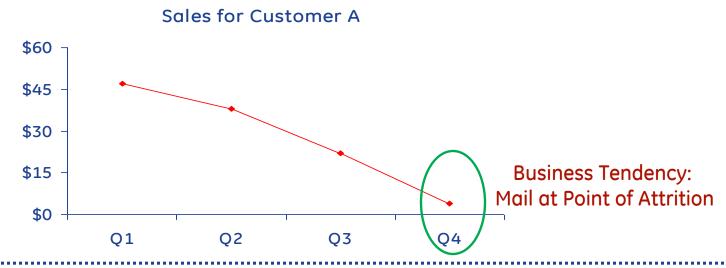


Financial Impact: Greater ROI & Incremental Sales



Current Value vs. Future Value: When to React

Target Attritors based upon Current Value



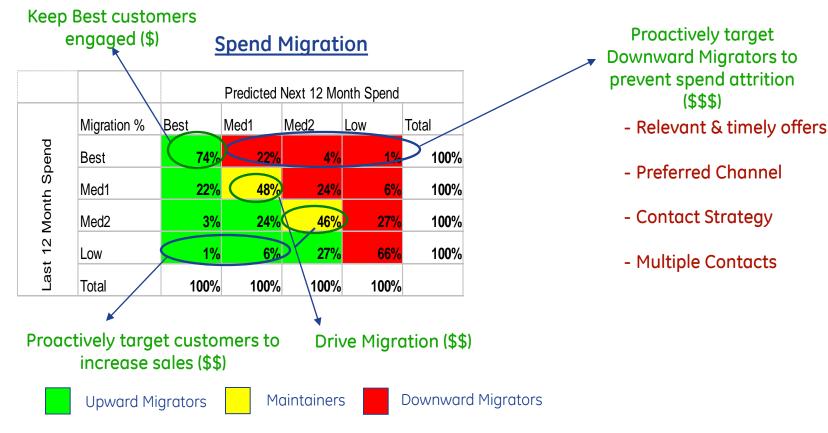
Target Attritors based upon Future Value





Sales Predictor Model

- Multiple Linear Regression Model 11 significant variables
- Sales Predictor Model is designed to predict future spend migration
- Offer and contact strategy should be driven by predicted future value





Marketing Optimization Framework

			Future Value*				
Segments	Current Value	Share of Wallet %	Maintainer	Upward Migrator**	Downward Migrator**	Segment Strategy	
Segment 1 (6%)	High	70%				Retain & Grow	
Segment 2 (11%)	High	84%				Retain & Grow	
Segment 3 (24%)	Medium	76%				Migration	
Segment 4 (12%)	Medium	56%				Manage Risk & Credit Line	
Segment 5 (17%)	Low	69%				Minimize Interactions**	
Segment 6 (30%)	Low	55%				Minimize Interactions**	

Marketing/Contact Strategy	# of Contacts	Channels	
Retention Maximize Marketing spend	6-8	DM, email	
Engagement Optimize Marketing Spend	4-6	DM, email, statement	
Stimulation Drive segment migration	6-8	DM, email, statement	
Maintenance Limit Marketing Spend	2-4	email, statement	

^{*} Based upon Sales Predictor Model

^{**}Migration involves a 10% upward or downward movement in spend



Case Study

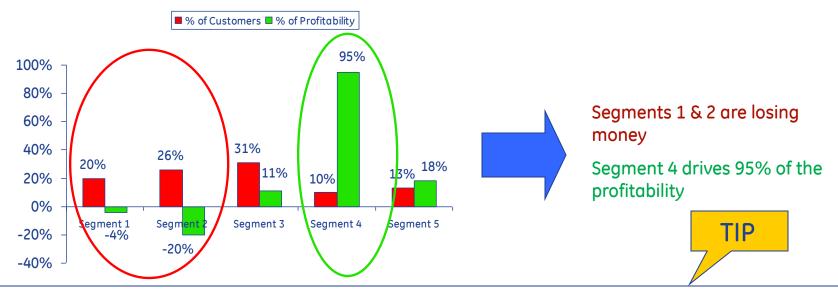
Business Problem: Reduce Attrition in High Value Segments

Channel: Direct Mail

Contact Strategy: Multiple Contacts to targeted accounts – 4 touchpoints with customers

Offers: Reward Points, Spend & Get

Targeting Strategy: Target Profitable Segments & Overlay with Sales Predictor Model

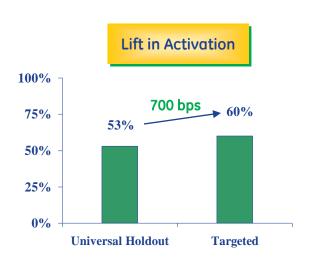


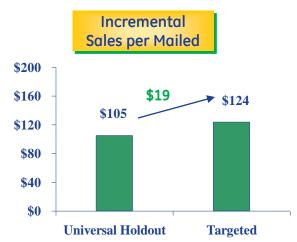
Retaining profitable customers is a more effective strategy than acquiring new ones

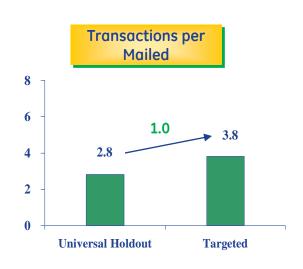


Case Study Results

A group of predicted attritors was selected as a Universal control group (held out of all marketing)









<u>Targeted vs. Universal Control</u>

Targeted customers are:

- ✓ Significantly more active
- ✓ Have higher spend
- ✓ Use their card more often



Lessons Learned

- Use Predictive Modeling to target attrition and maximize ROI
- Segmentation and modeling together will yield the strongest results
- Leveraging a multi-touch retention strategy will drive increased activation & sales
- Retaining profitable customers is the key to building a Retention Framework
- Universal Control Groups help measure the effectiveness & impact of marketing



Q & A

