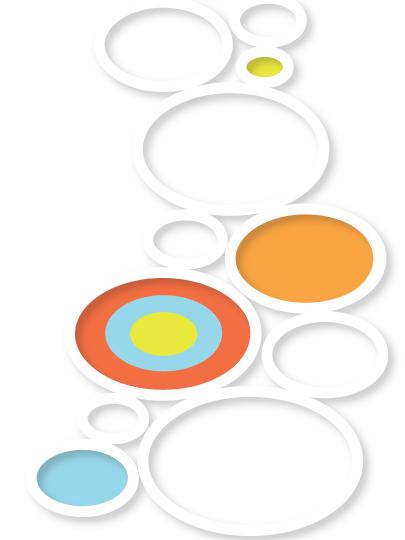
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make connections • share ideas • be inspired

A Strategic Approach to Information Management

Jeroen Dijkxhoorn Center of Excellence Information Management & Analytics SAS South West Europe





INFORMATION MANAGEMENT

MARKET EVOLUTION LEADS TO STRATEGIC INFORMATION MANAGEMENT APPROACH













KEY CUSTOMER OBJECTIVES

TOP OF MIND OBJECTIVES AND REQUIREMENTS

Manage data as a strategic information asset for business value

Optimize decision making to gain competitive advantage

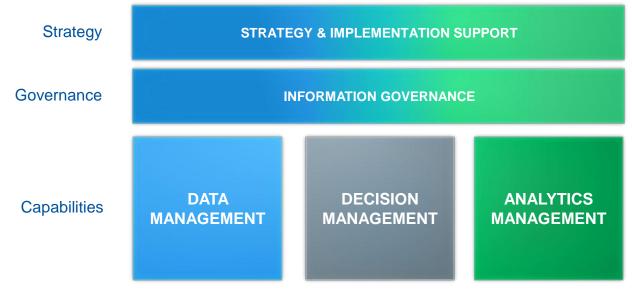
Implement an information management approach that results in competitive differentiation Fast time to value generating decisions with minimal resources Apply analytics more pervasively to a broader range of decisions



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SAS® INFORMATION MANAGEMENT

SUPPORT FOR ENTIRE INFORMATION MANAGEMENT CONTINUUM



SAS / DataFlux provides unified data management capabilities that include data governance, data integration, data quality and MDM SAS provides **decision services** that include business rules and workflow that facilitates integration of the information services into the business systems

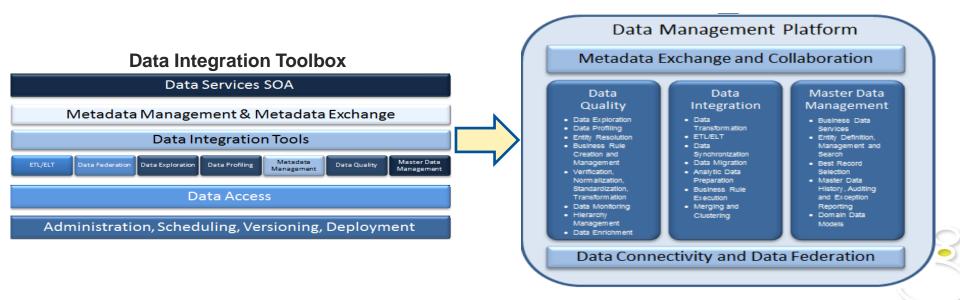
SAS provides complete **analytics management** that includes model
management, deployment,
monitoring and governance of the
analytics information asset







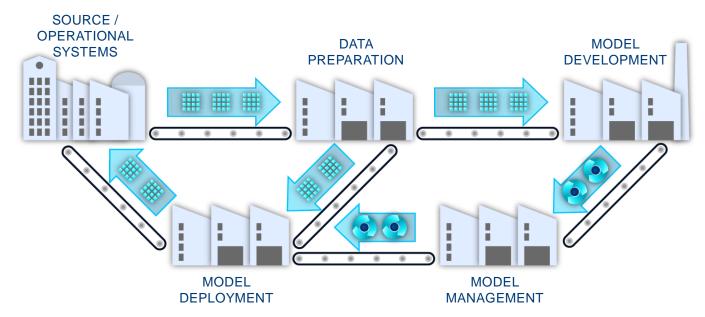
EVOLUTION OF A DATA MANAGEMENT PLATFORM





ANALYTICS MANAGEMENT

PREDICTIVE ANALYTICS FACTORY: CLOSED LOOP ANALYTICS ENABLING OPTIMAL MODEL DEPLOYMENT



Leverages data quality and governance functionality to monitor and identify analytical model degradation as well as the data used for analytics





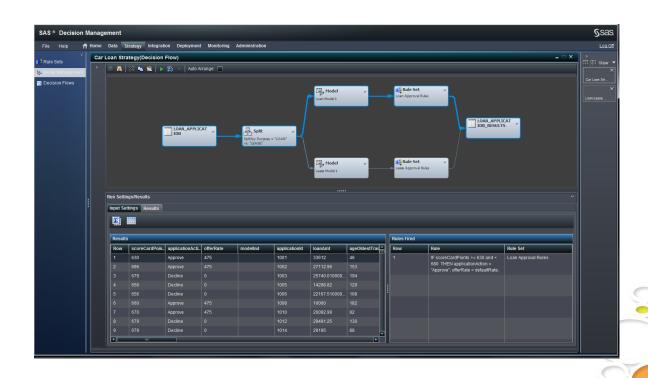
DECISION MANAGEMENT

BRINGING DATA AND ANALYTICS TOGETHER IN THE BUSINESS PROCESS

Decision Management Environment leveraging

- Events
- Data
- Business Rules
- Workflow
- Models

to drive decisions in operational processes

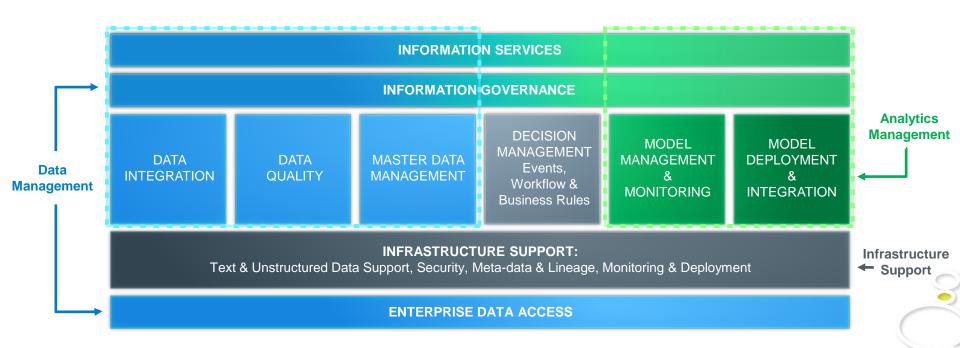






SAS® INFORMATION MANAGEMENT

CAPABILITY VIEW

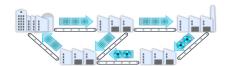






SAS® INFORMATION MANAGEMENT

UNDERPINS THE BUSINESS ANALYTICS FRAMEWORK







ANALYTICS MANAGEMENT

Complete lifecycle management

DATA MANAGEMENT

Comprehensive quality, relevance, governance

DECISION MANAGEMENT

Driving the decision cycle: bringing analytics to the point of contact





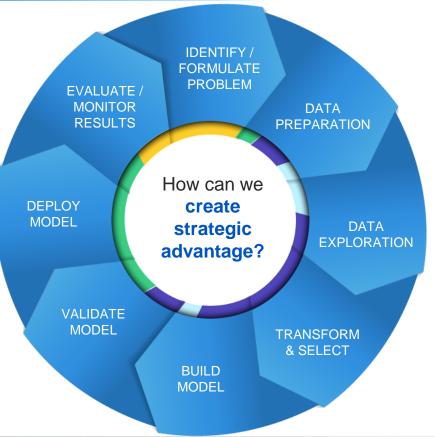
THE ANALYTICS LIFECYCLE



Domain Expert
Makes Decisions
Evaluates Processes and ROI



Model Validation Model Deployment Model Monitoring Data Preparation





Data Exploration
Data Visualization
Report Creation



Exploratory Analysis
Descriptive Segmentation
Predictive Modeling



BEST PRACTICE

High Performance Analytic Assessment Workshop

Overview:

Two-day on-site discovery session focused on understanding the client's business and IT objectives, key initiatives, existing information management and analytics architecture, top challenges, and priorities.

Process:

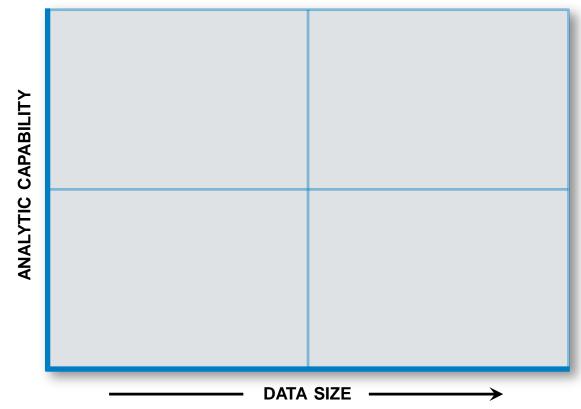
- Review current business requirements, timeframes, critical success factors, and key business metrics (e.g. customer retention, customer acquisition).
- Review operational data sources to support business priorities.
- Review analytical priorities, strategy, process, and gaps.

Deliverables:

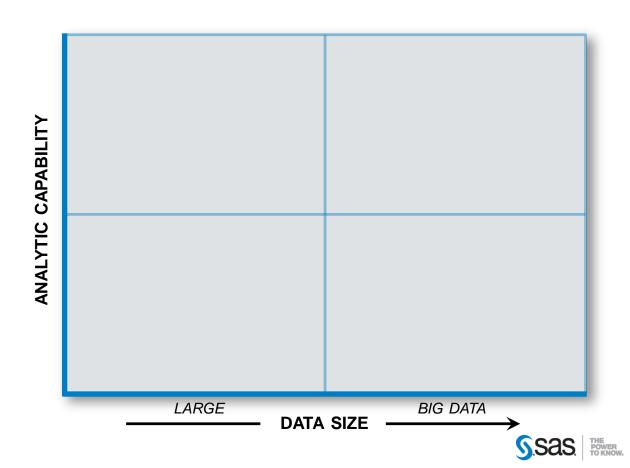
- Technology roadmap to optimize the client's current and future IT-enabled analytical process.
- Projected high-level ROI analysis resulting from proposed analytical architecture and process improvements.



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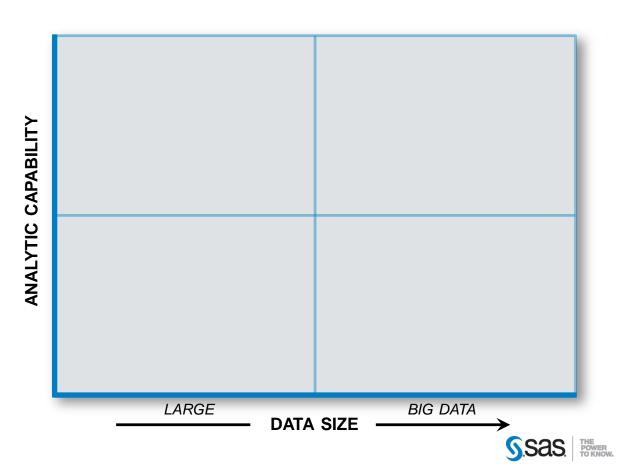




DATA SIZE AND ANALYTIC COMPETENCE

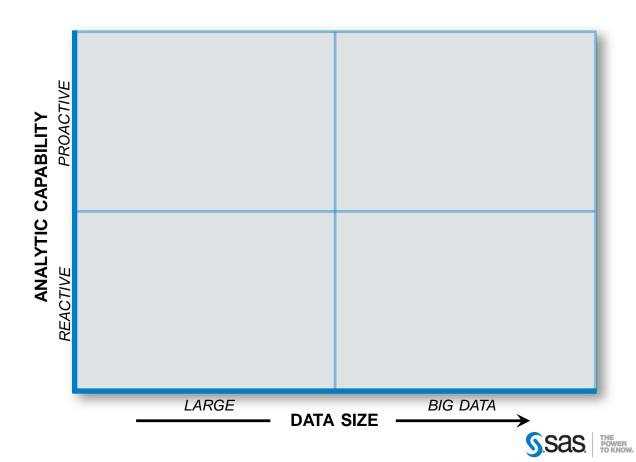
BIG DATA

"Data that exceeds the processing capacity of conventional database systems."



BIG DATA

"Data that exceeds the processing capacity of conventional database systems."



ANALYTICS

REACTIVE

Alerts

OLAP

Ad Hoc Reports
Standard Reports

PROACTIVE

Optimization

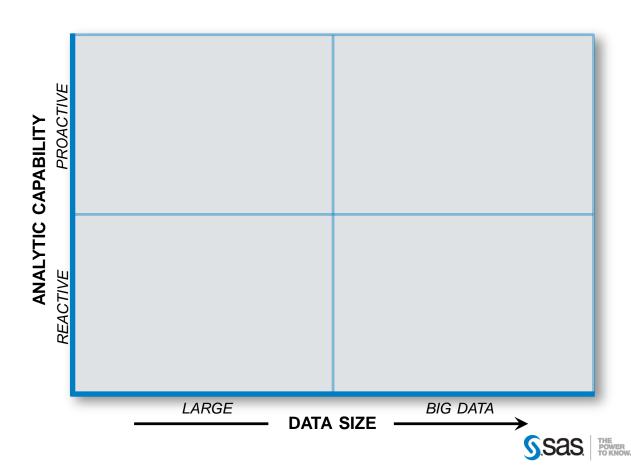
Predictive Modeling

Forecasting

Statistical Analysis

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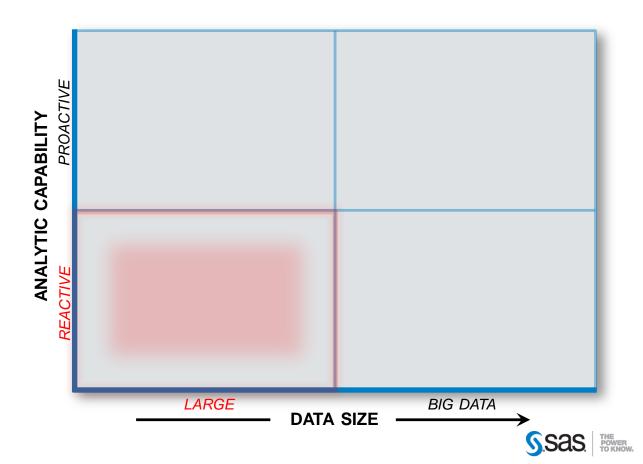
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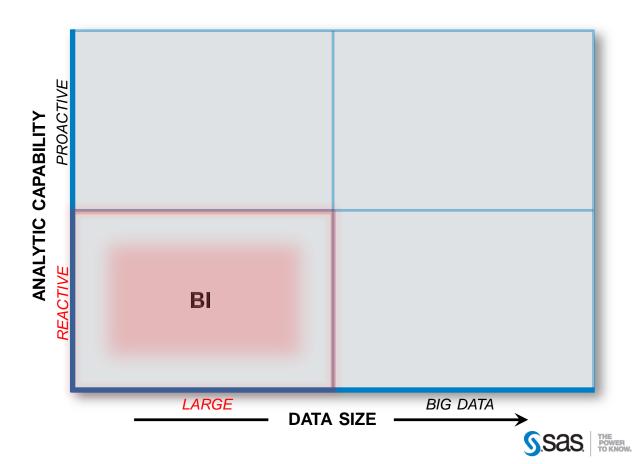
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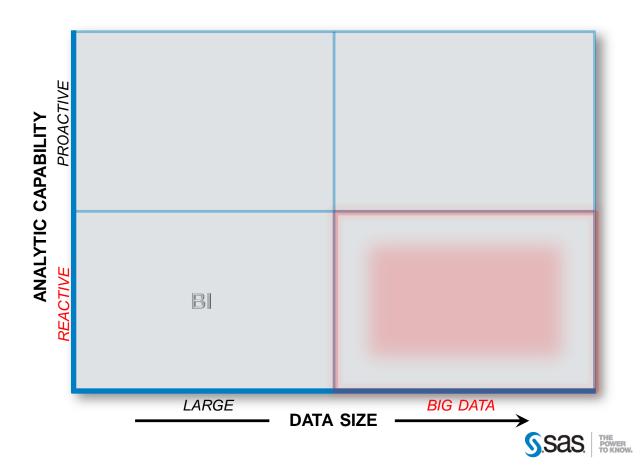
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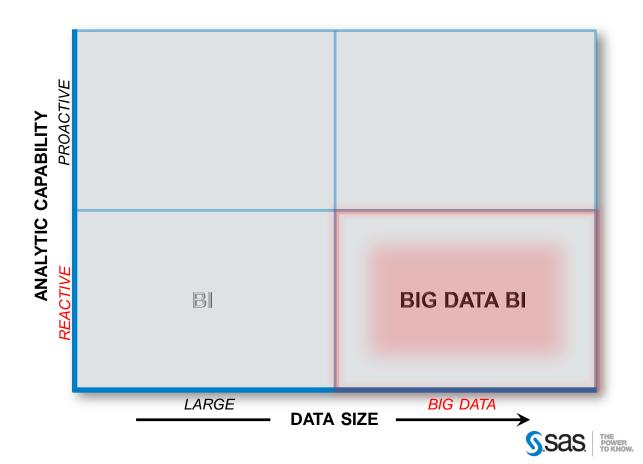
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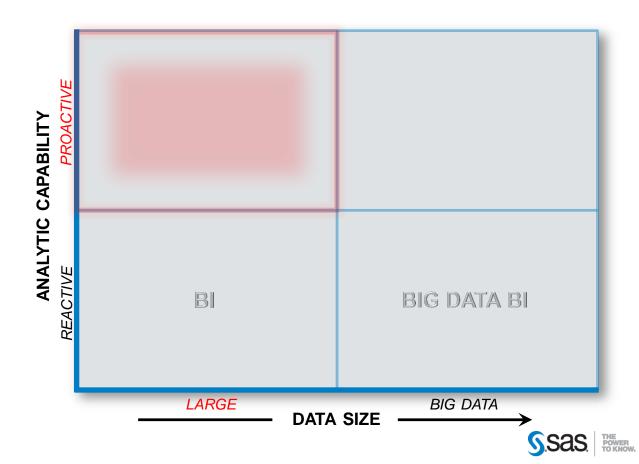
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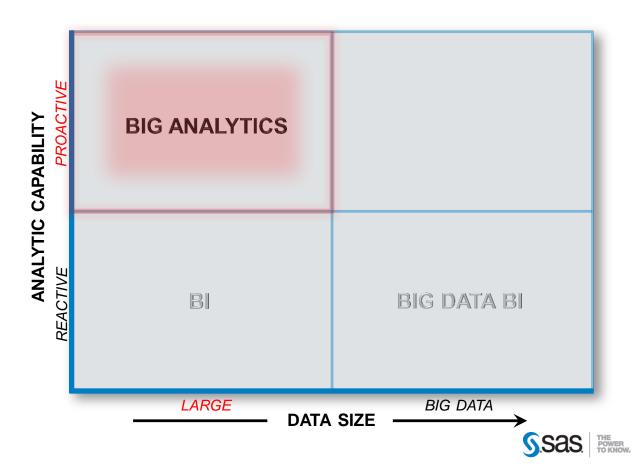
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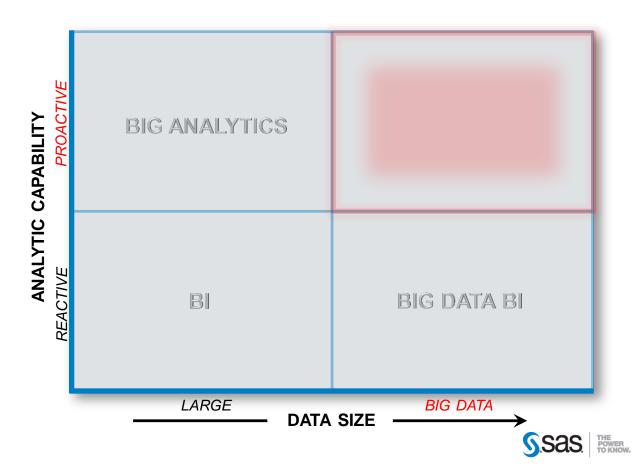
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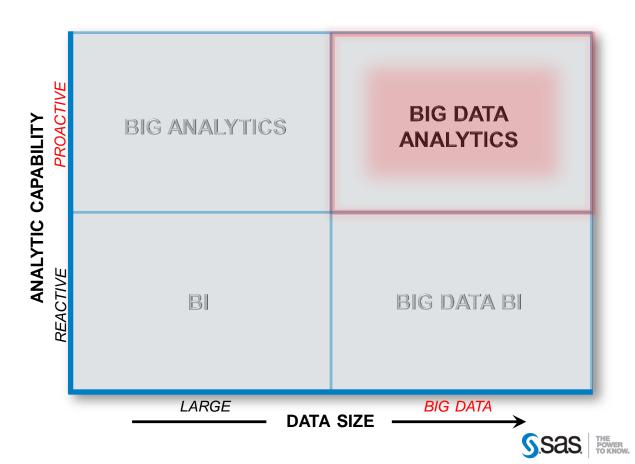
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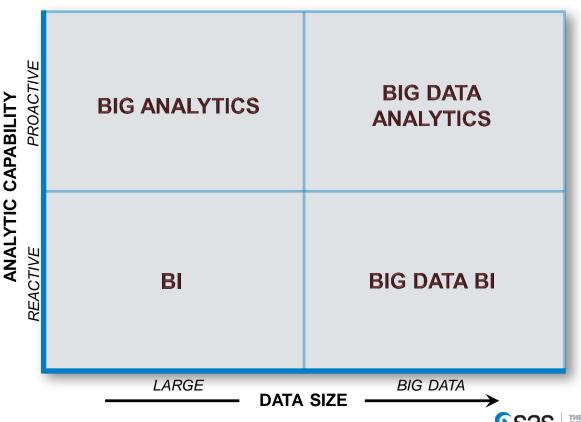
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HIGH-PERFORMANCE ANALYTICS

SAS IN-MEMORY ANALYTICS



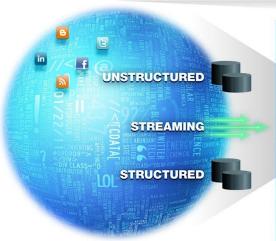
ANALYTICS

Descriptive Statistics
Predictive Analytics
Model Development
Text Mining
Forecasting
Optimization

ANALYTIC APPLICATIONS

Retail Planning
Revenue Optimization
Marketing Optimization
Stress Testing
Liquidity Risk Management
Fraud Detection

• • •





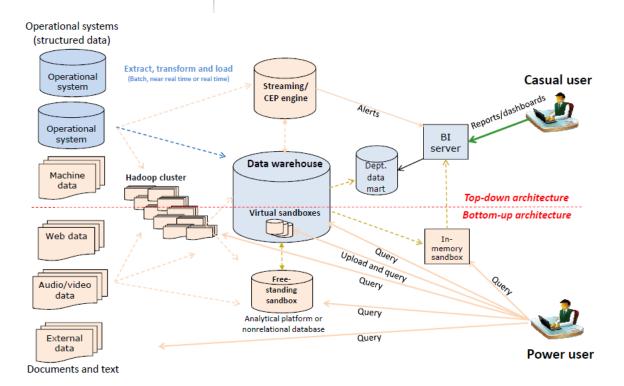




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Future architecture

"THE NEW ANALYTICAL ECOSYSTEM"



The new analytical ecosystem brings business analysts into the mainstream, enabling them to conduct freeform analyses inside the corporate data infrastructure using a variety of analytical sandboxes.

Source: "Exploiting Big Data" – BeyeNetwork Report by Wayne Eckerson





ULTIMATELY, IT'S ABOUT MAKING BETTER DECISIONS FASTER ...





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make connections • share ideas • be inspired



