







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



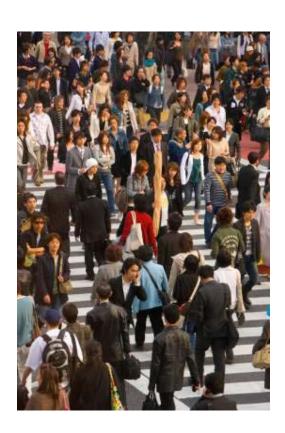


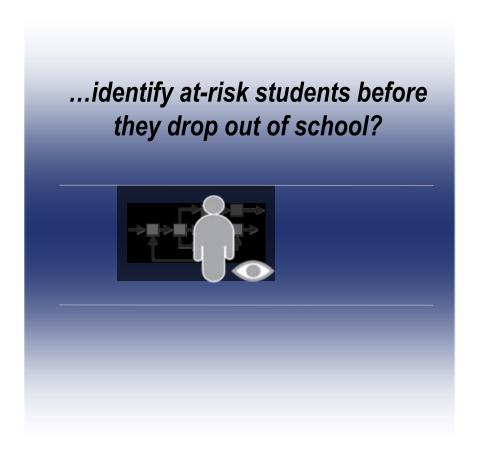




... apply social relationships of customers to prevent churn?









The Predictive Advantage

Predict & Act

Deploying Predictive Models

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

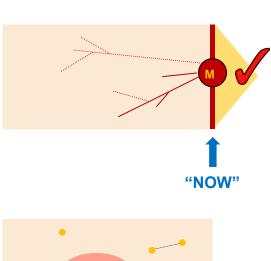
Predictive Analytics:

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

Traditional Bl and Conventional Analysis:

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



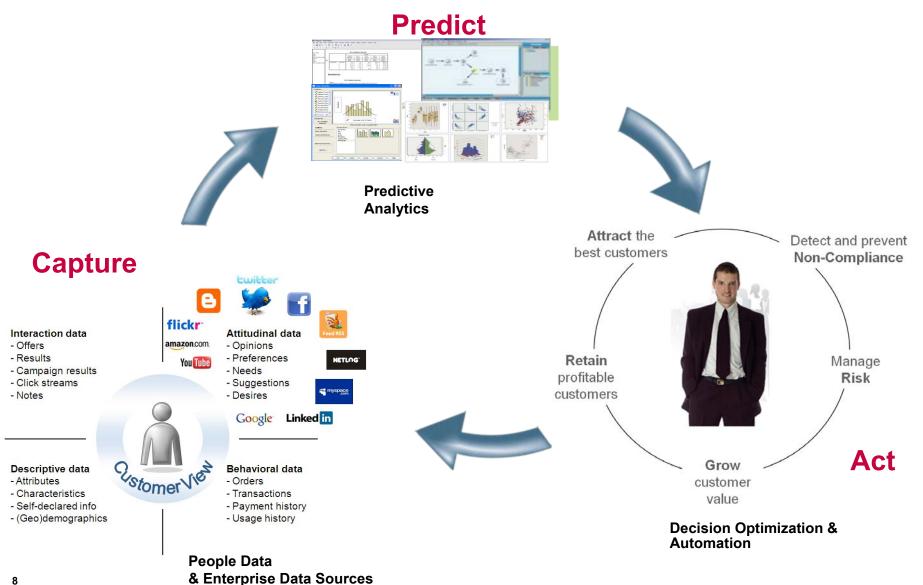






"NOW"

The Predictive Analytics Process



8



Imagine If Your Decision Makers Could...

...reduce crime without a proportional increase in staff while expanding its territory.

...optimize loan applications based on risk fluctuations?

··· Identifies groups most likely to respond to direct mail campaign

•••Reduce the number of profitable customers who defect to competitors

















80% - 90%

- 30 % + 20 %

19% -> 2%

...optimize every transaction, process and decision at the point of impact, based on the current situation, without requiring that everyone be an analytical expert



Industry Leader in Predictive Analytics

- 40+ year heritage, with a single aim:
 - to drive the widespread use of data in decision making
- Drove the creation of the Predictive Analytics market
- Acquired by IBM October 2009

 Enables organizations to predict future events and proactively act upon that insight to drive better business outcomes





IBM BI and Performance Management Capabilities Help **Decision Makers Find the Answers**















Analyst



SPSS Enables New Solution Value for IBM Cognos Customers



How are we doing?

DASHBOARDING

Addition of KPPs (Key Performance Predictors)

Why are we on/off track?

REPORTING

Broad distribution of statistical results

QUERY

What should we do next?

ANALYSIS

PLANNING

Time series forecasting

New customer insight through Data Collection

Predictive analytics for deeper understanding of the data











Business Analyst



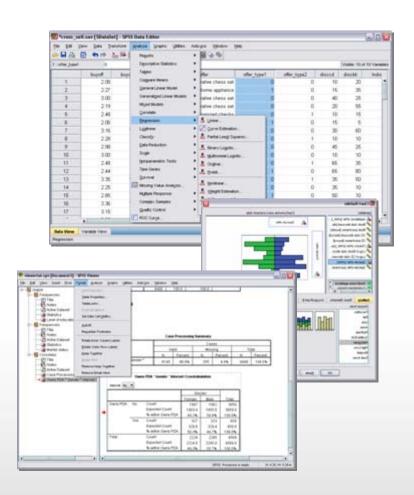


Make informed decisions with statistics

Validate your assumptions and test hypotheses

IBM SPSS Statistical Family

- Comprehensive workbench
- Increase functionality with add on modules, scripting and programmability
- Flexible deployment options maximize resource utilization



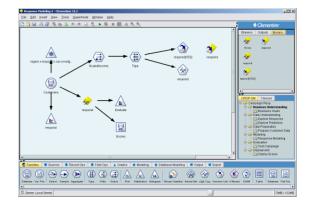


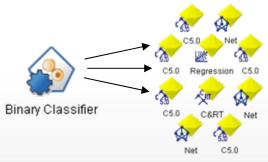
Make informed decisions with data mining

"The process of discovering meaningful new relationships, patterns and trends by shifting through data using pattern recognition technologies as well as statistical and mathematical techniques."

IBM SPSS Modeler Family

- Easy to learn, no programming approach to data mining
- Automatically create accurate, deployable predictive models
- Choose the best solution with multi- model evaluation
- Text Mining capabilities
- Multithreading, clustering and use of embedded algorithms









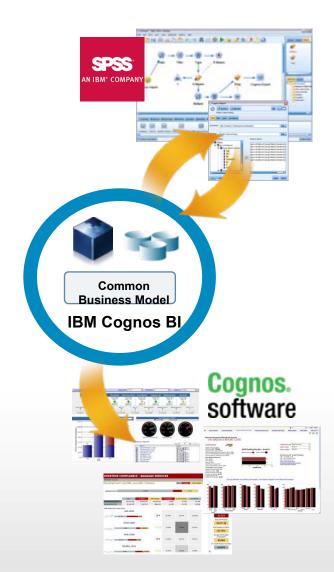
Deliver the power of predictive analytics into the hands of the business users



Uncover key insights in your corporate data by integrating predictive analytics as a core activity to drive business decisions

Integration with IBM SPSS Modeler

- Leverage BI to identify problem or situation needing attention
- Develop factual context using reliable trends, patterns and predictions.
- Easily distribute the results to broad user communities



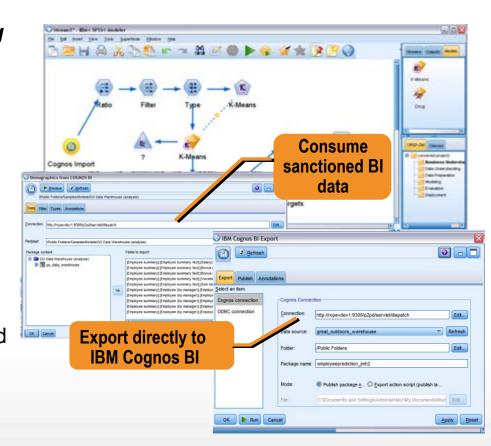
Streamline process to create and distribute predictive results



Leverage your investment in data modeling and IBM Cognos BI

IBM SPSS Modeler 14.1

- Interact with familiar data view
- minimize IT involvement for data access and preparation.
- Automatically publish predictive results to Cognos BI package



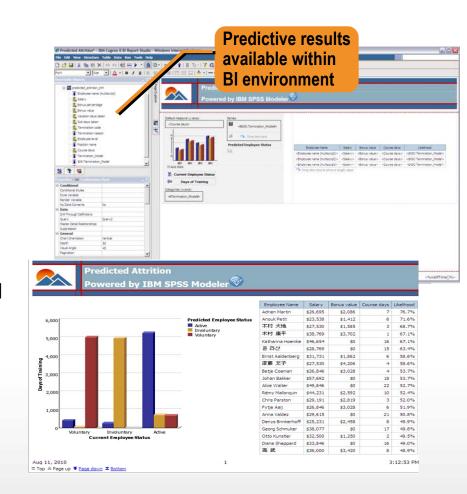


Add predictive intelligence IBM Cognos BI Dashboards

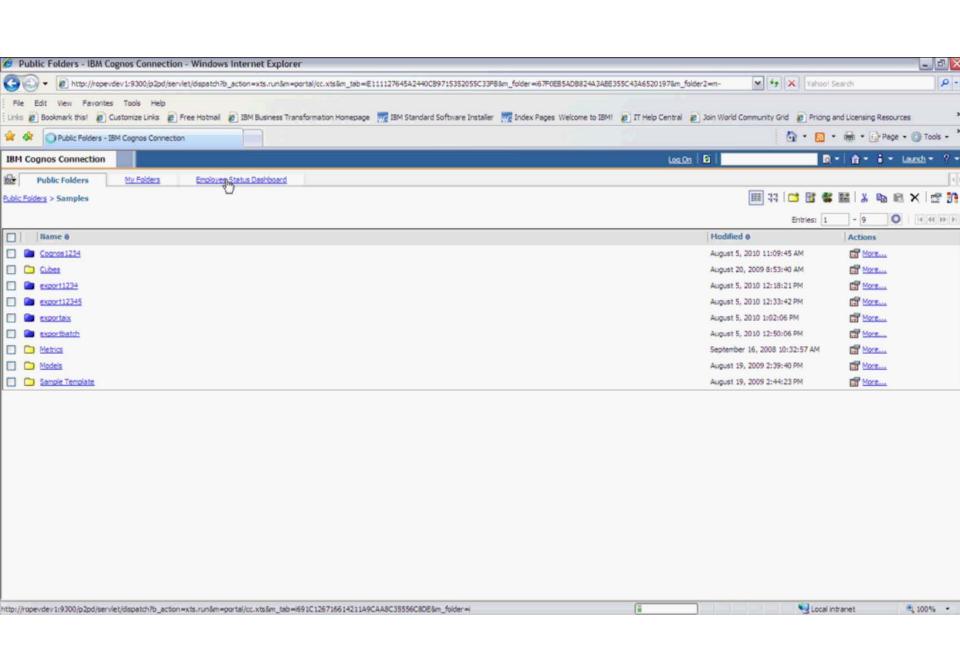
Focus efforts around the future – anticipate, rather than react.

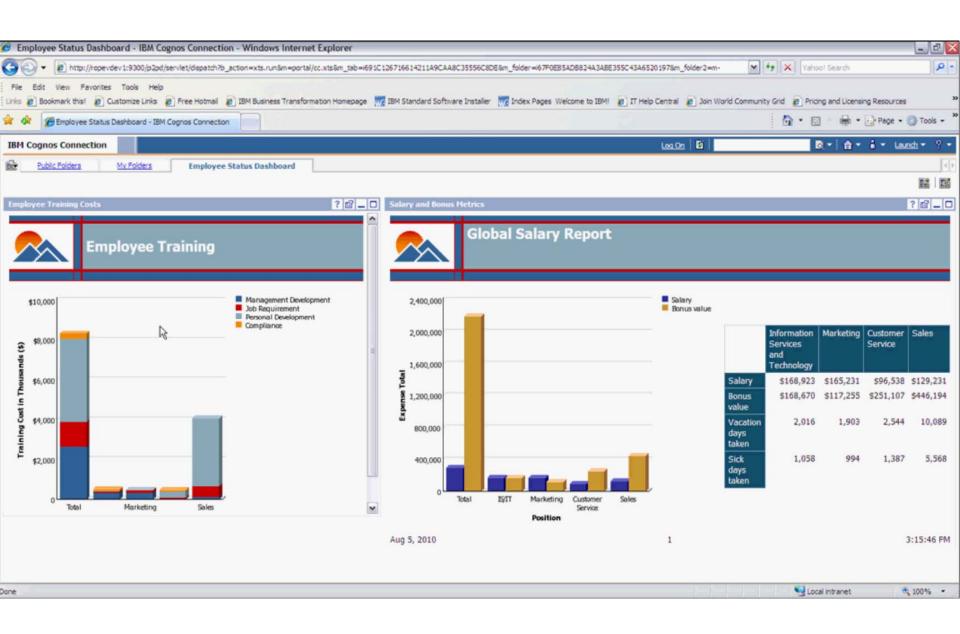
IBM Cognos Business Intelligence

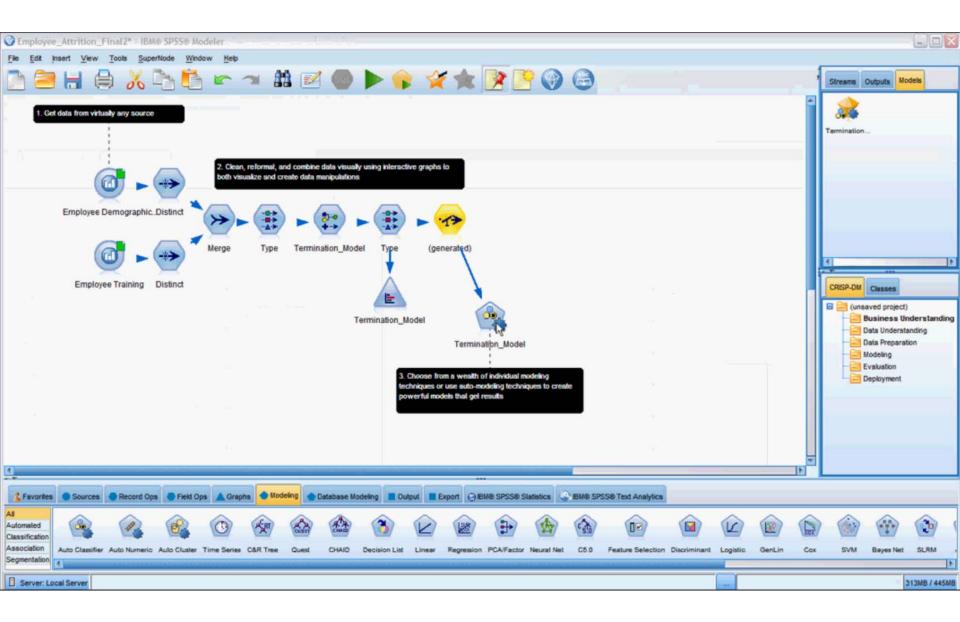
- Predictive results immediately available to IBM Cognos Business Intelligence
- Easily compare current state to predicted result
- Measure by effect of key factors on predicted outcome.

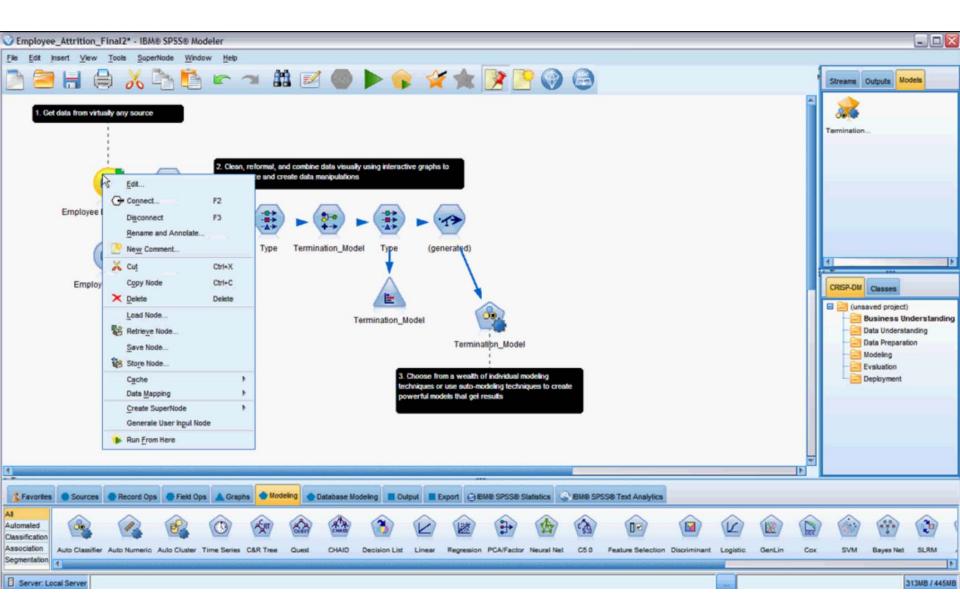


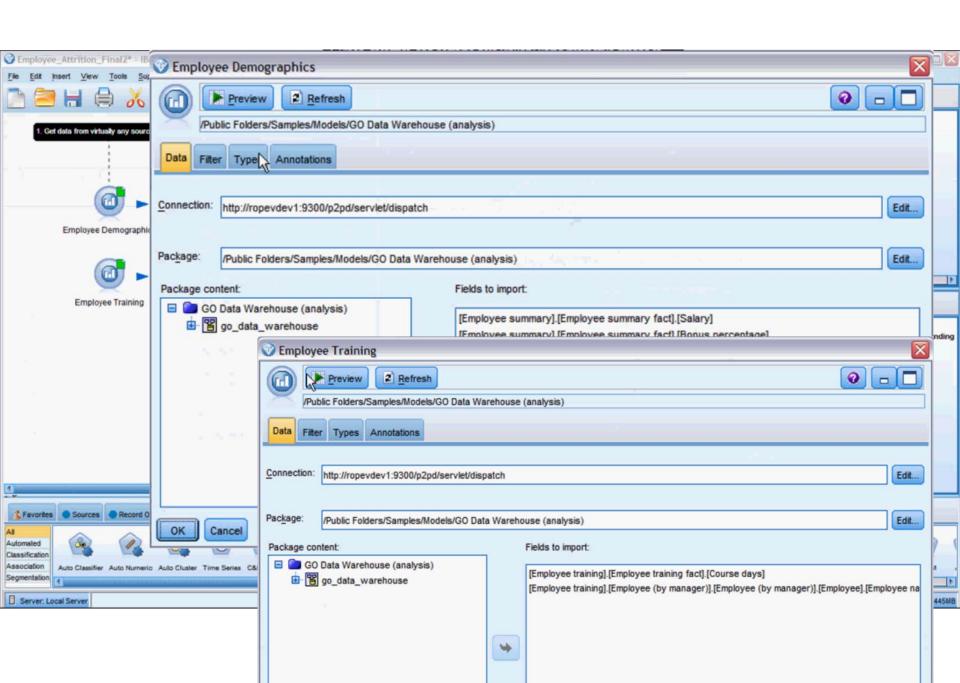


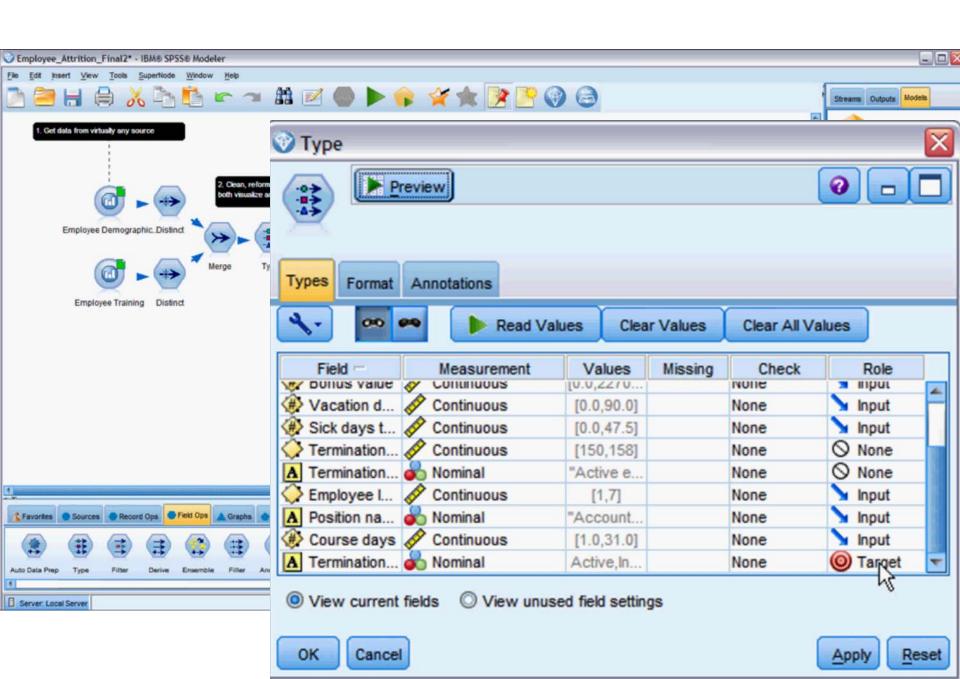


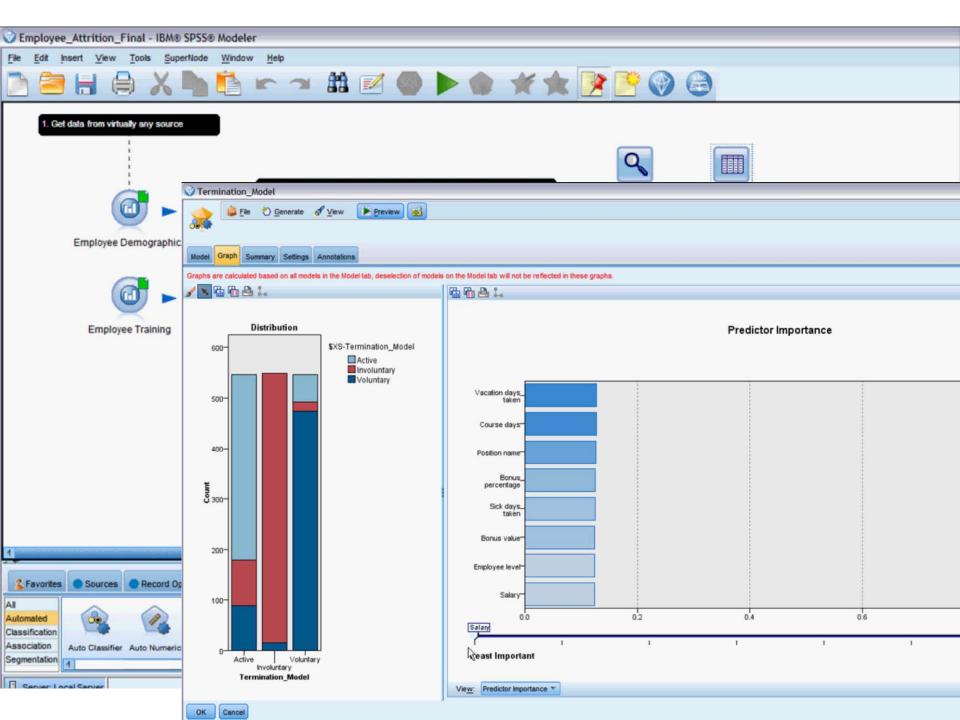


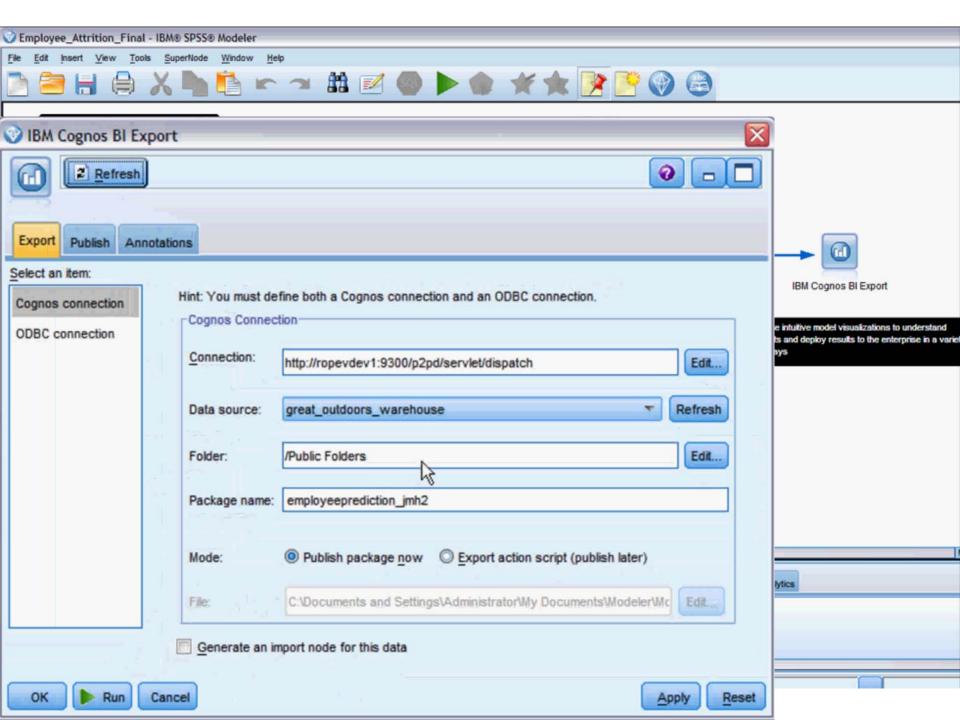


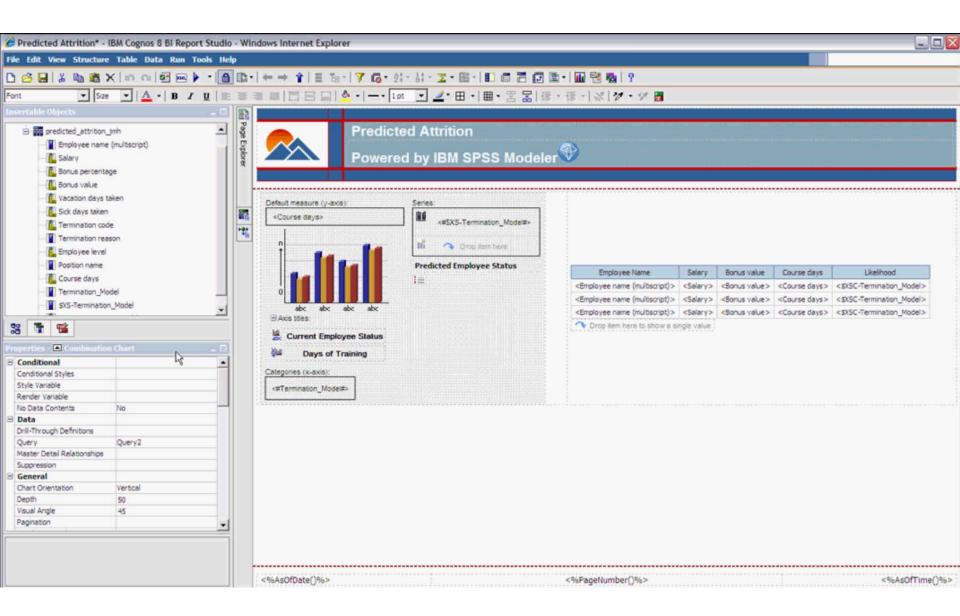


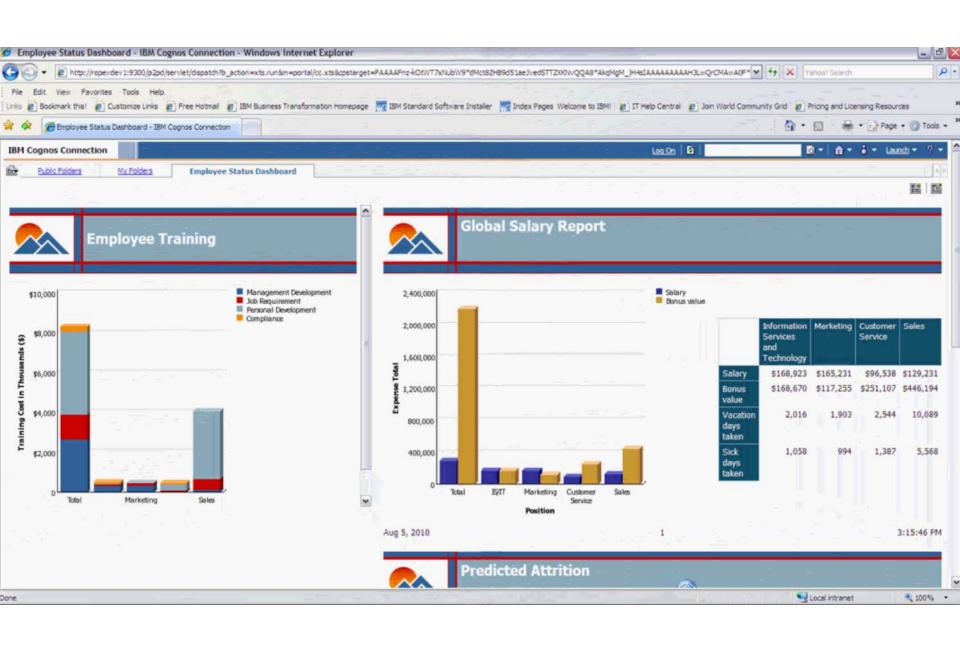






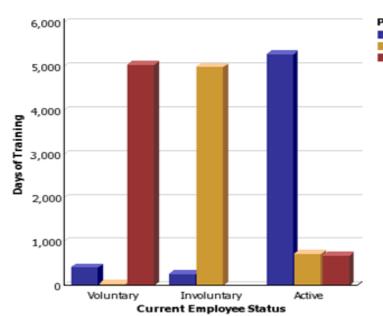








Predicted Attrition Powered by IBM SPSS Modeler



Pre	edicted Employee Status
	Active
	Involuntary
	Voluntary

Employee Name	Salary	Bonus value	Course days	Likelihood
Adrien Martin	\$26,695	\$2,086	7	76.7%
Anouk Petit	\$23,538	\$1,412	6	71.6%
木村 大地	\$27,530	\$1,585	3	68.7%
木村 康平	\$38,769	\$3,702	1	67.1%
Katharina Hoenike	\$46,654	\$0	16	67.1%
윤 라산	\$28,769	\$0	15	63.4%
Ernst Aaldenberg	\$31,731	\$1,862	6	58.6%
斎藤 文子	\$27,530	\$4,206	4	58.6%
Betje Coeman	\$26,846	\$3,028	4	53.7%
Johan Bakker	\$57,692	\$0	18	53.7%
Alice Walter	\$49,846	\$0	22	52.7%
Rémy Mallorquin	\$44,231	\$2,592	10	52.4%
Chris Parston	\$29,191	\$2,819	3	52.0%
Fytje Aaij	\$26,846	\$3,028	6	51.9%
Anna Valdez	\$29,615	\$0	21	50.8%
Denys Brinkerhoff	\$25,231	\$2,458	8	49.9%
Georg Schmuker	\$38,077	\$0	17	49.8%
Otto Kunstler	\$32,500	\$1,250	2	49.5%
Diane Sheppard	\$33,846	\$0	16	49.0%
高武	\$36,000	\$3,420	8	48.9%

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Summary

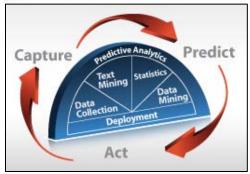




How are we doing?

Why are we on/off track?

What should we do next?



Drive the widespread use of data in decision making



Inserting "intelligence" at key decision points in business processes to improve outcomes and automate decisions



We are what we think. All that we are arises with our thoughts. With our thoughts we make the world.

(Hindu Prince Gautama Siddharta, the founder of Buddhism, 563-483 B.C.)

Meet us at the booth to share your thoughts

