

# Intelligent Analytics and Optimization for Smarter Business





### Optimize Campaign Across Multiple Channels

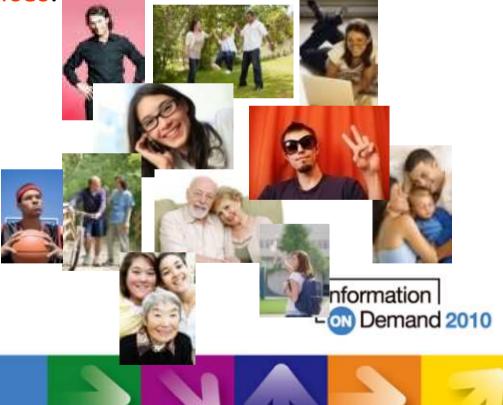
Simon Ng Senior I/T Specialist, IBM





### Campaign Insight & Optimization

- Enhance your existing customer relationships via cross selling and targeting the right customers and prospects with both the right products and services.
  - Increase lead generation
  - Enhance revenue
  - Reduce campaign costs















Step 1 How to change Customer Contacts to Customer Information

















**Customer Contacts** 





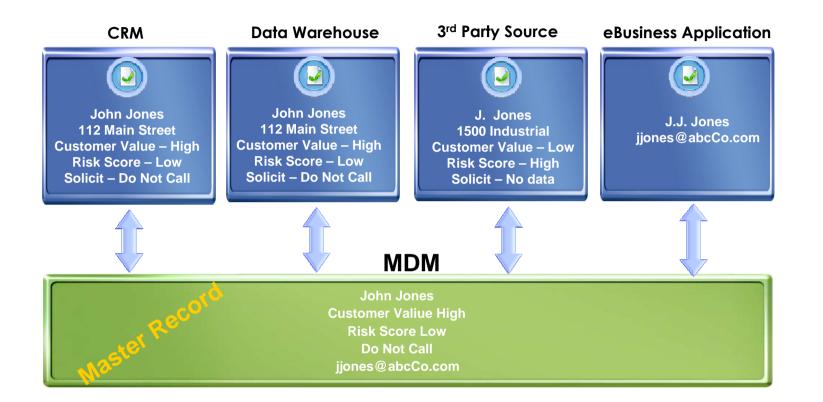
#### **Customer Info**

- Demographics
- Account Activity
- Product Holdings





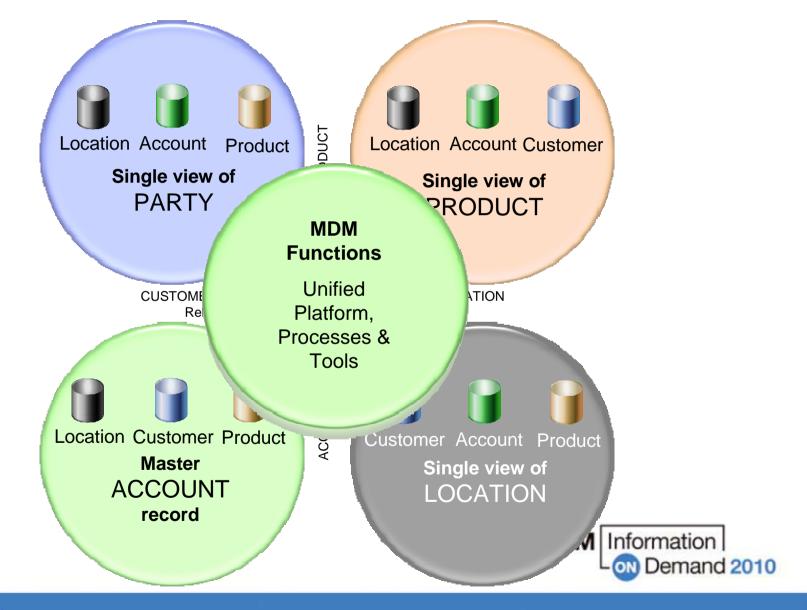






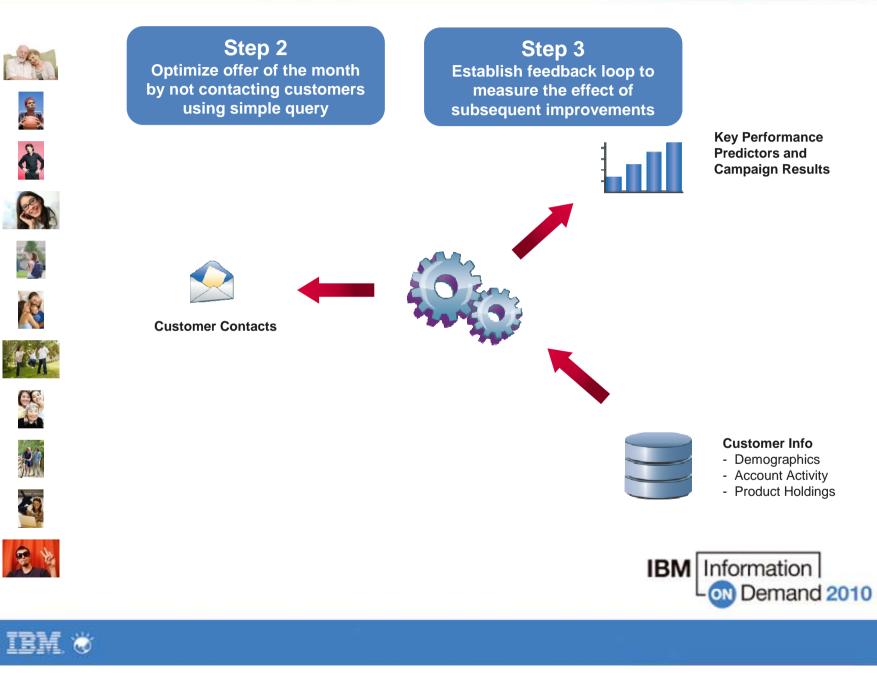














### Simple

one product, one architecture

### Complete

all capabilities, all users, all data

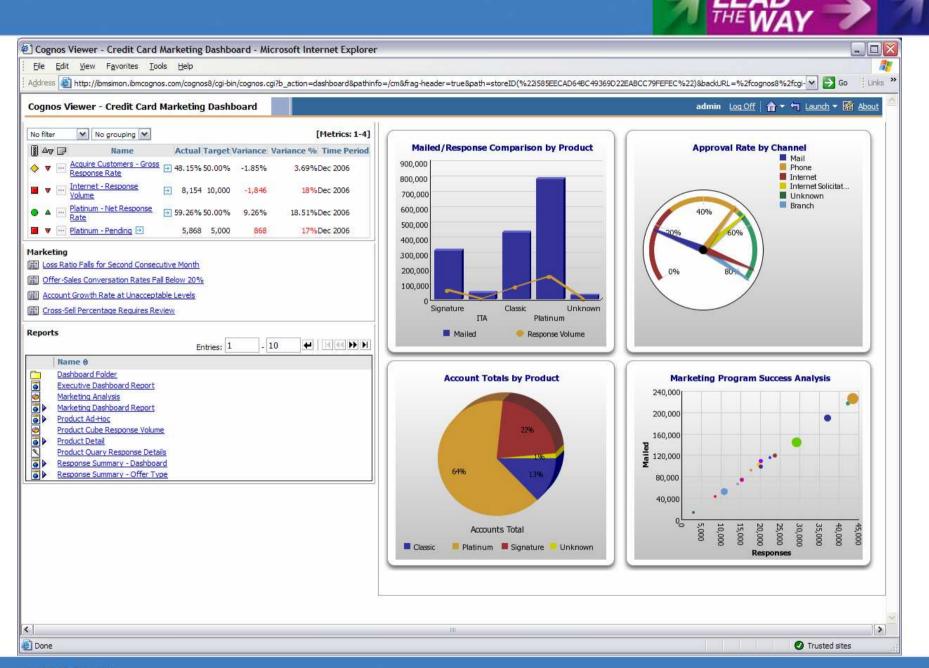
#### Proven

proven technology from the leader in BI











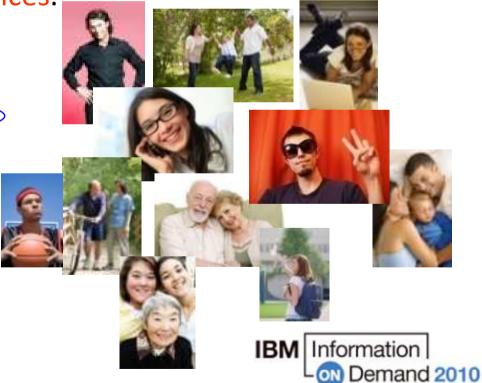
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Karly Millers	Employee -							
James Ripley		Fax			les	a a	enter	
Paula Merkley	Quantity	Fax	Telephone	Web	Sales visit	Mail	E-mail	Special
- 📼 Vern Ritchie	Pierre Lavoie	25,160	74,652	360,650	181,713			
George Harrows	Rhonda Cummings		114,520	497,473	44,050	36,434	3,532	
		23,932	260,053	514,702	173,154	454	6,408	
Charles Laurel	Audrey Lastman	23,932				FCF		
Vera Parry	Bart Scott		228,017	566,119	2,157	2	1,447	40,90
Alex Rodriguez	Margaret Lewiston		23,802	193,457	50,861			14,08
Samantha Floyd	Eric Carson	69,009	37,990	644,000	113,822		34,806	
- Julie Olsen	Harold Germaine	39,511	28,304	205,895	34,713	2,271	11,752	
- Ilie Olsen	Janice Thomas		147,500	630,274	218,588	100,735		
→ More Canada	4 - CA - SA							
	Karly Millers	36,732	65,026	251,271	33,892	2,258	643	
⊕ == Hexico	James Ripley	22,676	123,770	361,620	101,560	12,131	946	
€ - ■ Asia Pacific	Paula Merkley		203,527	337,811	19,785	10,123	5	
€ - ■ Northern Europe	Vern Ritchie		127,872	2,165				
⊕ == Central Europe	21		12,70,2	2,100				
🖅 📼 Southern Europe	More							
Employee (by position-department)	Employee by region(All)	1,480,014	7,252,844	68,458,305	6,813,412	953,055	3,642,659	636,80
🕀 🚍 Position-department		•						
🕀 📲 Organization								
🗄 📲 Sales order dimension								
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Fax								
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- Mail								
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- 🚥 E-mail - 🚥 Web - 🚥 Sales visit - 🚥 Special								
E-mail E-	Filter - Émployee							Heli
E-mail Becial Sales visit Becial Special Product Becial		of items in a selected	set. Combine filte	rs to create custom	conditions (AND and	OR).	Cor	111-111-1
E-mail Web Sales visit Secial P-B Product Product P-S New product	Create a filter to limit the number	of items in a selected	set. Combine filte	a gana ter taken aktion ter ter area	D. Colling Colling & Colling & Colling	1900/49/11		Heli Non- filter lin
	Create a filter to limit the number		6107	Operator	Value	For c	olumn	111-111-1
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E-mail Web Sales visit Special Product Product (by brand) Se Retailer Product Setailer Promotions Promotions Branch	Create a filter to limit the number		6107	Operator	Value	For c Defau Defau Fax Teleph	olumn It t	1 Average
E-mail Web Sales visit Special Beroduct Mew product Retailer Retailer Setailer site Setailer site Setailer site	Create a filter to limit the number		6107	Operator	Value	For c Defau Defau Fax	olumn It t	1 Average

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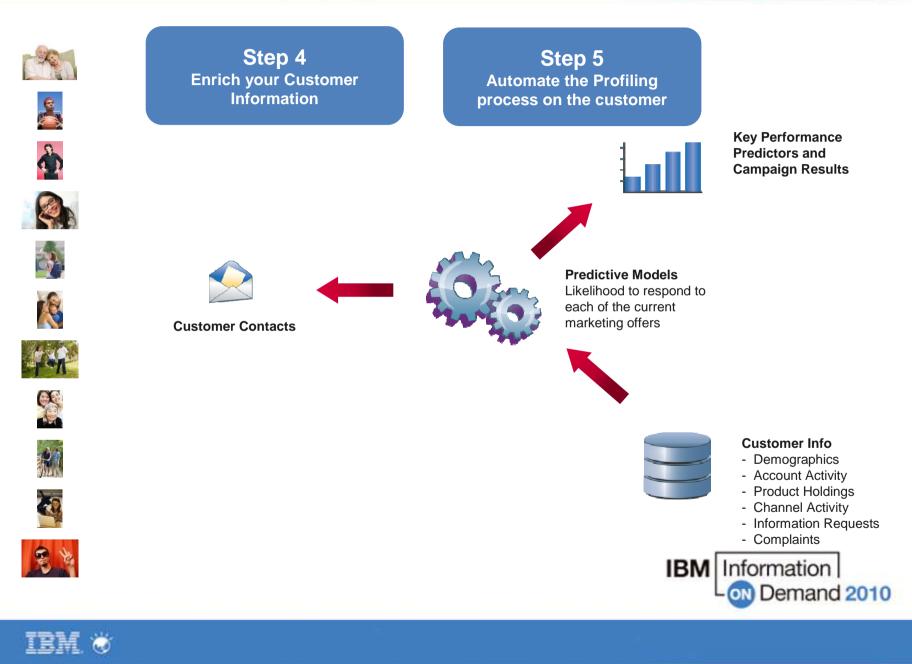
### **Campaign Insight & Optimization**

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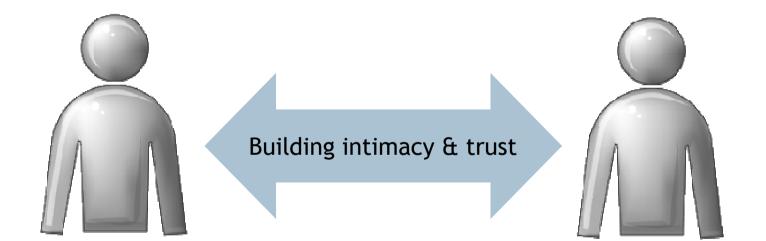








### A Conversation...







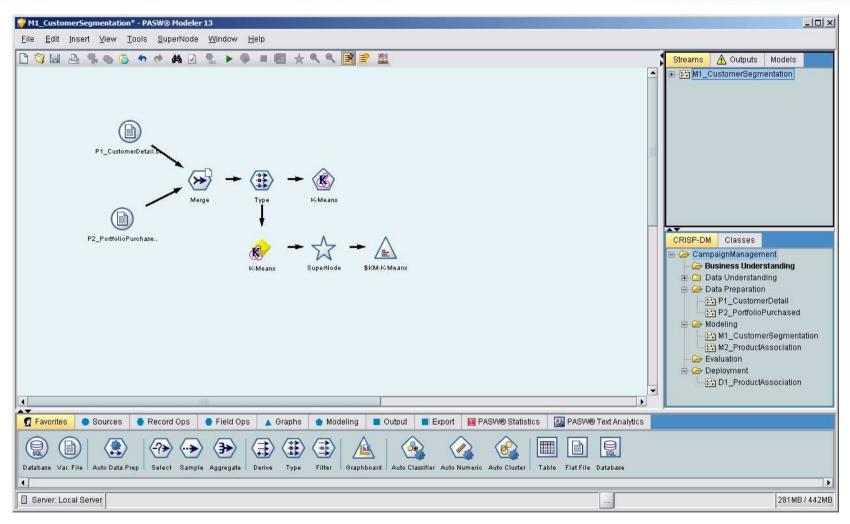


## ... With Millions of People





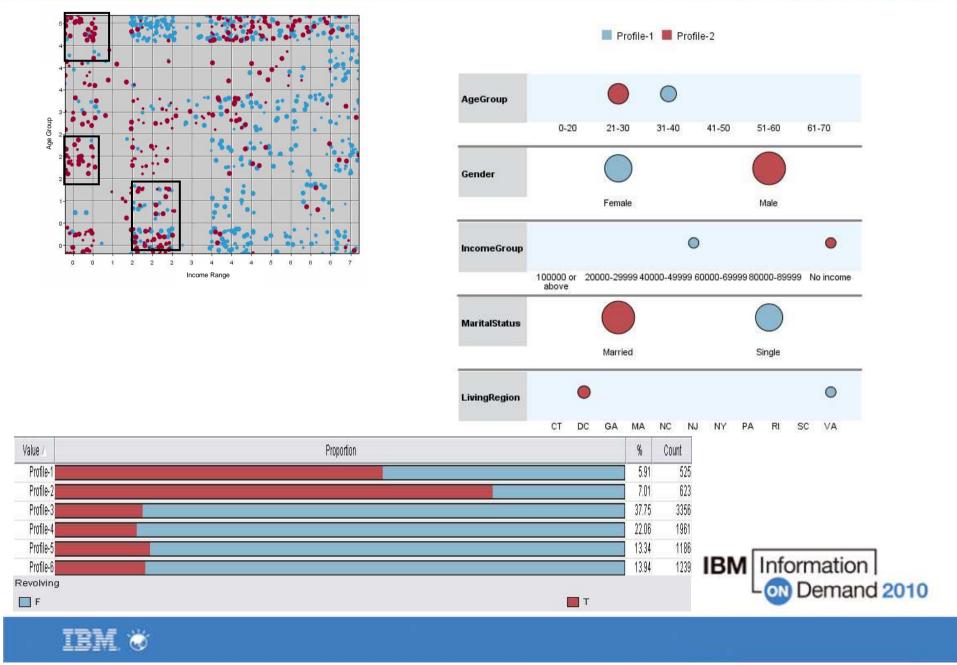














Key Performance Predictors and Campaign Results















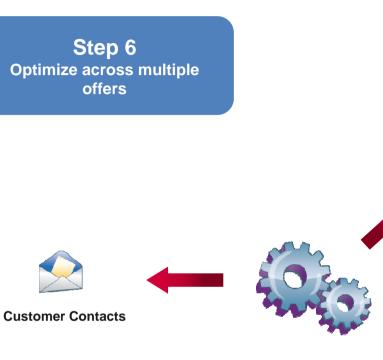










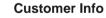


Next Best Action Best 3 offers recorded for every customer individually

	Customer	ID	1	2	3
	12435		А	С	F
	56437		В	G	D
	59235		Н	С	-
	45276		-	-	-
	Etcetera				
U					

Predictive Models Likelihood to respond to each of the current marketing offers



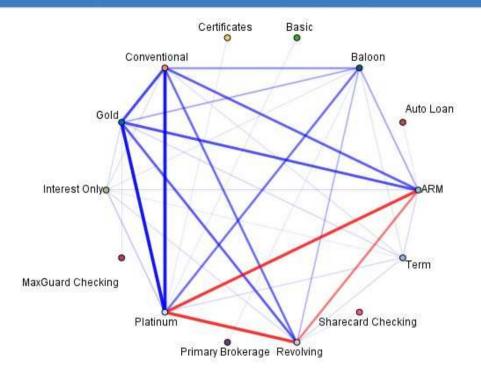


- Demographics
- Account Activity
- Product Holdings
- Channel Activity
- Information Requests
- Complaints









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Sort by Lift 🗸	• <b>• • •</b>		3021	of 3021
Consequent	Antecedent	Support %	Confidence %	Lift
PortfolioSubType = 3.5% Interest	LivingRegion = NY LovaltyType	1.433	10.0	1.856
PortfolioSubType = 3.5% Interest	LivingRegion = PA AgeGroup = 41-50	1.433	10.0	1.856
PortfolioSubType = 3.5% Interest	IncomeGroup = No income AgeGroup = 21-30 MaritalStatus = Married	1.146	10.0	1.856
PortfolioSubType = 3.5% Interest	ProductTypePreference1 = PDAs AgeGroup = 31-40 Gender = Female	1.146	10.0	1.856
PortfolioSubType = Flex Revolving	ProductTypePreference1 = Flat AgeGroup = 21-30		63.415	1.568
PortfolioSubType = Locked Revolving	ProductTypePreference2 = MP3 AgeGroup = 21-30		60.417	1.561
PortfolioSubType = Locked Revolving	ProductTypePreference2 = Moti AgeGroup = 21-30	1.175	58.537	1.513
PortfolioSubType = Flex Revolving	LivingRegion = DC \$KM-K-Means = Profile-2	1.003	60.0	1.484
PortfolioSubType = Flex Revolving	AgeGroun = 21-30 LivingRegion = DC \$KM-K-Means = Profile-2	1.003		1.484
	AgeGroup = 21-30 MaritalStatus - Married	1.003	60.0	
PortfolioSubType = Flex Revolving	LivingRegion = DC \$KM-K-Means = Profile-2	1.003		1.484
	AgeGroup = 21-30	1.003	60.0	
PortfolioSubType = Flex Revolving	Gender - Male LivingRegion = DC			

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	Customerid	1 st Interested Scheme	Confidence Lv.	2nd Interested Scheme	Confidence Lv.	3rd Interested Scheme	Confidence Lv.	
	1354	Locked Revolving	0.494	Flex Revolving	0.466	3.5% Interest	0.119	
	1380	Locked Revolving	0.568	Flex Revolving	0.449	5% Interest	0.194	
	1385	Locked Revolving	0.496	Flex Revolving	0.494	3.5% Interest	0.146	
	1393	Flex Revolving	0.522	Locked Revolving	0.407	4.5% Interest	0.135	
	1401	Locked Revolving	0.552	Flex Revolving	0.486	4.5% Interest	0.135	
	1402	Flex Revolving	0.514	Locked Revolving	0.458	4.5% Interest	0.133	
	1404	Locked Revolving	0.522	Flex Revolving	0.476	3.5% Interest	0.140	
	1418	Flex Revolving	0.500	Locked Revolving	0.472	\$null\$	\$null\$	
	1420	Locked Revolving	0.524	Flex Revolving	0.482	3.5% Interest	0.146	
)	1429	Locked Revolving	0.509	Flex Revolving	0.500	\$null\$	\$null\$	
	1459	Flex Revolving	0.581	Locked Revolving	0.490	5% Interest	0.105	
2	1462	Flex Revolving	0.581	Locked Revolving	0.522	4.5% Interest	0.116	
3	1495	Locked Revolving	0.548	Flex Revolving	0.443	\$null\$	\$null\$	
1	1499	Flex Revolving	0.542	Locked Revolving	0.510	3% Interest	0.140	
5	1518	Locked Revolving	0.500	Flex Revolving	0.485	5% Interest	0.164	
6	1522	Locked Revolving	0.524	Flex Revolving	0.485	5% Interest	0.164	
	1546	Locked Revolving	0.548	Flex Revolving	0.522	3.5% Interest	0.154	
1	1563	Flex Revolving	0.477	Locked Revolving	0.468	\$null\$	\$null\$	
C.	1569	Locked Revolving	0.554	Flex Revolving	0.511	3% Interest	0.140	
)	1588	Locked Revolving	0.534	Flex Revolving	0.525	3% Interest	0.131	















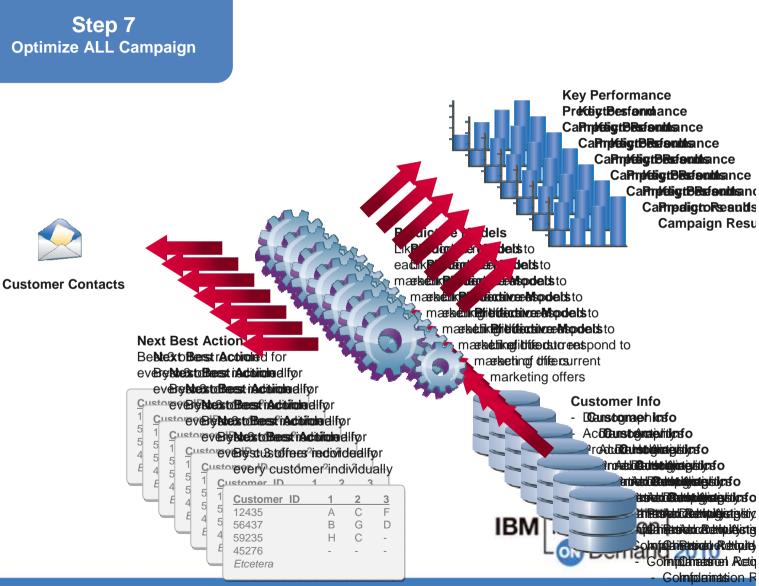






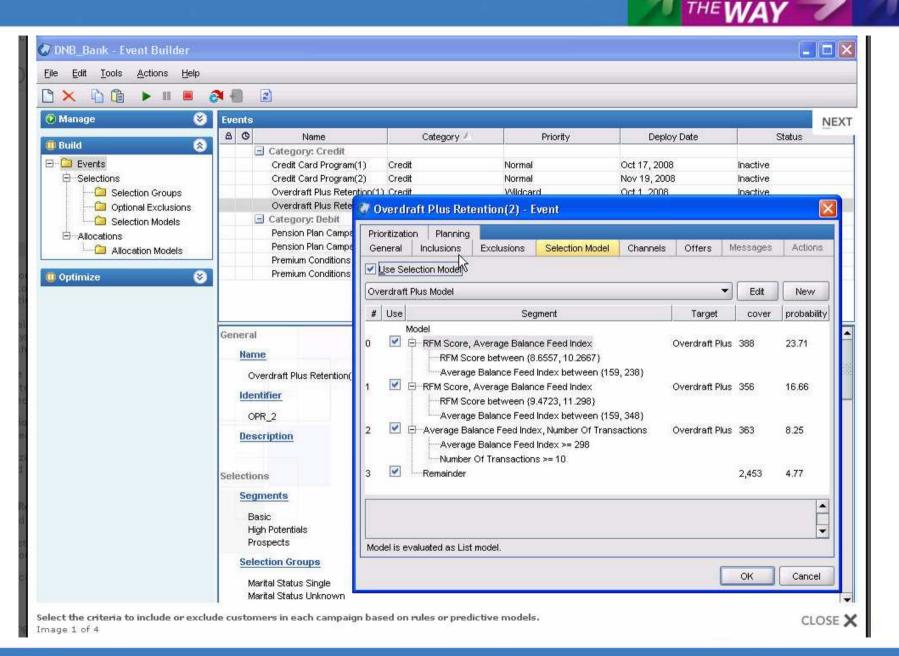




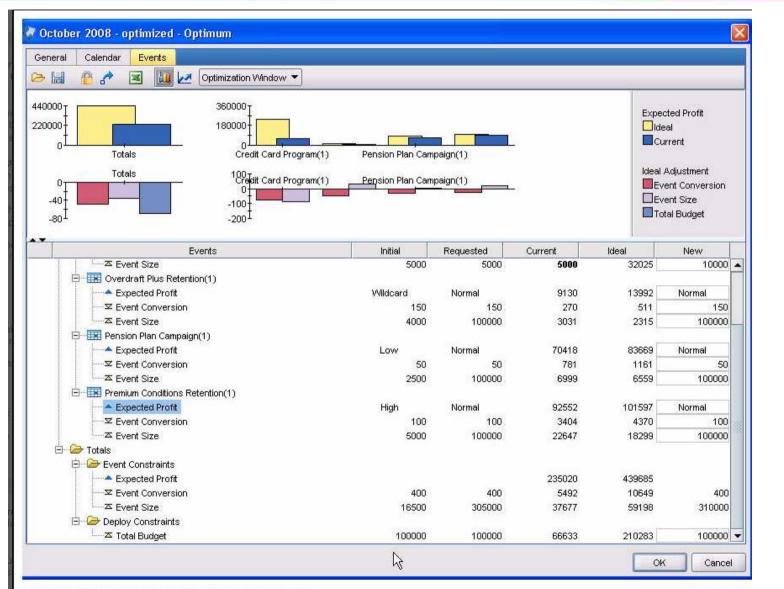




- Complaints







Automate allocations based powerful optimization algorithms. Image 2 of 2 CLOSE X





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### Thank You!





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