

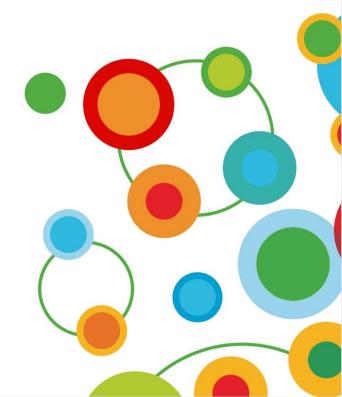
IBM Software

Information Management & Analytics Forum 2013

Return on Information: The New ROI

Better business outcomes through Customer Analytics

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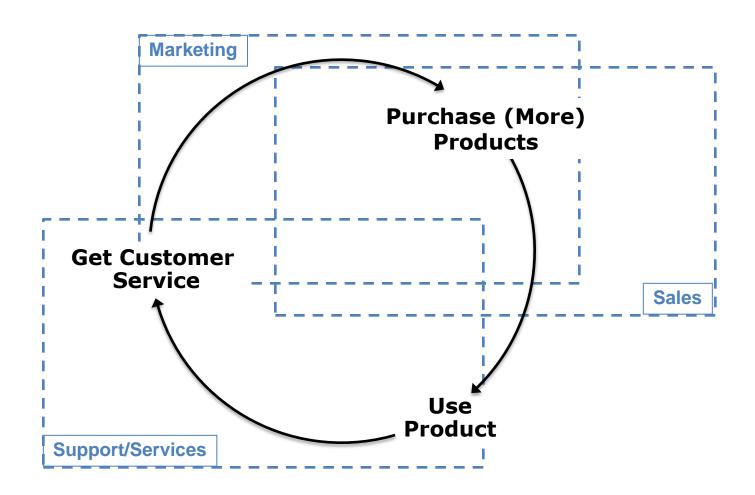
Agenda

The Age of the Empowered Consumer

Use of analytics to better understand and focus on customers

How organizations are using customer analytics to develop profitable relationships

Consumer Experience Framework – 10 years ago



The consumer has taken charge...

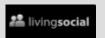


Customers have lost confidence in institutions

- 76% of customers believe companies lie in advertisements
- Growing trust gap in many consumer focused industries









Technology is changing how customers interact

- Social media changed purchaser influence; opinions viewable instantly
- Mass customization and personalization of products and services



Evolving Expectations:

- ✓ Timely
- ✓ Localized
- ✓ Experiential
- ✓ Personalized
- ✓ Information

Expectations have changed

- Focus is on value, transparency and accountability
- Customers want to be seen holistically across the enterprise

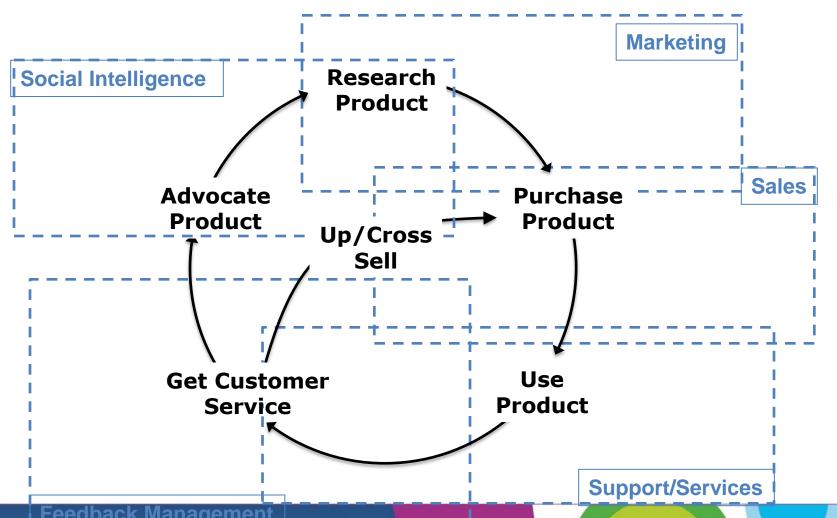


Institutions need to rediscover their customers

- Consumers are experiencing brands in new ways though new channels
- Micro-targeting: the move beyond 1 on 1 is accelerating

Sources: http://www.nae.edu/cms/Publications/The Brodge/Archives/7356/7596.aspx; Internetworldstats.com; Strategy Analytics; Informa

Customer Experience Framework today



IBM C-Suite studies

CEO Focus Over Next 5 Years

Getting closer to customer People skills Insight and intelligence Town Tow

54%

51%

Industry model changes

Revenue model changes

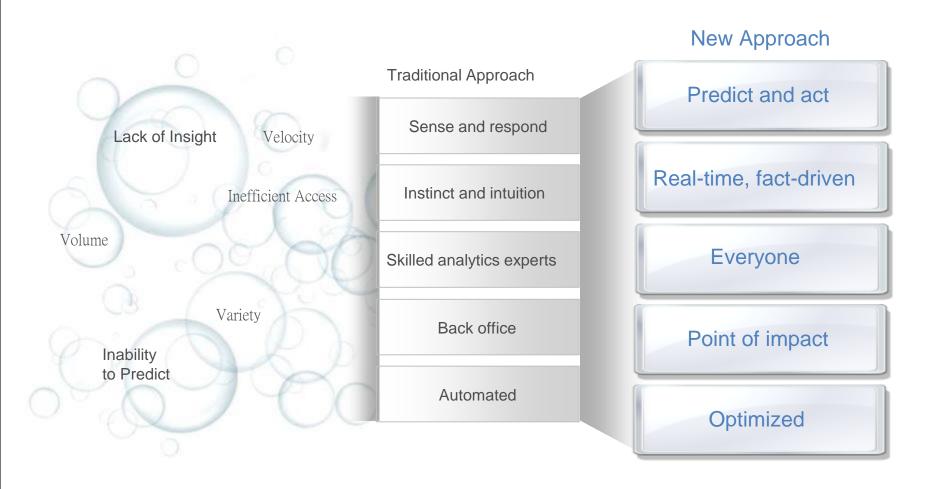
CMO 5 Year Focus Toward Digital



The customer experience is an enterprise responsibility



New business challenges create a need for analytics



Data at the heart of customer analytics

High-value, dynamic - source of competitive differentiation

Interaction data

- E-Mail / chat transcripts
- Call center notes
- Web Click-streams
- In person dialogues

Attitudinal data

- Opinions
- Preferences
- Needs & Desires
- Market Research
- Social Media

Descriptive data

- Attributes
- Characteristics
- Self-declared info
- (Geo)demographics

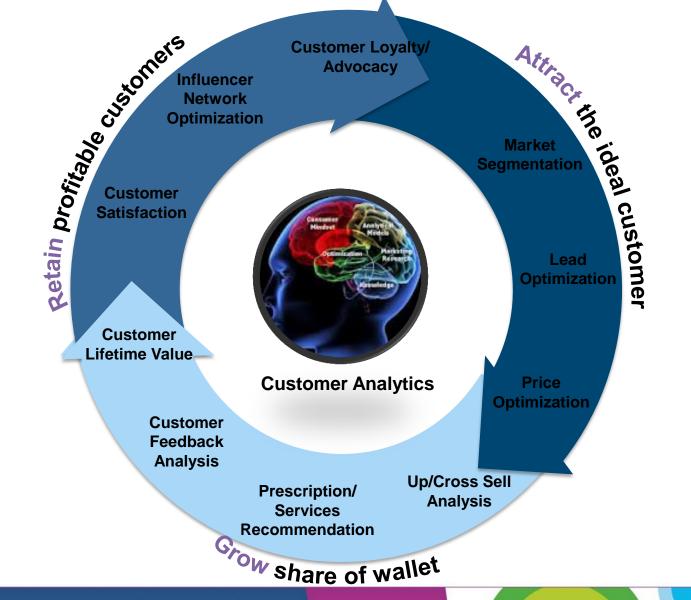
Behavioral data

- Orders
- Transactions
- Payment history
- Usage history

"Traditional" - CRM Mentality

Customer experience framework – From the enterprise

viewpoint



Customer Analytics is all about the ...

Passenger

Patient

Constituent

Customer

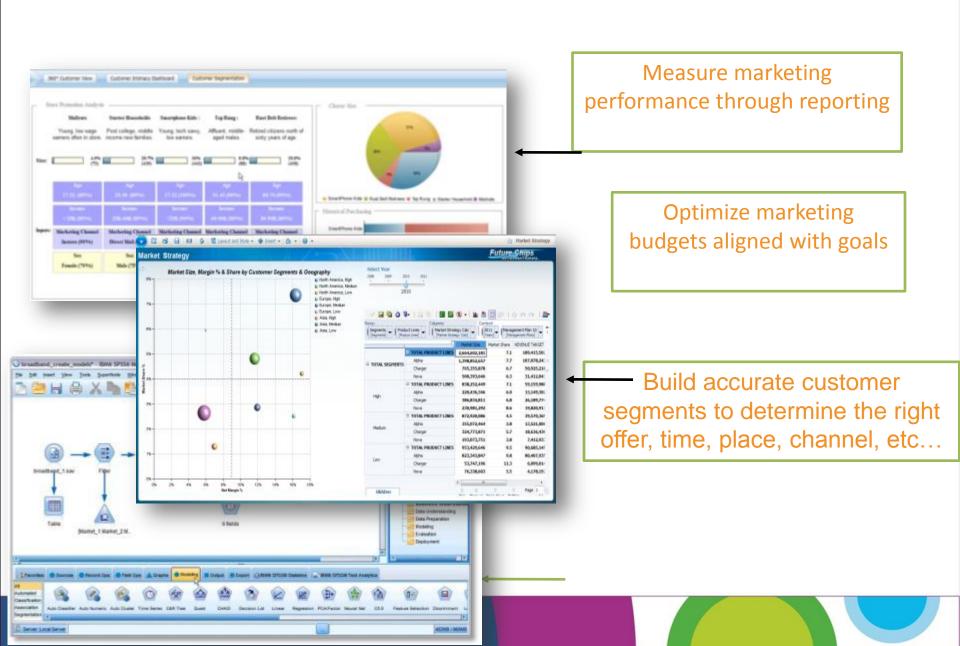
Member

Student

Employee

Citizen

Customer insight & acquisition



Insight & acquisition – Techniques & solutions

RFM Analysis

- Cheap (low overhead) way to segment a database of customers
- Example: determine the groups of people for a coupon marketing offer

Segmentation

- Ability to find hidden clusters / groups of people
- Example: identifying the people that are likely to buy

Reporting & Analysis

- Provide historical and current views of business operations
- Example: provide insight into how a current sales campaign is performing

Planning & Forecasting

- What-if analysis to drive timely decision making
- Example: determine the optimal marketing plan based on a set budget

Customer Segmentation

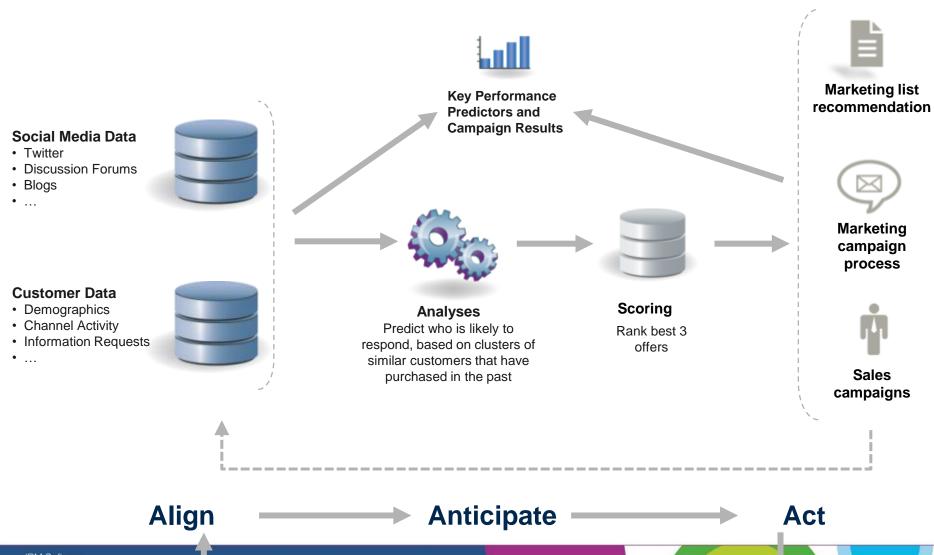
Cross-Channel Campaign Optimization

Optimal Trigger Marketing

Lead Management

Budget Optimization

Customer insight & acquisition journey



Unicef



Uses predictive analytics to get more donations

The Need

UNICEF Netherlands needed a solution that could help it analyze and better understand contributor behavior in order to map out long term developments and patterns for donations and optimize the use of its fundraising channels.

The Solution

UNICEF Netherlands optimizes the results of marketing initiatives with IBM SPSS Statistics. Performing in-depth analyses of prospect data enables it to achieve accurate forecasts and contributor profiles and create highly targeted prospect approach. Also handle millions of records effortlessly, and the integration of third-party market data.

What Makes it Smarter

- •. conduct highly targeted marketing campaigns yielding optimum results
- map out the donation behavior of its contributors accurately and define clear-cut segments and profiles
- The targeted campaigns minimize the chances of public irritation, hence enhancing UNICEF Netherlands' image.
- Include third party data for additional insight

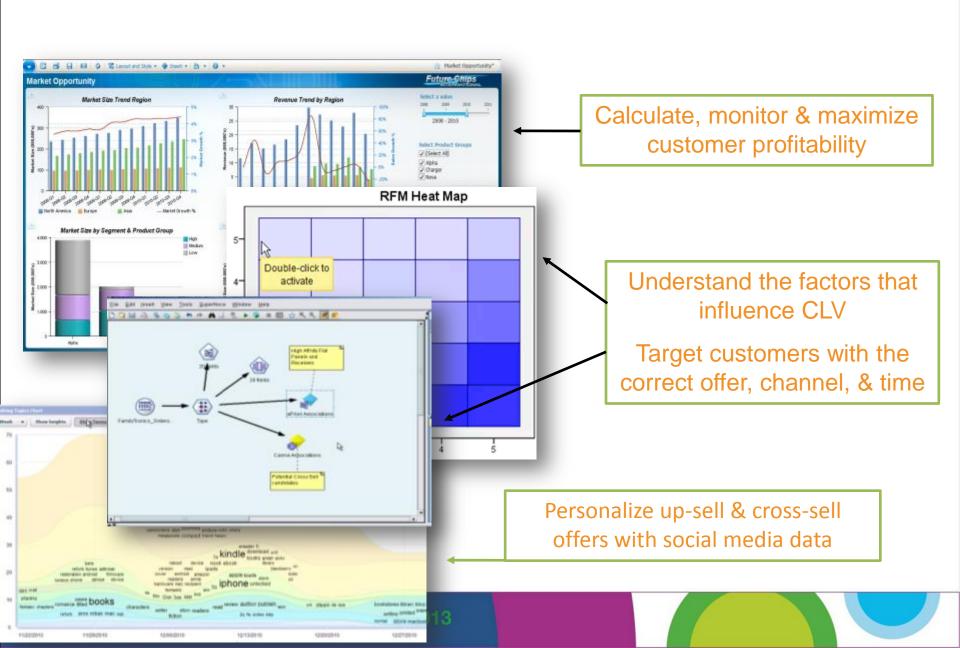
"IBM SPSS predictive analytics strongly improves the returns on our marketing campaigns. we're now able to better target our direct mail campaigns, we can identify the best neighbourhoods, where the response is 2.5 times higher"

Jan Kamphuis, UNICEF Netherlands data analyst—

Solution components:

IBM® SPSS Statistics Standard

Customer lifetime value



Customer lifetime value – Techniques & solutions

Association

- Finding the things done in tandem
- Example: market basket analysis, students curriculums, insurance policies that are bought together

Classification

- Identifying the attributes that are causing something
- Example: give the cascading predictive attributes of purchase behavior

Scorecards & Dashboards

- Translate strategy into accountability & measure progress
- Example: monitor the continued success of cross-sell campaigns

Market Basket Analysis

Next Best Offer

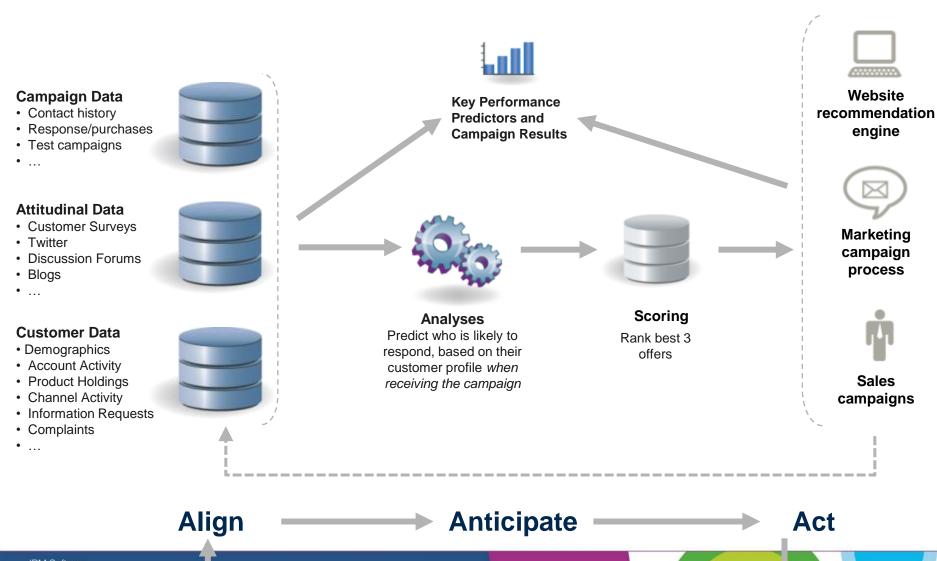
Prospect Assessment

Value pricing Optimization

Buying Process Optimization

Proactive Activation Service

Customer cross-sell journey



KPN



Uses predictive analytics to Target right product to the right customer

The Need

KPN has a portfolio of more than 30 products that it sells to over a million business customers. The company's business marketing intelligence team needs to find out how best to allocate marketing budgets in order to maximize cross- and up-selling opportunities—a task that required complex analysis of huge volumes of data.

The Solution

By mining previously untapped customer data and developing predictive models, KPN is discovering new insights into which of its products will most likely appeal to which customers. Customers can be accurately segmented and then analyzed. Creation of marketing campaigns that specifically target certain customers, increasing the campaigns' potential effectiveness.

What Makes it Smarter

- •Increases customer response rates to direct marketing campaigns
- •increase revenue from certain customer groups by 50 to 70 percent
- Helps non-technical decision makers understand complex analyses and make better business decisions through compelling graphical presentations of data
- •Identifies consumer purchasing propensity and predicts the outcomes of marketing decisions to increase direct marketing results and increase response rates by up to 1,000 percent.

Real Business Results:

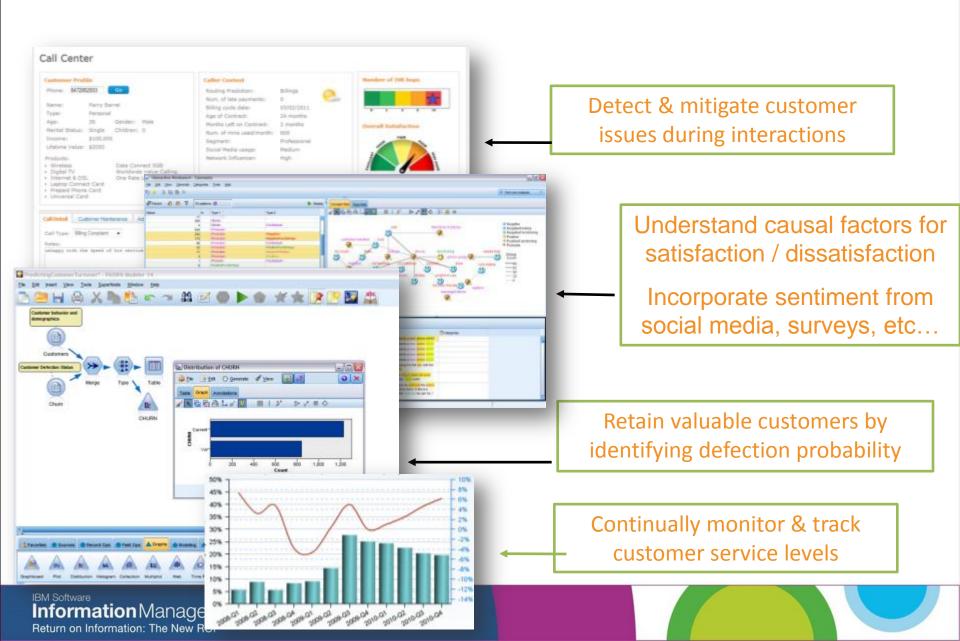
- Increased customer response rates by 400 to 1,000 percent
- Increased potential revenue by 50 to 70 percent in certain customer groups
- Uncovered unexpected opportunities



Solution components:

 IBM® SPSS Predictive Analytics Software

Customer satisfaction & loyalty



Customer satisfaction & loyalty – Techniques & solutions

Net Promoter Score

- Survey technique to determine customer satisfaction
- Example: a question to determine whether a customer is a promoter detractor

Sentiment Analysis

- Taking unstructured data and put it into an organized, structured format
- Example: sentiment analytics for customer satisfaction in surveys & social media

Anomaly Detection (outliers)

- Finding data points that are statistically significant in their difference from others
- Examples: understand the best performing customer group / comment that doesn't fit / behavior that doesn't follow the norm

Brand Monitoring

Social Feedback Analysis

Competitive Value Assessment

Loyalty Value Assessment

Customer Dialog Management

Retention Risk Management

Tap into Consumer generated content

How do
consumers
feel about our
new
message/ad?

What are consumers hearing about our **brand**?

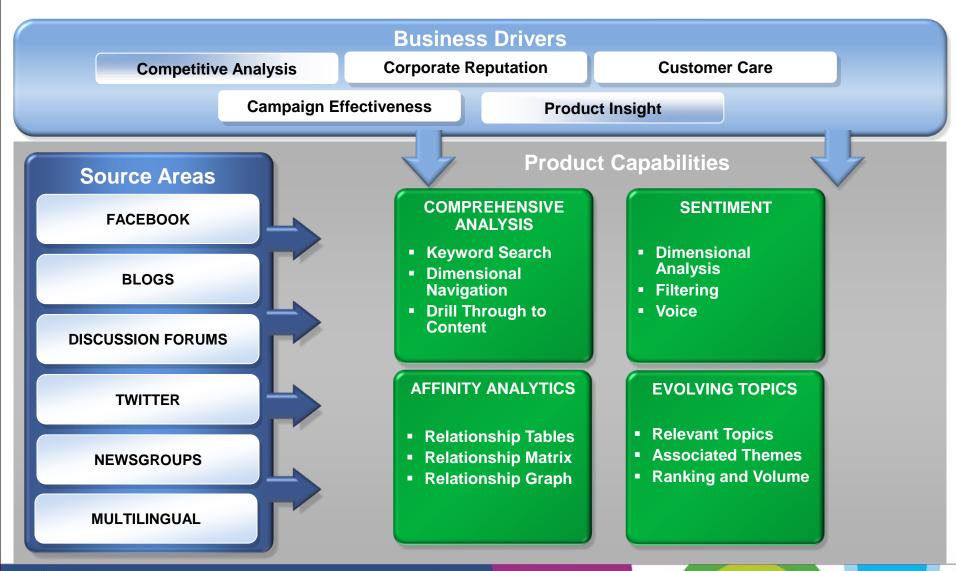
What are the most talked about product attributes in my product category? Is it good or bad?

What is my **competitor** doing to excite the market?

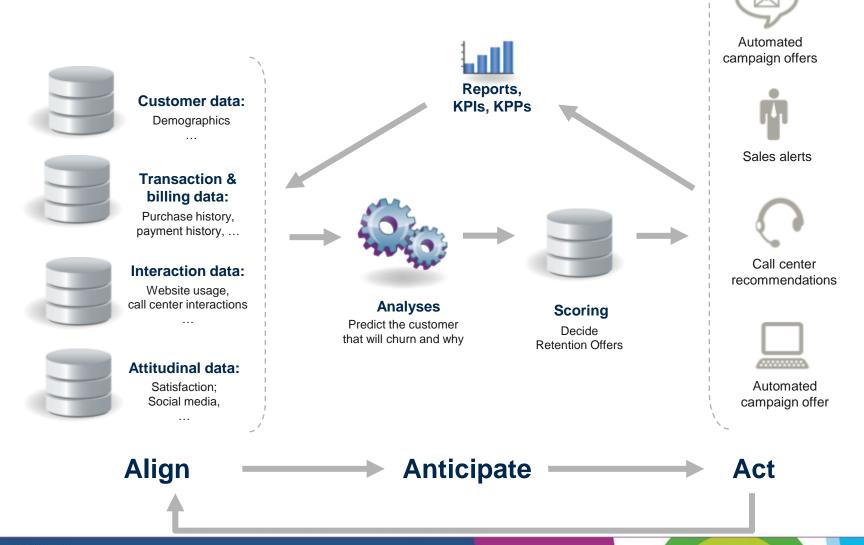
Are my business partners helping or hurting my reputation?

Is there negative **chatter** that my PR team should respond to?

IBM Social Media Analytics



The retention journey



XO Communications

The Need

improve its small business retention rate, a U.S. telecommunications company is using predictive analytics to anticipate voluntary customer defections.

The Solution

XO Communications adopted IBM SPSS Statistics and IBM SPSS Modeler software to help identify customers who were at a high risk of moving to another service provider.

What Makes it Smarter

- •Understanding critical data is key to identifying risk factors. XO Communications
- •Deployed an IBM SPSS predictive analytics solution that evaluates more than 500 variables for predicting customer defections within 90 days
- •Allowed the Customer Intelligence team at XO to build an accurate regression model keying on the 25 most relevant variables
- •Client service managers can then proactively prioritize outbound calls to at-risk accounts.

Real Business Results:

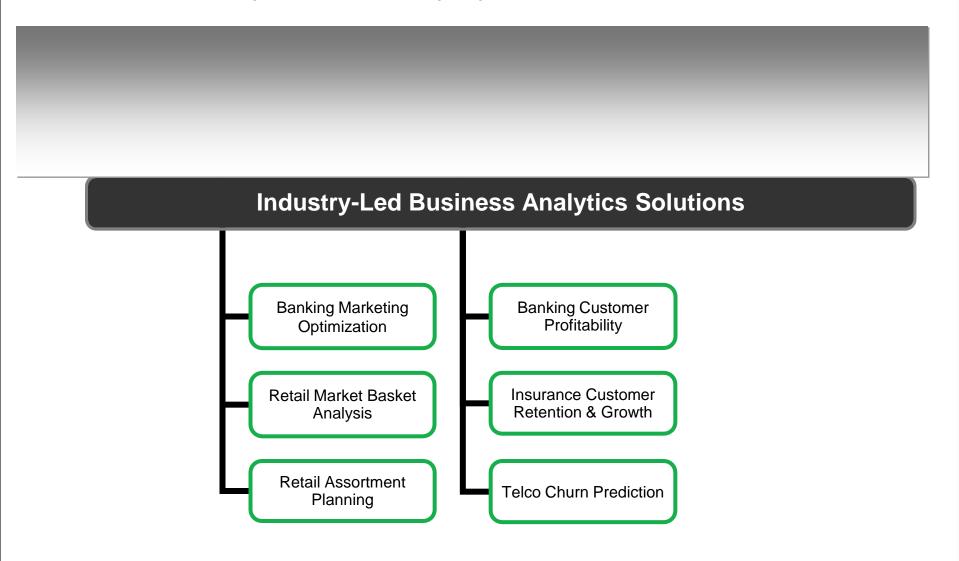
- 60 percent improvement in revenue retention rates
- Realizing millions of dollars in annualized revenue protection
- Fewer client services managers are needed for the same level of risk coverage



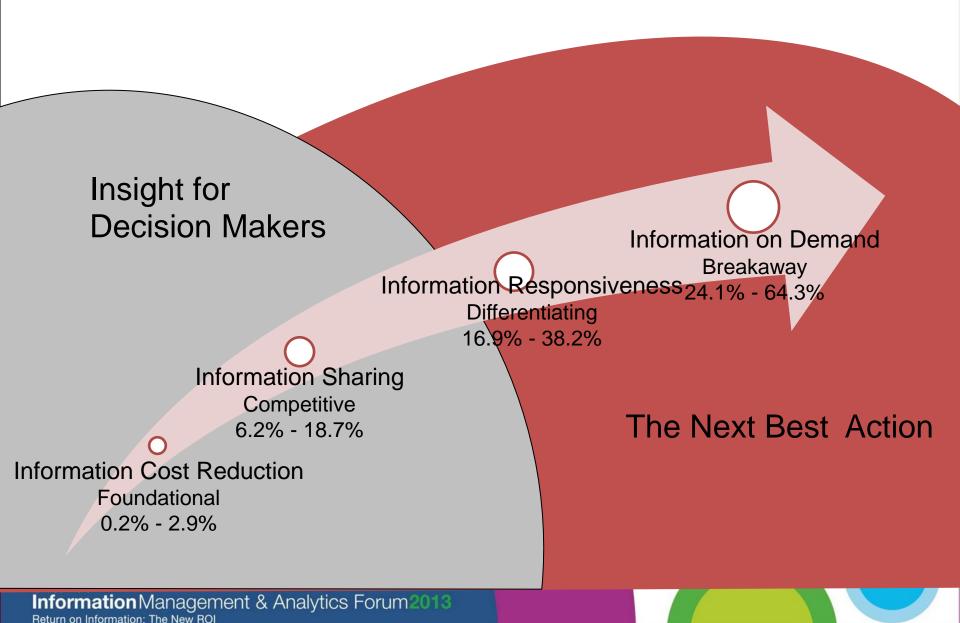
Solution Components

 IBM SPSS® Statistics and Modeler

Customer Analytics Industry Specific Solutions



Customer analytics maturity model



IBM Smarter Analytics Signature Solution

Next Best Action



Build long term customer relationships that drive enterprise business results—one interaction, one decision at a time

Solution overview

Deliver the most appropriate action at the right time across channels. Personalized interactions are enabled by:

- Comprehensive view of a customer
- Real-time analytics to anticipate customer behavior
- Cross-channel delivery of best action to address customer need and enhance long term business revenue

Solution benefits

- Improve service delivery and customer satisfaction
- Optimize revenue generating actions such as up sell, cross sell and retention
- Increase strategic lifetime value and loyalty

Business outcomes

- Communications company reduced customer churn by 15-20 percent
- Communications company increased client retention by 20 percent in two months
- Insurance company increased agent retention by up to 40 percent





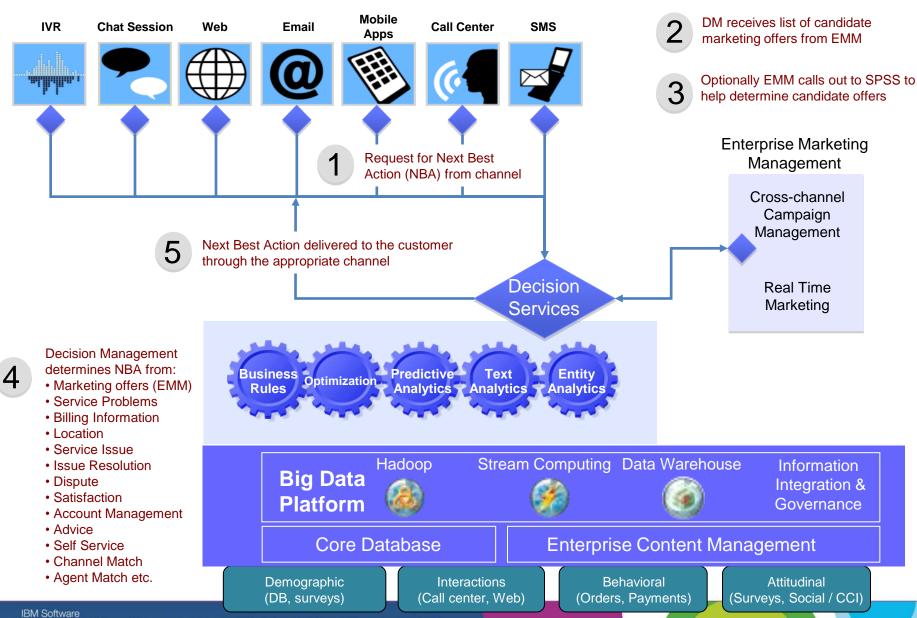


Telco

Banking/FM

Insuranc

Next Best Action: Decision Process Flow



Example: Next Best Action for Telecommunications

Operations





Speaking with the customer

Analytics



Building predictive models



Defining the Next Best Action



Creating marketing offers

Information

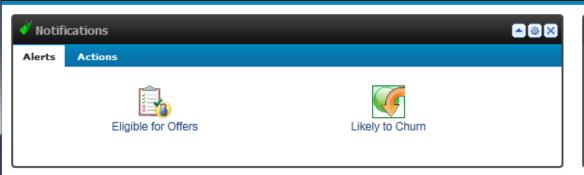




Establishes the Information Supply Chain



THE CALL CENTER AGENT

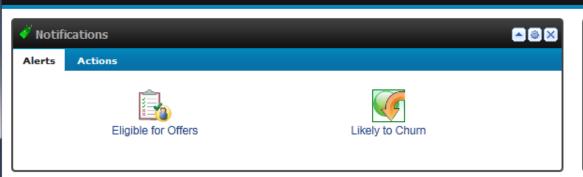






Customer Details

Find customer:



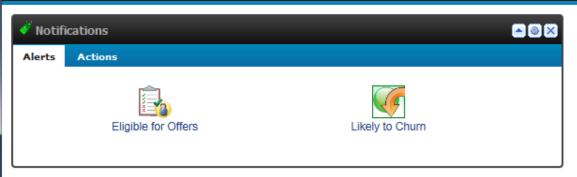




Month Opened	Case ID	Case Description	Case Status
Oct	26	GPRS Issue	Close
	15	Network Problem	Close
Sep	25	Handset Problem: microphone issue	Close

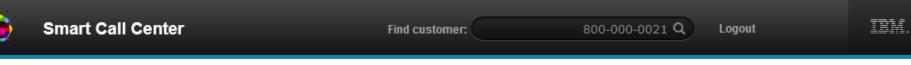
Trend	Tweet
	I really want a Blackberry Bold I still love my HTC though
•	Ugh, my phone keeps getting disconnected
•	Ok, now I'm getting really irritated. My phone dropped again!













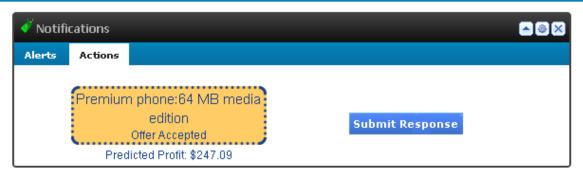




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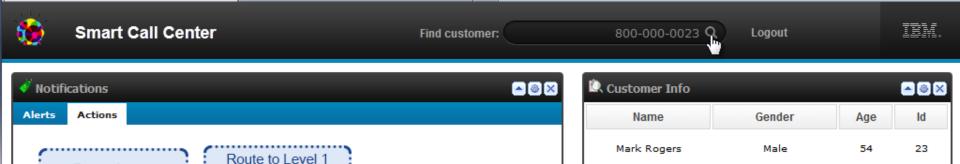












Education

Marital Status

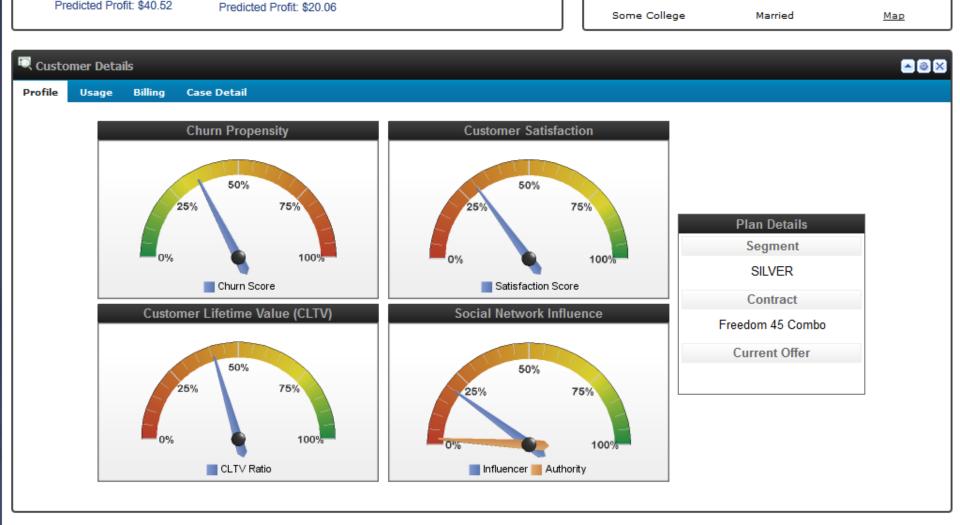
Location

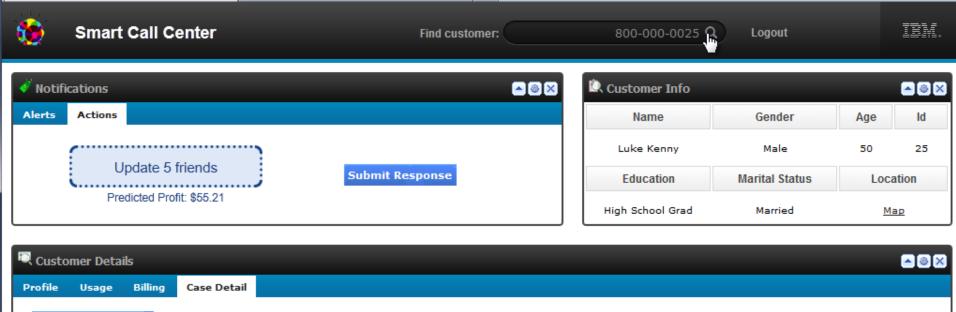
Submit Response

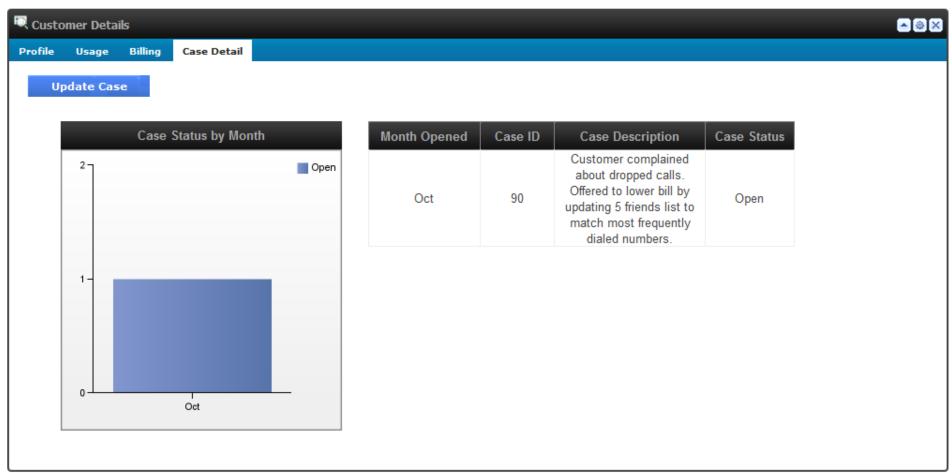
support

Free minutes

Predicted Profit: \$40.52









Cross-selling in the call center: 1st Year Results



Over €30M additional sales in the call center

- •IBM provided software and services to help **AEGON** implement IBM Predictive Analytics software for SCI across all channels:
 - Call Center, Voice Response
 - Outbound marketing
 - Web site
 - Intermediaries



- By integrating customer, network and product/services data, then analyzing breakdowns in service that affected large numbers of customers, France Telecom is able to identify and predict service outages.
- •When customers do call about service issues, the reps can provide them a clearer picture about the problem and expected resolution timeframe
- Applied to fixed line / internet / TV - Eliminated 25,000 calls per week about unexpected outages
- Now applying to mobile business
 - •IBM assisted France Telecom by providing
 - Predictive Analytics software to complement their existing analytics environment
 - Systems integration by IBM

