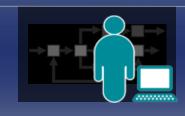
Driving better decisions across the Smarter Planet: The opportunity for Market Research in an instrumented, interconnected, intelligent world



... track disease outbreaks across country borders in real time?





... track disease outbreaks across country borders in real time?



An International Health Agency

Insight

 Near-real-time access to local and international disease data leads to better forecasts of health risks

Implications

- Hospitals and countries have more time to prepare for potentially disastrous disease outbreaks
- Comply with national privacy and security requirements

...catch money laundering before it happens?





Major Korean Bank

Insight

 Patterns or linkages across accounts, products or channels can predict illegal activity

Implications

 Detect money laundering before it happens by running over 100 scenario-based algorithms employing 300 variables



... apply social relationships of customers to prevent churn?





... apply social relationships of customers to prevent churn?



Major Telco

Insight

 Social networks and calling patterns can reveal the full value of a customer

Implications

- More effective customer retention programs
- More attractive and useful subscriber plans
- Identification of new target markets



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...identify at-risk students before they drop out of school?



...identify at-risk students before they drop out of school?



Mobile County Public School System

Insight

 There are early indicators when a student begins to have problems

Implications

- Proactive intervention when students cross at-risk thresholds
- Accountability information transformed into a strategic asset
- Better identify which programs are likely to work for each student



Our world is becoming smarter



Instrumented



Interconnected



Intelligent

enabling organizations to make faster, better-informed decisions

IBM

With this change comes an explosion in information ...

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... Yet organizations are operating with blind spots

Lack of Insight

1 in 3 managers frequently make critical decisions without the information they need

Inefficient Access

1 in 2 don't have access to the information across their organization needed to do their jobs

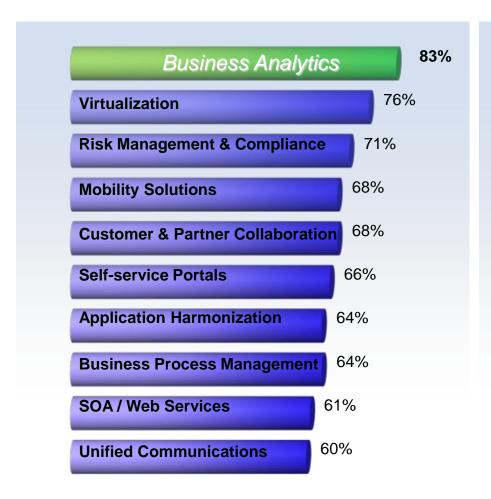
Inability to Predict

3 in 4 business leaders say more predictive information would drive better decisions



CIOs are focused on analytics and trusted information, tied to business needs

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Source: IBM Global CIO Study 2009, n = 2345

Source: IBM: Break Away with Business Analytics and Optimization Study

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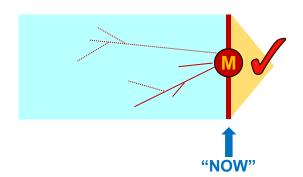


The Predictive Advantage

Predict & Act

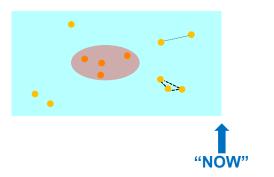
Deploying Predictive Models

- Leverage current and historical data
- Make robust predictions on current and future cases
- Embed in business processes to transform decision making and drive better outcomes



Predictive Analytics:

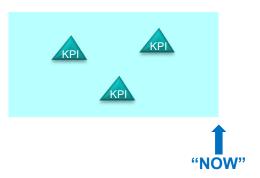
- Algorithms automatically discover significant patterns
- Deliver deep insights to improve strategic and operational decision making
- •"Learn" from historical data create predictive models



Traditional BI and Conventional Analysis:

- Insight, metrics, etc. up to this point in time
- · User initiative to explore aggregate data





IDC - Independent Financial Impact Studies



"The median ROI for the projects that incorporated predictive technologies was 145%, compared with a median ROI of 89% for those projects that did not."

Source: IDC, "Predictive Analytics and ROI: Lessons from IDC's Financial Impact Study"



How Decision-Making is Changing

Quality and value of decisions

Decisions from "Intuition"

- "Instinct"
- "Hunches"
- Based on experience

"We are in a historic moment of horse-versus-locomotive competition, where intuitive and experiential expertise is losing out time and time again to number crunching."

Ian Ayres, author of "Super Crunchers"

How Decision-Making is Changing

Quality and value of decisions

Decisions from "Intuition"

- "Instinct"
- "Hunches"
- Based on experience

Automated Decision-Making

- Knowledge, policies and practices embodied in business rules
- Decisions made efficiently and consistently
- Objective



How Decision-Making is Changing

Quality and value of decisions

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Automated Decision-Making

- Knowledge, policies and practices embodied in business rules
- Decisions made efficiently and consistently
- Objective

Predictive Decision-Making

- Accurate predictions based on historic patterns
- · Leverage all available data
- Flexible, evidence-based decisions
- Robust in volatile environments models re-generated from latest data to reflects changing fashions, trends, etc.

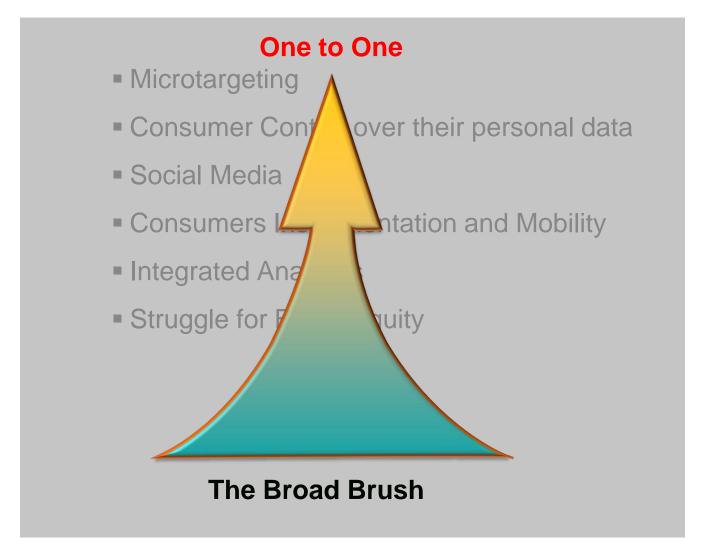
Context: The Customer (Employee, Citizen, ...)



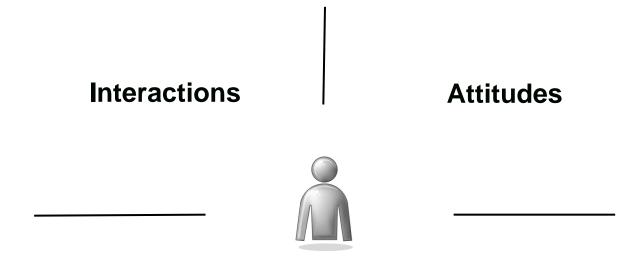


Trends in Customer Analytics - today's market - Multiple Disruptions

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Data at the Heart of Analytics



Descriptions

Behaviours

Data at the Heart of Analytics

Interactions How?



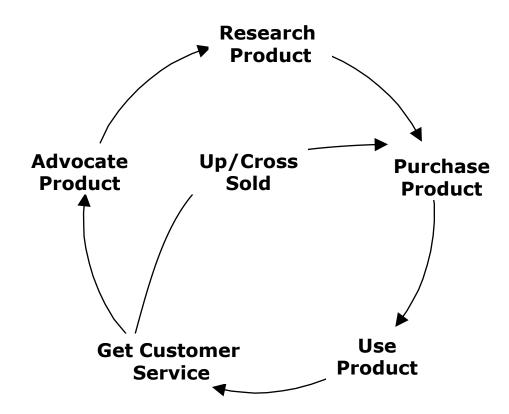
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Attitudes Why?

Descriptions Who?

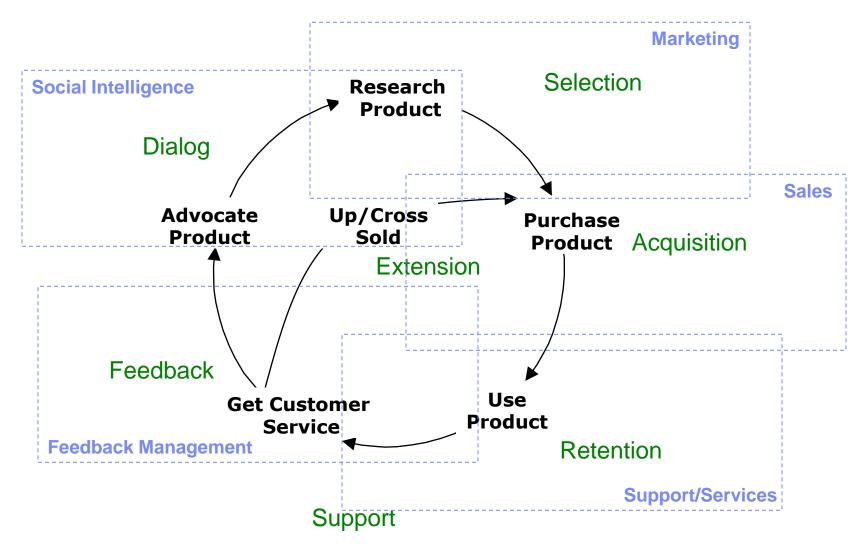
Behaviours What?

The Customer Life Cycle

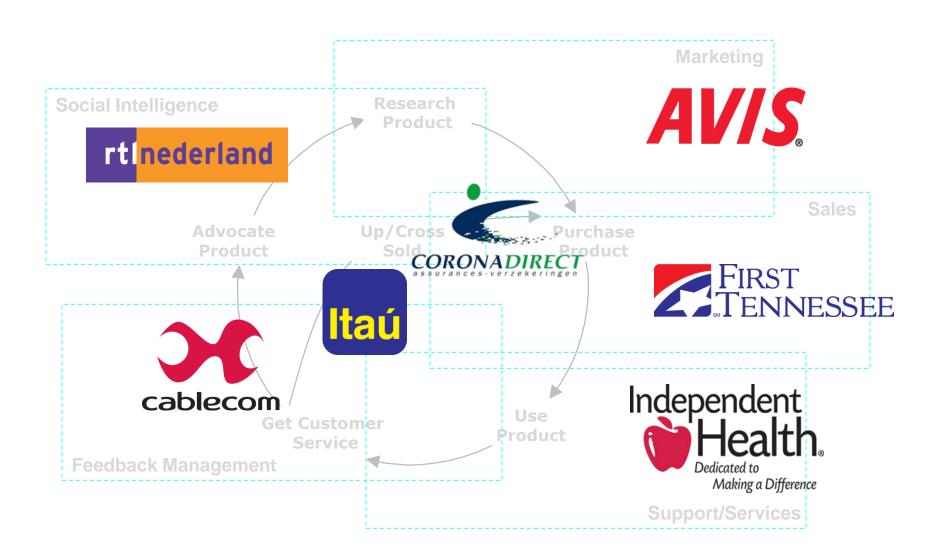




Each part of the organization plays a critical role of the Customer Life Cycle



Customer Life Cycle – Case Studies

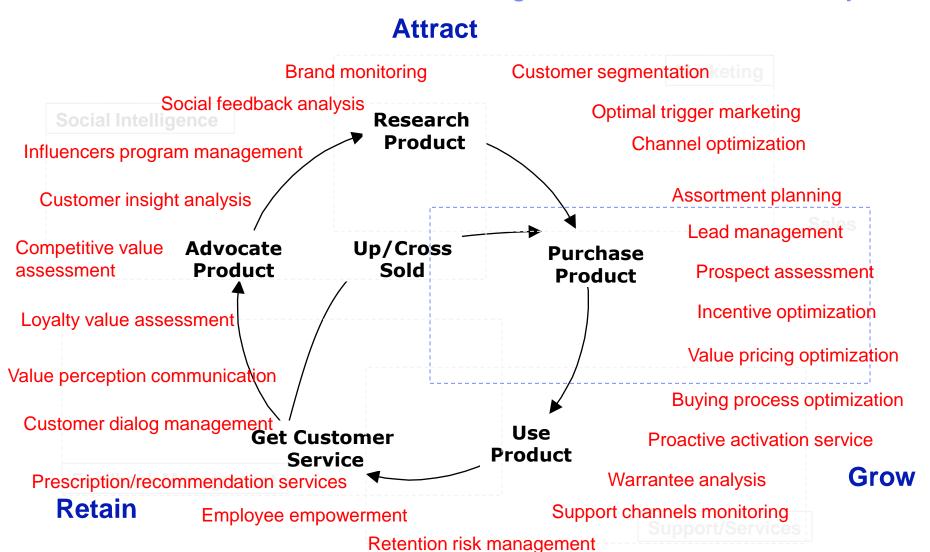


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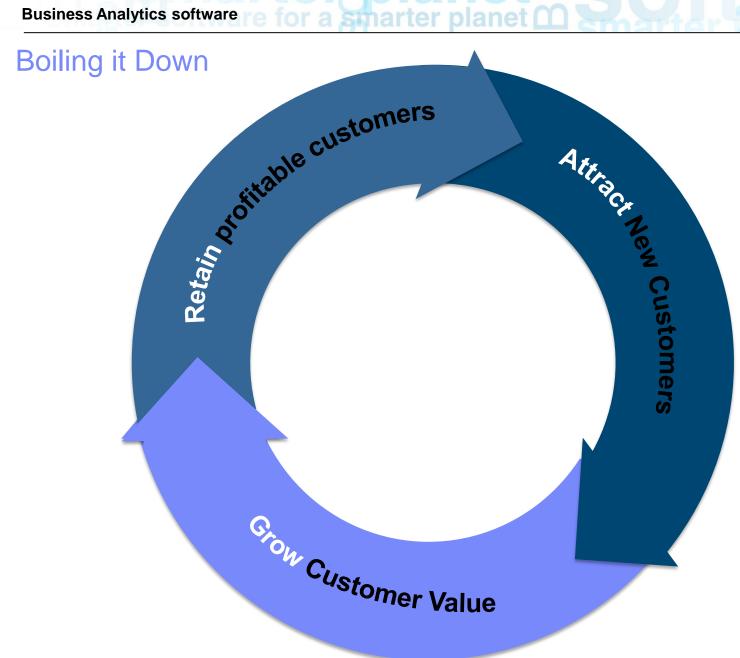


IBM has Proven Solution for each stage of the Customer Life Cycle

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inien net management





Data at the Heart of Analytics

Interactions

Customers <=> Company

Customers <=> Customers



Attitudes

Descriptions

Behaviours

Digital Noise = Semantic Deafness



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The Noise Volume is Increasing

Products Proliferation

TNS Media Intelligence has 4 million brands in its database growing at 700 a day, over 10% a year



mestic.fr





Networks

Proliferation



中国团购在线













GROUPON
Collective Buying Power

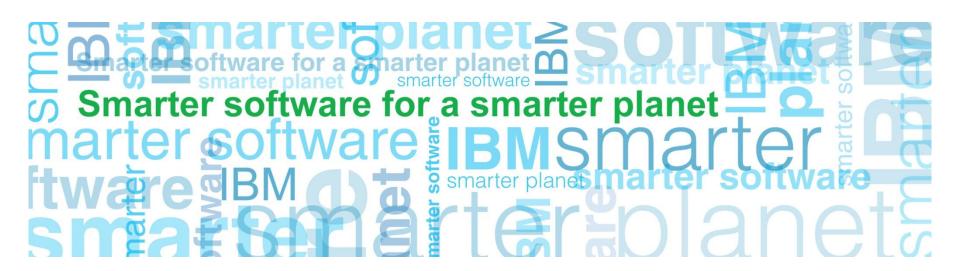




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Them for Today: The *Opportunities*



Data at the Heart of Analytics

Interactions Attitudes

Descriptions

Behaviours



Data at the Heart of Analytics

Interactions

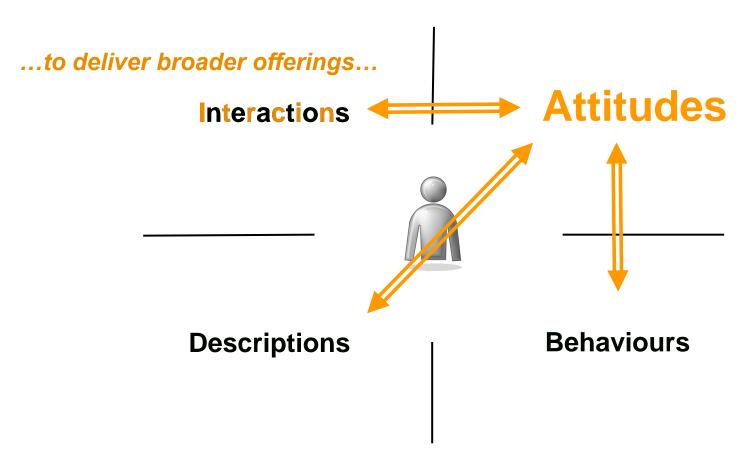
Attitudes

Descriptions

Behaviours

For the Agencies

Build on a position of strength....



...and <u>add value</u> by helping clients tackle key business problems

Data at the Heart of Analytics

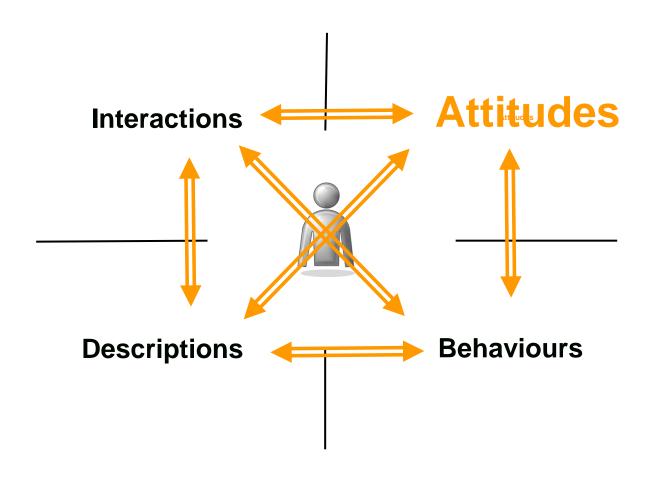
Interactions

Attitudes

Descriptions

Behaviours

For the User Organisations



...deeper insight, greater accuracy of prediction, <u>higher returns</u>



Case Study: Cablecom



- Based in Switzerland
- Core business: cable TV
- Diversified into:
 - Broadband internet access
 - -Digital phone
 - -Pre-paid mobile
- Business issue: retention of broadband customers
 - -High cancellation rate at end of initial contract



Identified crucial point in lifecycle



- Created customer satisfaction survey, run at month7 of initial contract
- ■Ten "0-10" questions, one free text
- Converted to single "satisfaction score", 0-100
 - -100 = perfectly satisfied
 - 0 = totally dissatisfied



Predictive approach



- Combined satisfaction scores with other data assets:
 - -Demographics
 - -Product ownership and usage behavior
- Built models to predict satisfaction score for <u>all</u> customers
- Used predictive satisfaction score to drive retention marketing
- Result: churn reduced from 19% to 2% in treated group



Cablecom example 2: NPS plus text mining



Net Promoter Score (NPS)

"On a scale of 0-10 how likely is it that you would recommend Cablecom to a friend or colleague?"





Combine NPS (KPI) with Customer Feedback (key to actions) and Text Mining

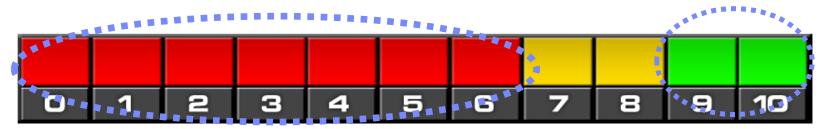


Supplementary open ended question:

- Promoters
 - "what is the single most important thing that makes you *likely* to recommend us?"

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- Passives
 - " what is the single most important thing we could do to make you more <u>likely</u> to recommend us?"
- Detractors
 - " what is the single most important thing that currently makes you *unlikely* to recommend us?"



Fix these things

Do more of these things



Results



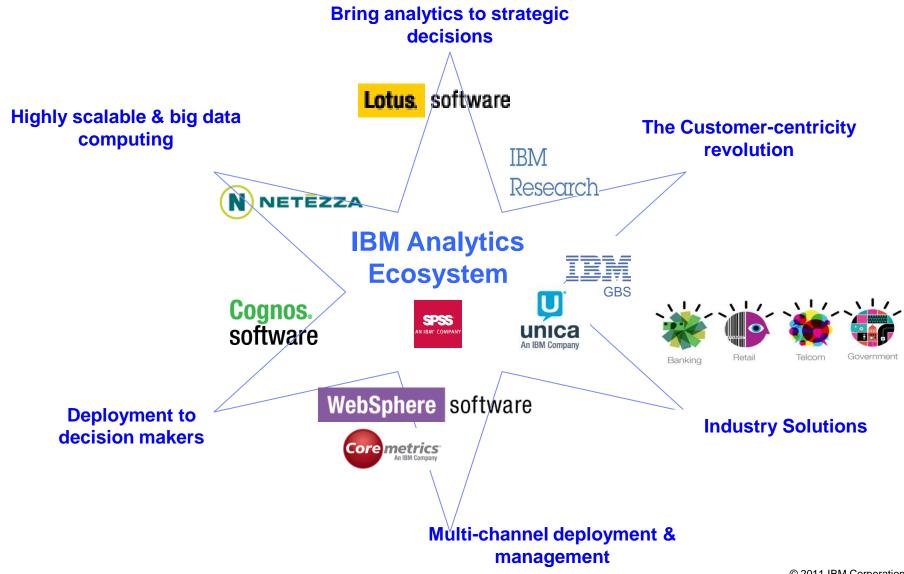
- Macro level:
 - Information from supplementary question, categorised, reveals areas for improvement (product owners, market managers, operations managers)
- Micro level:
 - -Customer issues drive 1:1 interactions and resolutions
- In 3 months:
 - -Satisfaction improved in > 50% of cases
 - -23% of detractors converted to promoters



Agenda

09:00	Breakfast and registration
10:00	Colin Shearer (IBM): Driving better decisions across the Smarter Planet: the opportunity for Market Research in an instrumented, interconnected, intelligent world.
10:30	Phyllis Macfarlane (GfK NOP): "The Future of Market Research: Listening for the Unexpected or Passive measurement, Data Integration and Modelling?"
11.00	Coffee
11.20	Nick Read (IBM): "The Rise of Predictive Analytics"
11.50	Jonathan Thomson & Thomas Edwards (Synovate): "Data Collection from the South Pole!"
12.20	Jason Cregor (IBM): "Cloud Computing & Market Research - Opportunity or Threat?"
12.50	Lunch
13:45	James Turner (ICM Direct): "Are we Negotiating the Data Deluge?"
14:15	Dixit Shah (IBM): Social Media Analytics
14:45	Closing, Q&A
15:00	1-to-1 sessions, data mining for research demonstration, coffee and networking

SPSS AND IBM Technology



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