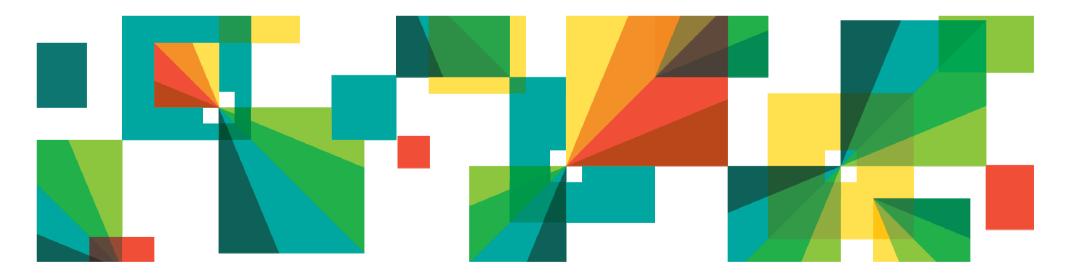
Dominique Di Grande – Business Analytics Specialty Architect 21 Mars 2012

# **Business Analytics: Driving Profitable Growth, Addressing Regulation and Risk**









More organizations see

As competitive advantage

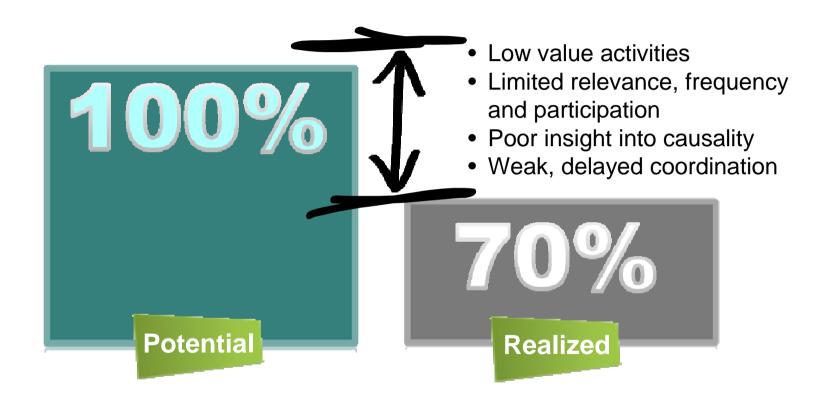


220%

Organizations competing on analytics substantially **Outperform** their peers



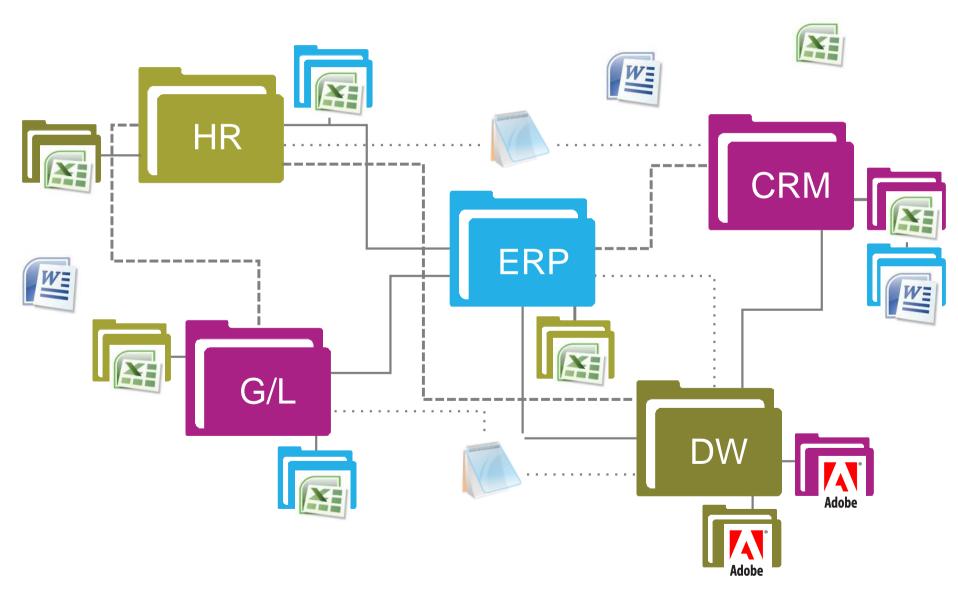
### Performance potential squandered by poor practices



30% of performance potential is lost due to subpar performance management



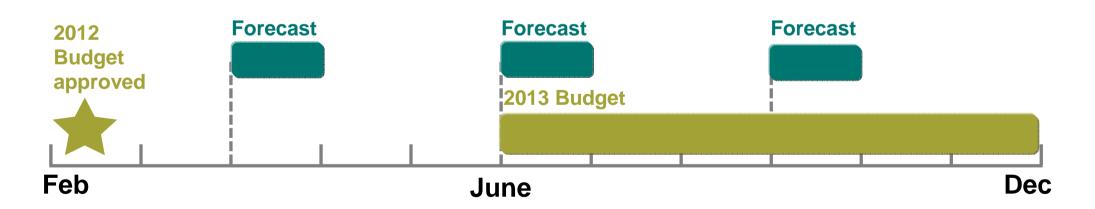
### Technology foundation is under pressure





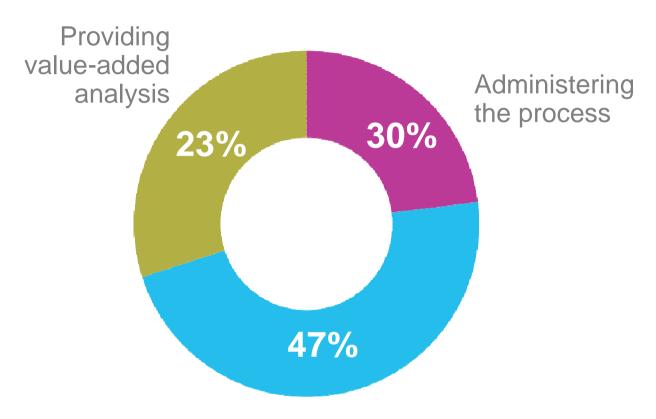
### Speed and agility do not match the marketplace volatility

"For 55 percent of companies, their budget assumptions are useless by three months into the new year."





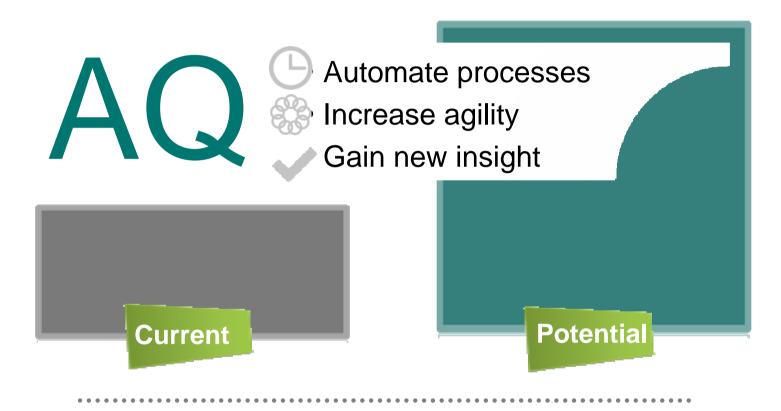
### Staff leverage is weak



Collecting and validating the data

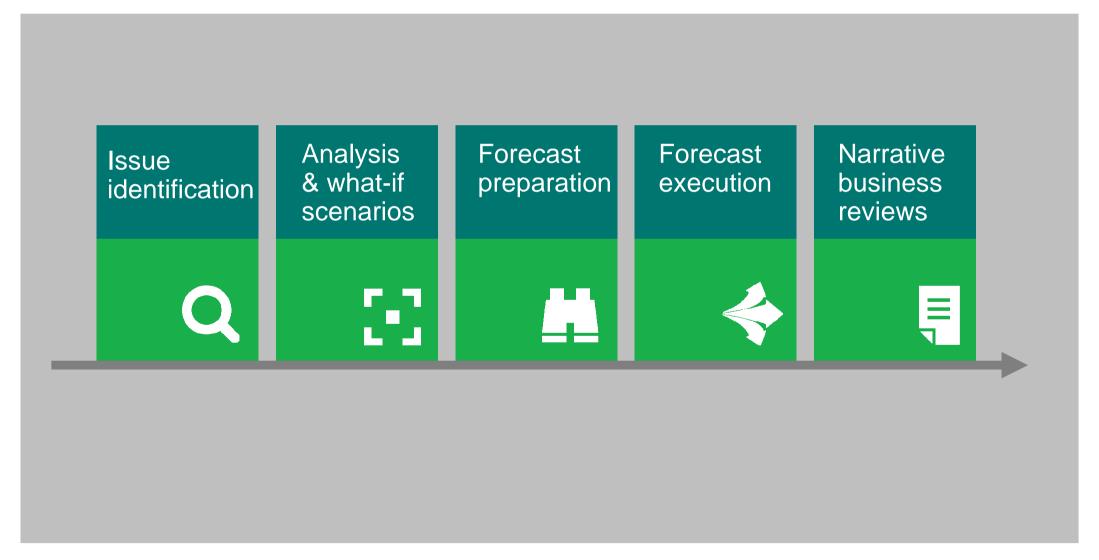


### Raise your analytic maturity to gain the time, control, and confidence

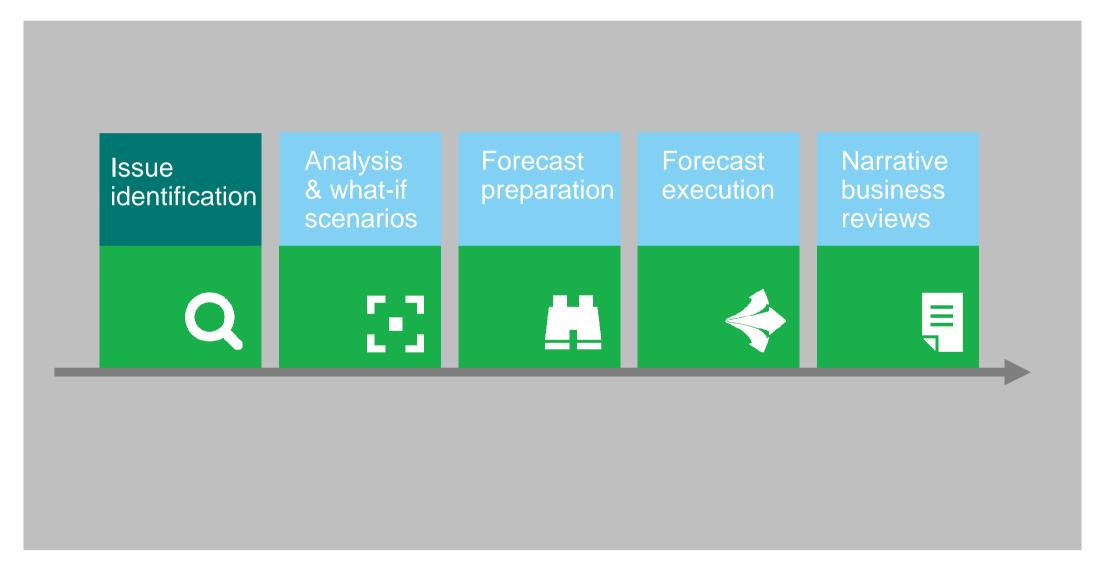


The more you infuse analytics into your business, the higher your AQ and the better you and your business will perform











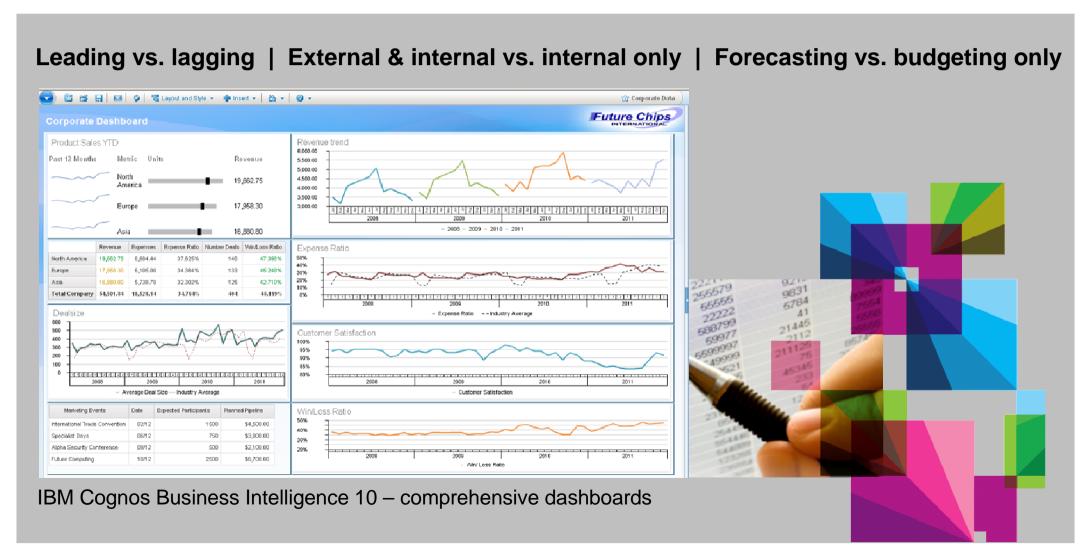
Monthly reports do not help us understand root causes ... or profitability levers



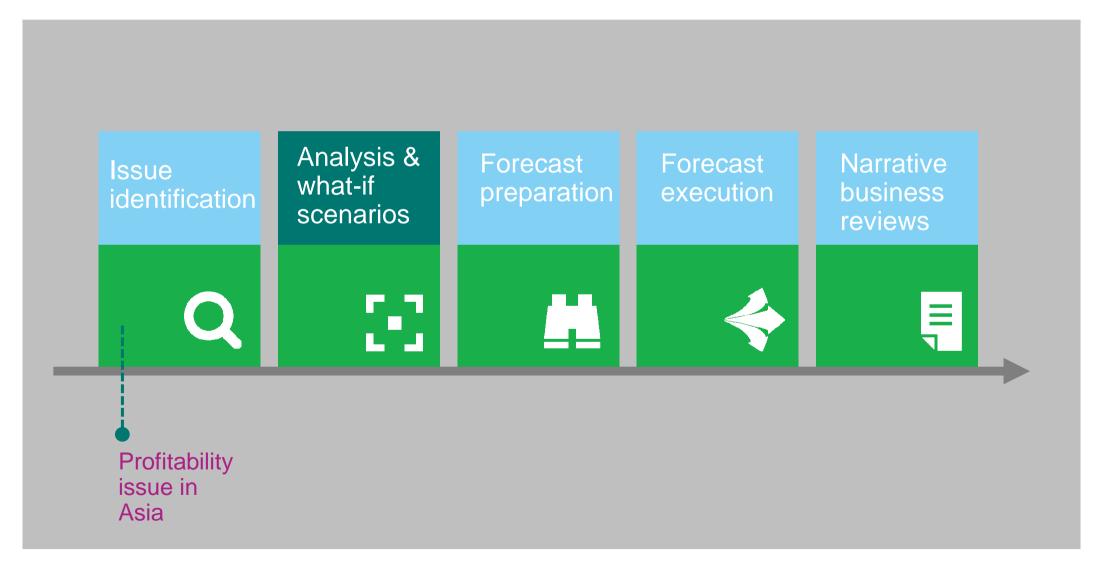
800 800 <b>4,200</b> 230 150 380	Actual 4,900 750 <b>4150</b> 210 200 410	Variance (100.0) (50.0) (50.0) (50.0) (20.0 (50.0) (30.0)	Variance 9 -2.0% -6.3% -1.1%  9.5% -25.0% -7.3%
5,000 800 <b>4,200</b> 230 150 380	4,900 750 <b>4150</b> 210 200 410	(100.0) (50.0) (50.0) (50.0) (50.0) (30.0)	-2.0% -6.3% -1.1% 9.5% -25.0%
230 150 380	750 <b>4150</b> 210 200 410	(100.0) (50.0) (50.0) (50.0) (50.0) (30.0)	-2.0% -6.3% -1.1% 9.5% -25.0%
230 150 380	750 <b>4150</b> 210 200 410	(50.0) (50.0) (50.0) (50.0) (30.0)	-6.3% -1.1% 9.5% -25.0%
230 150 380	4150 210 200 410	20.0 (50.0) (50.0) (30.0)	-1.1% 9.5% -25.0%
230 150 380	210 200 410	20.0 (50.0) (30.0)	-1.1% 9.5% -25.0%
230 150 380	210 200 410	20.0 (50.0) (30.0)	9.5% -25.0%
150 380 80	200 410 75	(50.0) (30.0)	9.5% -25.0%
150 380 80	200 410 75	(50.0) (30.0)	-25.0%
150 380 80	200 410 75	(50.0) (30.0)	-25.0%
150 380 80	200 410 75	(50.0) (30.0)	-25.0%
380 80	410 75	(50.0) (30.0)	-25.0%
80	75	(30.0)	-25.0%
	75		
			-7.3%
80			
	75	5.0	
	/3	5.0	6.7%
		3.0	6.7%
800	740		0.7 70
120	710	00.0	
920	120	90.0	42.
	830		12.7%
1,380		90.0	0.0%
	1,315		10.8%
2,820		650	- # i.m \to
	4,835		4.9%
		15	1.370
512			Ď Enu
	501		0.5%
,308,		11.5	
	2,334	****	
	The state of the s	27	2.2%
		The second second	1.1%
	920 1,380 2,820 512	1,380 1,315 2,820 2,835	830 0.0 1,380 90.0 1,315 65.0 2,820 2,835 15 512 501



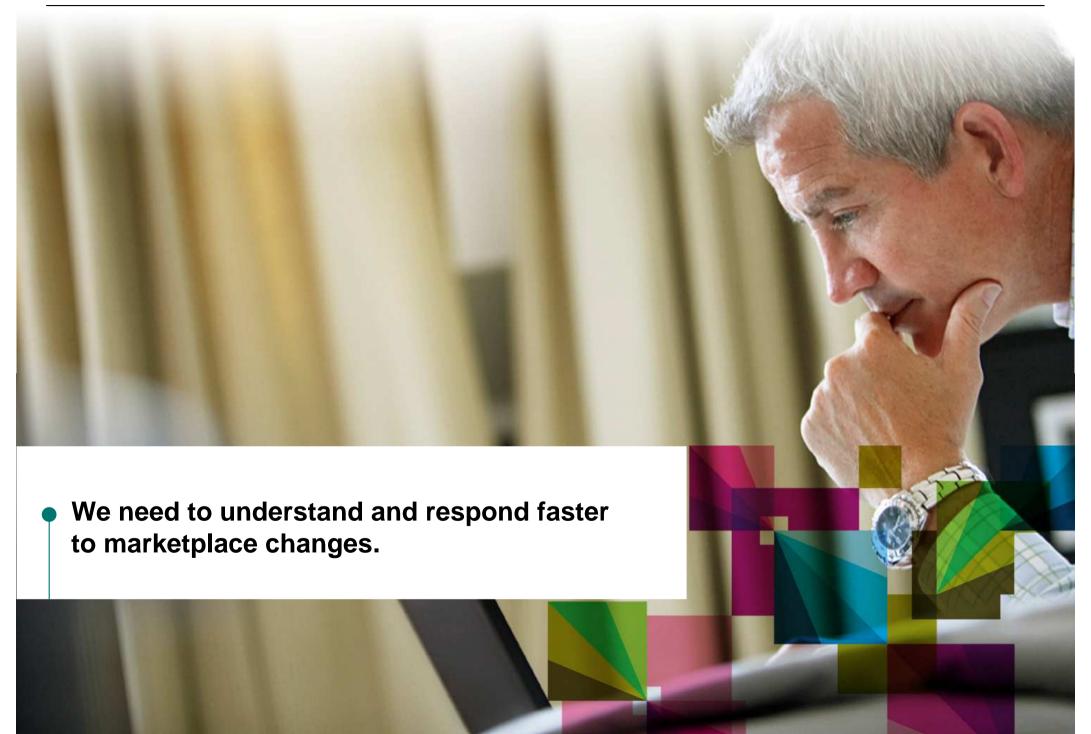
### From looking backward to looking forward

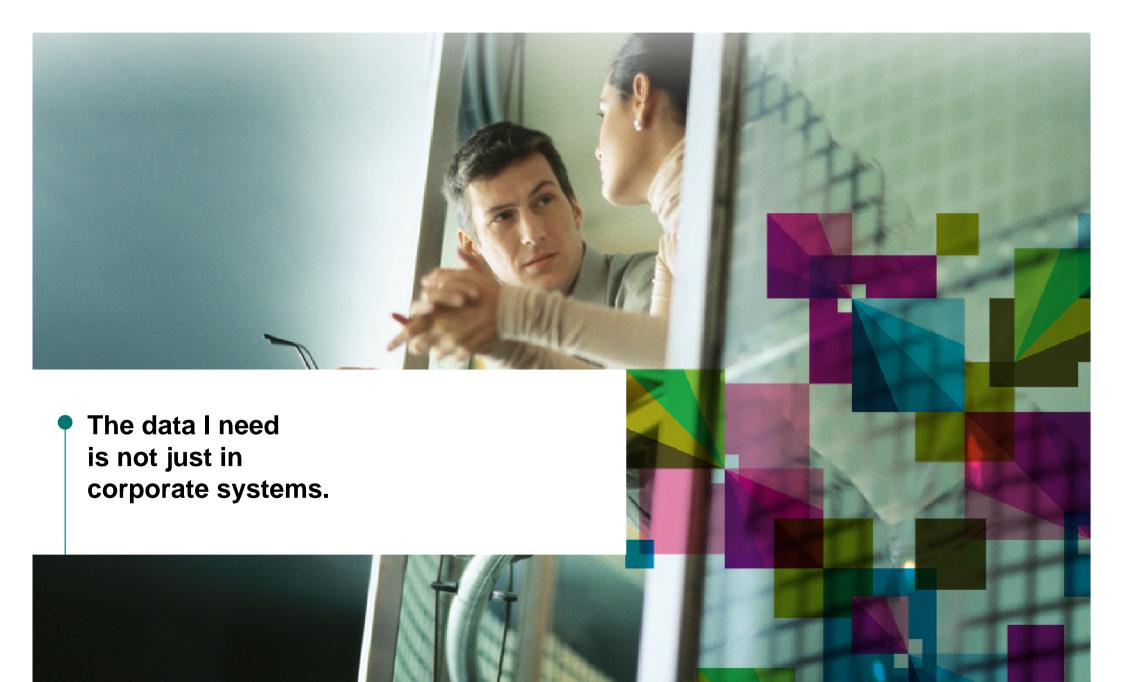
















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### Agile, personal analytics



- Access to external and corporatesanctioned data sources
- Boundless freedom to perform analysis
- "Write-back" for what-if scenarios and planning template development

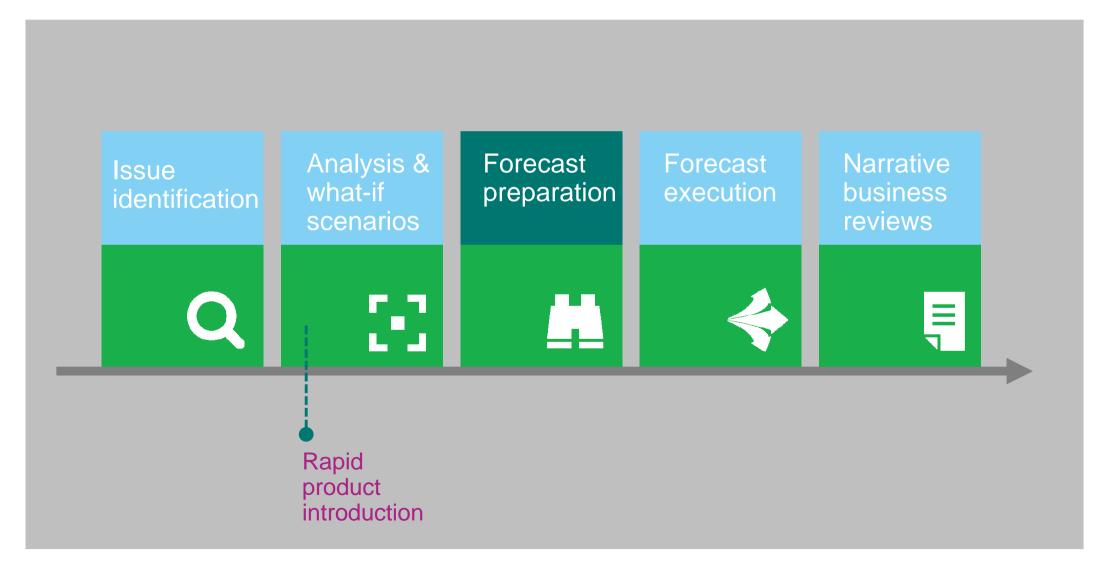


IBM Cognos Insight



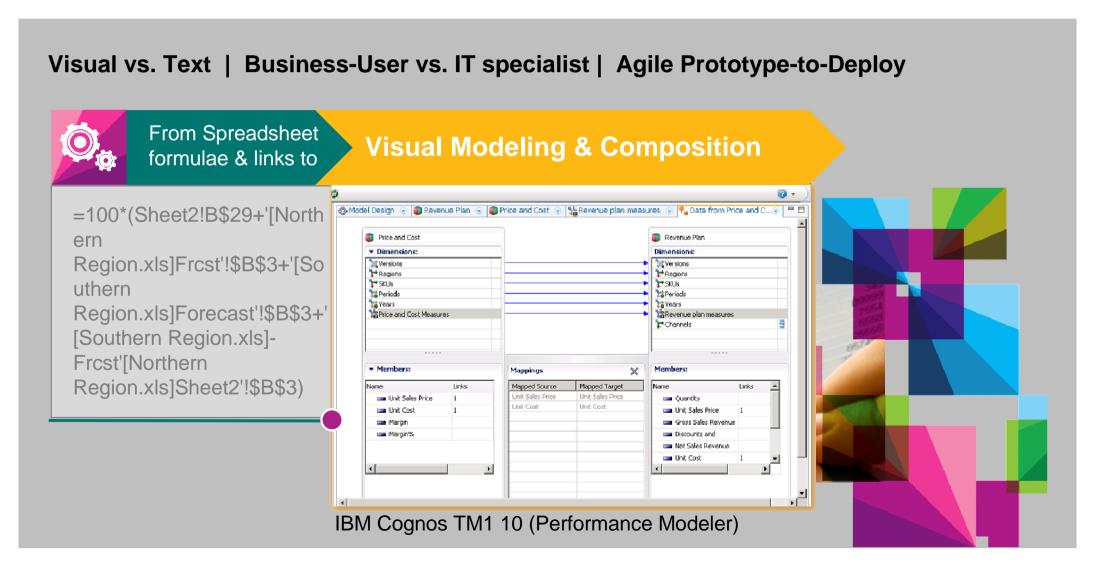






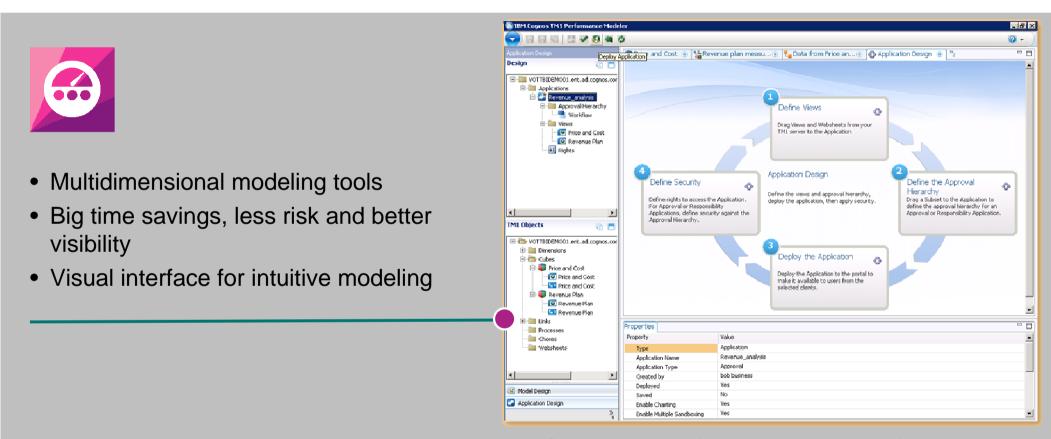


### From spreadsheet formulas and links to visual modeling





### Intuitive modeling and application deployment

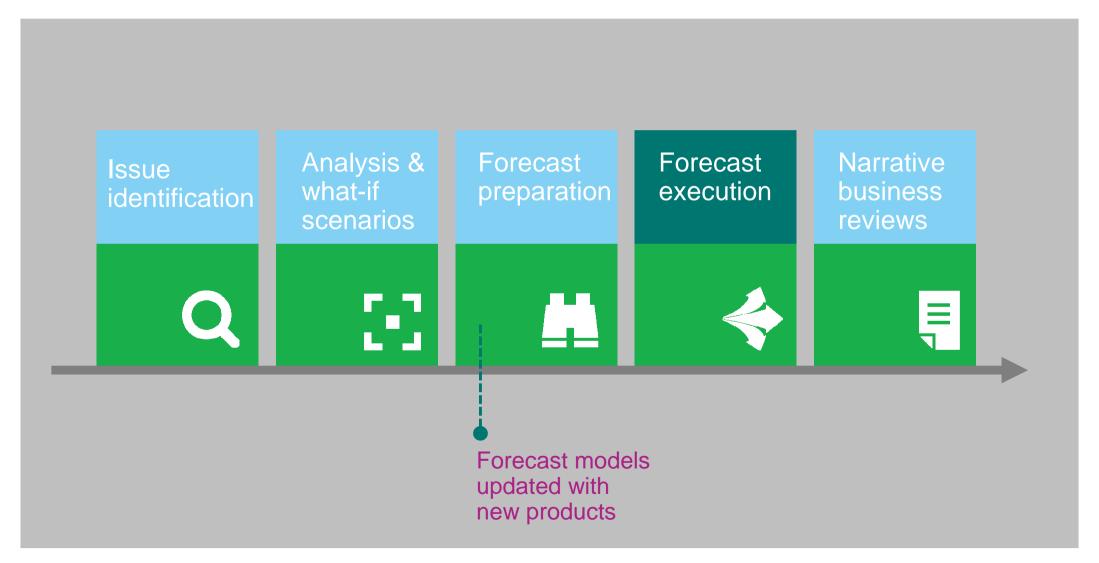


IBM Cognos TM1 10 (Performance Modeler)













### From detailed and numeric to

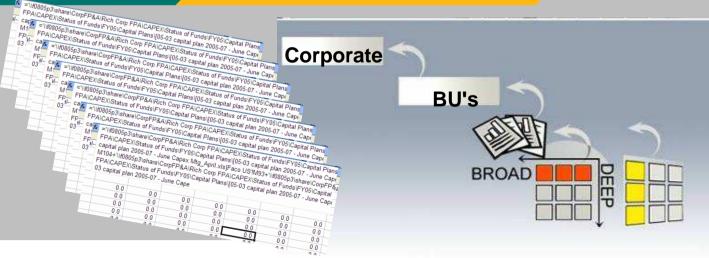
### **Driver-based forecasts**

	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL	YTD Actuals Variance	YTD Act Var %	Total Variance	Total Var %
	Actuals	Actuals	Actuals	Actuals	Actuals	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast					
Revenue	143.00	150.00	176.00	166.00	200.00	180.00	181.00	190.00	200.00	200.00	210.00	260.00	2256.00	-65.00	-7%	256.00	13%
008	92.95	97.00	114.00	108.00	131.00	117.00	117.00	125.00	131.00	132.00	140.00	180.00	1484.95	-957.05	-64%	84.95	6%
Margin	50.05	53.00	62.00	58.00	69.00	63.00	64.00	65.00	69.00	68.00	70.00	80.00	771.05	-22.95	-7%	71.05	10%
Vargin %	35.00%	35.33%	35.23%		34.50%	35.00%	35.36%	34.21%	34.50%	34.00%	33.33%		34.35%	0%		-0.65%	
Salaries	19.00	19.00	19.00	19.00	19.00	19.00	19.00	22.00	22.00	22.00	22.00	22.00	243.00	-1.00	-1%		-1%
Bonus	1.43	1.50	1.76	1.66	2.00	1.80	1.81	1.90	2.00	2.00			22.56	-2.35	-39%	2.56	13%
3enefits	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.22	0.22	0.22	0.22	0.22	2.43	1.35	59%	-0.07	-3%
nsurance	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	1.80	0.00	0%		-5%
Rent	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	34.80	0.00	0%	-1.20	-3%
NUMBER -	2.00		0.50	4.50	4.00	4.00	4.00	4.40	4.50	2.00	0.50	2.00	22.77		00/	F 400	
Jtilities	3.00	2.00	2.50	1.58	1.00	1.00	1.20	1.40	1.59	2.00			22.77	0.92	8%	-1.23	-5%
Office Supplies	0.11	0.20	0.16	0.20	0.07	0.37	0.14	0.42	0.49	0.34	0.38	0.43	3.30	0.07	9%	-1.23 1.00	-5% 43%
Office Supplies ravel - Air	0.11 7.15	0.20 7.50	0.16 8.80	0.20 9.00	0.07 15.00	0.37 9.00	0.14 9.05	0.42 9.50	0.49 10.00	0.34 10.00	0.38 10.50	0.43 13.00	3.30 118.50	0.07 -17.45	9% -58%	-1.23 1.00 13.50	-5% 43% 13%
Office Supplies ravel - Air ravel - Hotels	0.11 7.15 1.43	7.50 1.50	0.16 8.80 1.76	9.00 1.66	0.07 15.00 2.00	0.37 9.00 1.80	0.14 9.05 1.81	0.42 9.50 1.90	0.49 10.00 2.00	0.34 10.00 2.00	0.38 10.50 2.10	0.43 13.00 2.60	3.30 118.50 22.56	0.07 -17.45 -3.35	9% -58% -67%	-1.23 1.00 13.50 -7.44	-5% 43% 13% -25%
Office Supplies ravel - Air ravel - Hotels ravel - Car	0.11 7.15 1.43 0.72	0.20 7.50 1.50 0.75	0.16 8.80 1.76 0.88	9.00 9.00 1.66 0.83	0.07 15.00 2.00 1.00	0.37 9.00 1.80 0.90	0.14 9.05 1.81 0.91	0.42 9.50 1.90 0.95	0.49 10.00 2.00 1.00	0.34 10.00 2.00 1.00	0.38 10.50 2.10 1.05	0.43 13.00 2.60 1.30	3.30 118.50 22.56 11.28	0.07 -17.45 -3.35 -2.68	9% -58% -67% -178%	-1.23 1.00 13.50 -7.44 6.28	-5% 43% 13% -25% 126%
Office Supplies Travel - Air Travel - Hotels Travel - Car Travel - Train	0.11 7.15 1.43 0.72 1.30	0.20 7.50 1.50 0.75 1.00	0.16 8.80 1.76 0.88 1.50	0.20 9.00 1.66 0.83 1.00	0.07 15.00 2.00 1.00 1.20	0.37 9.00 1.80 0.90	0.14 9.05 1.81 0.91 1.00	0.42 9.50 1.90 0.95 3.00	0.49 10.00 2.00 1.00 2.00	0.34 10.00 2.00 1.00 2.00	0.38 10.50 2.10 1.05 2.00	0.43 13.00 2.60 1.30 3.00	3.30 118.50 22.56 11.28 20.00	0.07 -17.45 -3.35 -2.68 -1.50	9% -58% -67% -178% -33%	-1.23 1.00 13.50 -7.44 6.28 9.00	-5% 43% 13% -25% 126% 82%
Office Supplies Travel - Air Travel - Hotels Travel - Car Travel - Train Gifts & Misc	0.11 7.15 1.43 0.72 1.30 0.50	0.20 7.50 1.50 0.75 1.00 0.00	0.16 8.80 1.76 0.88 1.50 0.00	0.20 9.00 1.66 0.83 1.00 0.50	0.07 15.00 2.00 1.00 1.20 0.00	0.37 9.00 1.80 0.90 1.00	0.14 9.05 1.81 0.91 1.00 0.00	0.42 9.50 1.90 0.95 3.00 0.00	0.49 10.00 2.00 1.00 2.00 5.00	0.34 10.00 2.00 1.00 2.00 0.00	0.38 10.50 2.10 1.05 2.00 0.00	0.43 13.00 2.60 1.30 3.00 0.00	3.30 118.50 22.56 11.28 20.00 6.00	0.07 -17.45 -3.35 -2.68 -1.50	9% -58% -67% -178% -33% 0%	-1.23 1.00 13.50 -7.44 6.28 9.00 -1.00	-5% 43% 13% -25% 126% 82% -14%
Office Supplies Fravel - Air Fravel - Hotels Fravel - Car Fravel - Train Gifts & Misc Maintenance & Repair	0.11 7.15 1.43 0.72 1.30 0.50 0.35	0.20 7.50 1.50 0.75 1.00 0.00 0.14	0.16 8.80 1.76 0.88 1.50 0.00 0.06	0.20 9.00 1.66 0.83 1.00 0.50 0.43	0.07 15.00 2.00 1.00 1.20 0.00 0.30	0.37 9.00 1.80 0.90 1.00 0.00	0.14 9.05 1.81 0.91 1.00 0.00 0.31	0.42 9.50 1.90 0.95 3.00 0.00 0.42	0.49 10.00 2.00 1.00 2.00 5.00 0.03	0.34 10.00 2.00 1.00 2.00 0.00 0.41	0.38 10.50 2.10 1.05 2.00 0.00	0.43 13.00 2.60 1.30 3.00 0.00 0.13	3.30 118.50 22.56 11.28 20.00 6.00 3.04	0.07 -17.45 -3.35 -2.68 -1.50 0.00	9% -58% -67% -178% -33% 0% 1%	-1.23 1.00 13.50 -7.44 6.28 9.00 -1.00 0.04	-5% 43% 13% -25% 126% 82% -14% 1%
Office Supplies Travel - Air Travel - Hotels Travel - Car Travel - Train Gifts & Misc	0.11 7.15 1.43 0.72 1.30 0.50	0.20 7.50 1.50 0.75 1.00 0.00	0.16 8.80 1.76 0.88 1.50 0.00	0.20 9.00 1.66 0.83 1.00 0.50	0.07 15.00 2.00 1.00 1.20 0.00	0.37 9.00 1.80 0.90 1.00	0.14 9.05 1.81 0.91 1.00 0.00	0.42 9.50 1.90 0.95 3.00 0.00	0.49 10.00 2.00 1.00 2.00 5.00	0.34 10.00 2.00 1.00 2.00 0.00	0.38 10.50 2.10 1.05 2.00 0.00	0.43 13.00 2.60 1.30 3.00 0.00 0.13 1.00	3.30 118.50 22.56 11.28 20.00 6.00	0.07 -17.45 -3.35 -2.68 -1.50	9% -58% -67% -178% -33% 0%	-1.23 1.00 13.50 -7.44 6.28 9.00 -1.00 0.04	-5% 43% 13% -25% 126% 82% -14%



## From manual aggregation to

#### **Process automation**

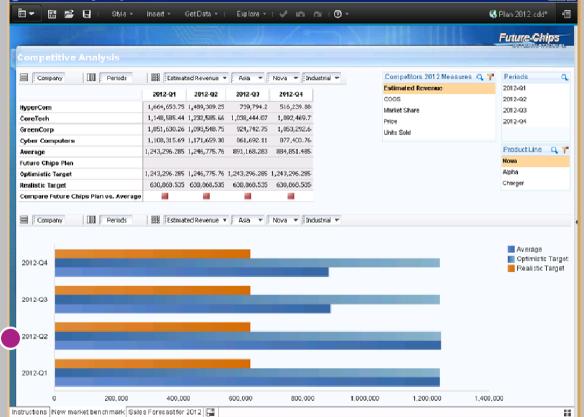




### Planning, analysis, forecasting & profitability modeling



 Real-time reporting against plan, budgets and forecasts

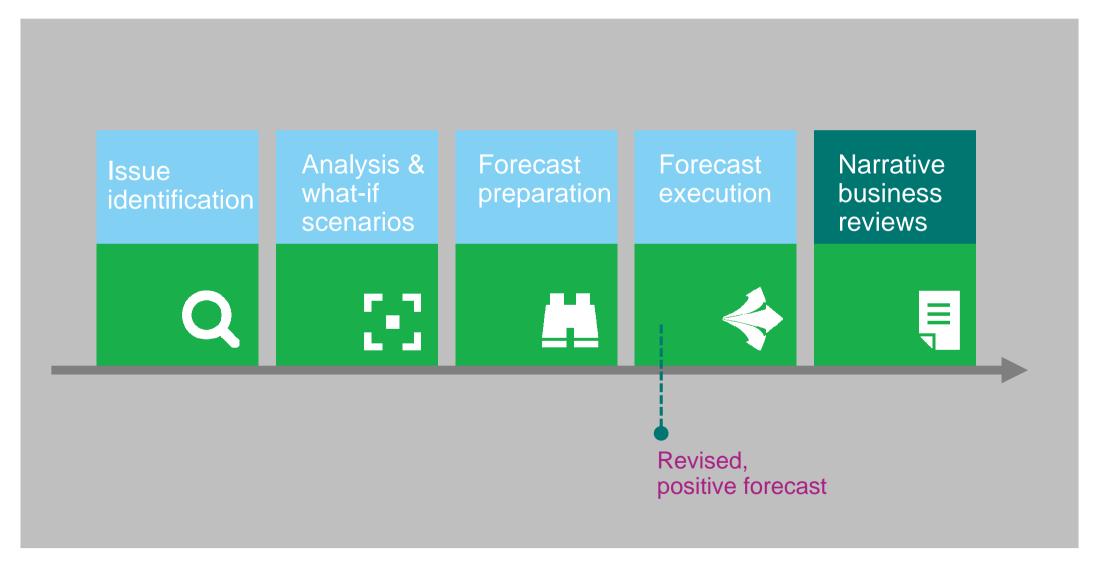


IBM Cognos TM1 10 (Cognos Insight, Contributor, Excel)



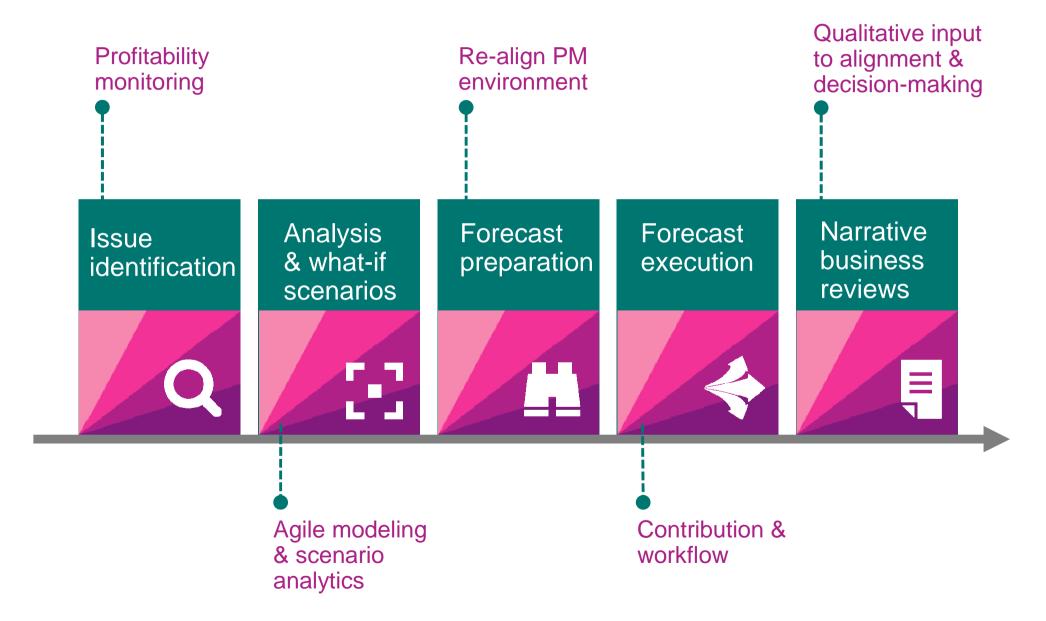








### Smarter Analytics. Smarter Outcomes.





### IBM business analytics deliver ...



# **Drive efficiencies and scale**

- •Eliminate intensely manual efforts
- Structure and automate dynamic processes
- Scale to large user communities and data sets



### Control

# Gain agility and preparedness

- •Link operational and financial performance management
- Support advanced analytic techniques (e.g., scenario and predictive analytics)
- •Eliminate delays in coordinating around to emerging realities



### Confidence

# Improve effectiveness and outcomes

- Dramatically reduce risk of errors
- Cost-effectively address compliance
- Drive new confidence in analytics-driven decision making

