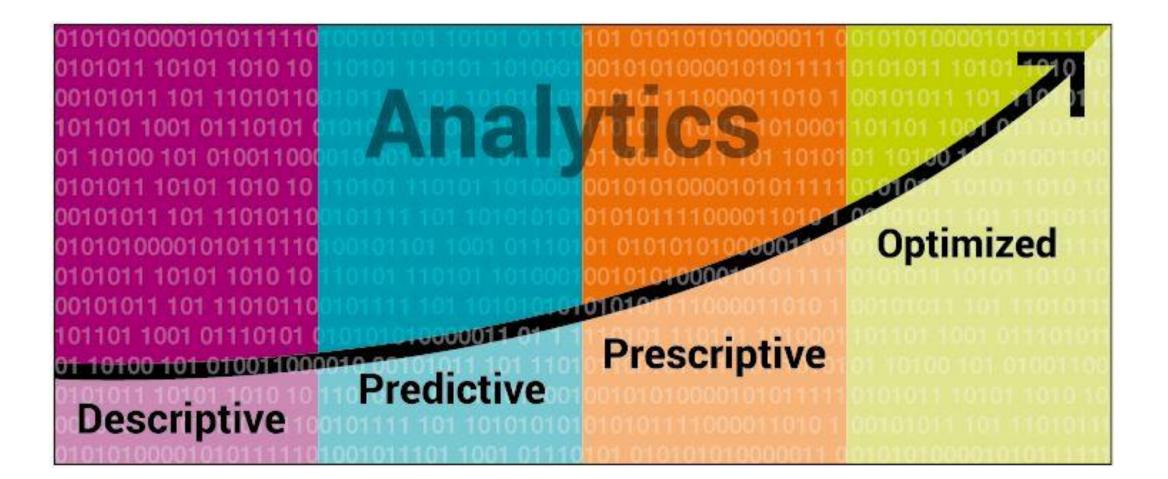
Advanced Analytics for the 21st Century (Re-thinking the Role of IT)

Mid-Atlantic CIO Forum

Towson State University - March 17, 2016

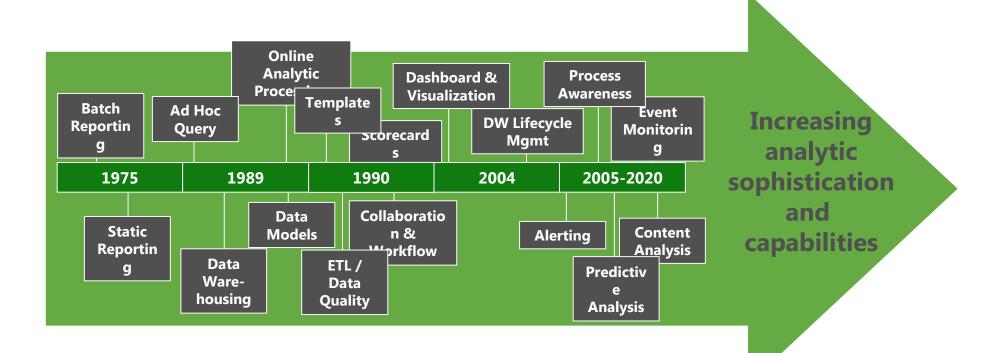
Dave Rich CEO DBR & Associates

Moving Up the Value Chain



Next Major Transformation





Market Trends and Implications

	То
	C-suite agenda
	Enterprise wide accountability
	Accelerated & transformational
	Fit for purpose technologies
	Enable and scale the organization
\langle	Platform / As-a-Service

• Accelerate the Analytics Strategy phase (hypothesis-led)

- · Ability to quickly stand up insight services in parallel
- Quickly bridge to transformational/ scale opportunities
- Connect offerings / practices in a more synchronous way (AIP)
- Clear need for "Analytics Transformation Architects" (sherpas)

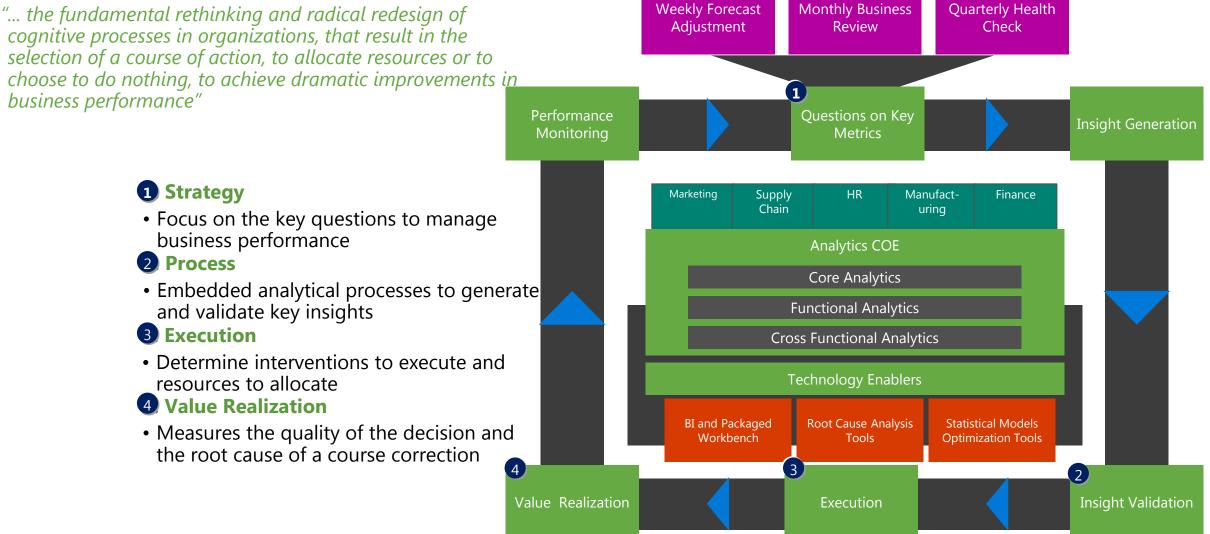
"I need help thinking through how to build a global, enterprise analytics and big data enterprise strategy."

> "Where is the value and how do we aggressively build capability to serve the business?"

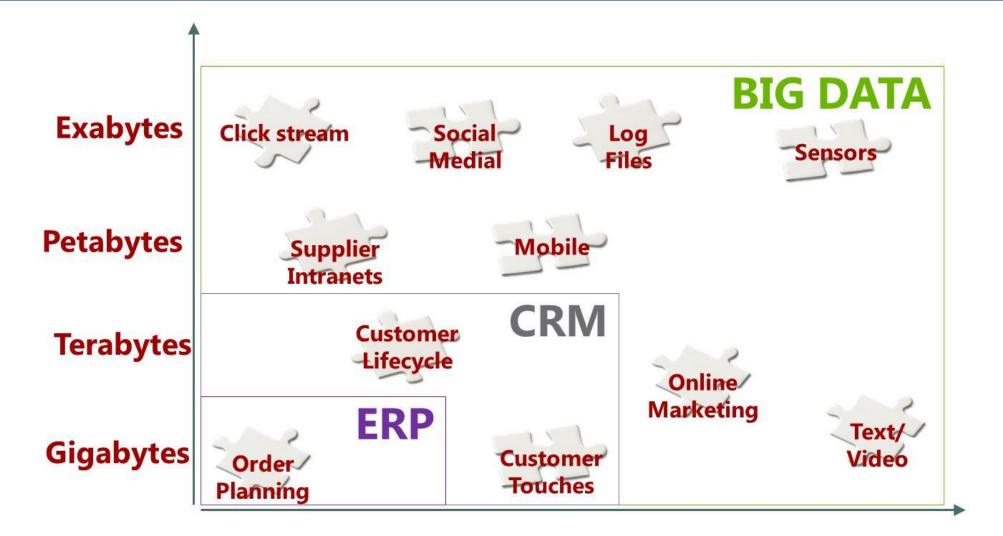
"Can you help us evaluate different talent sourcing options to accelerate our journey".

Drive issue to outcome through insight-driven decision making, where we gain share in the value-based outcomes

Insight-driven decision making

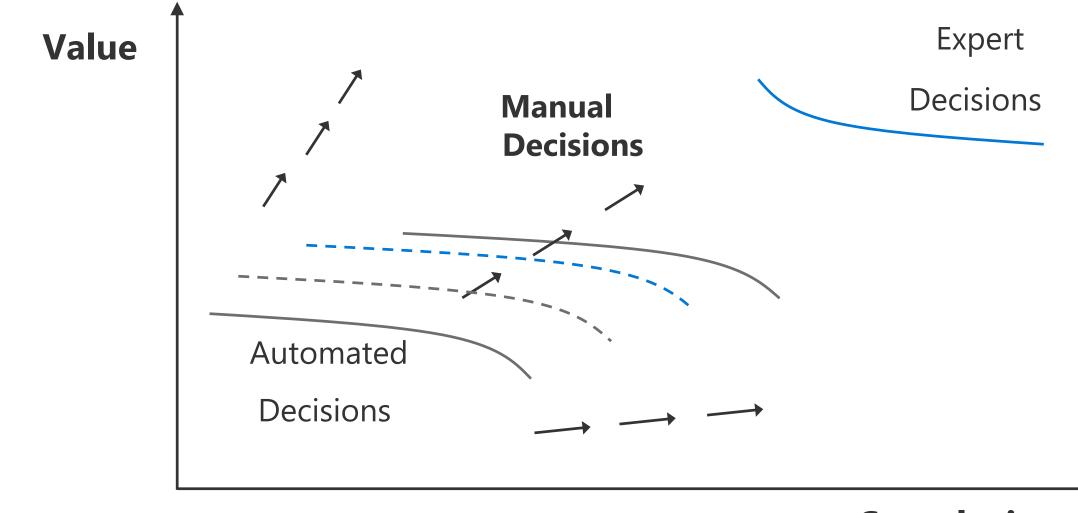


Massive Data Volumes



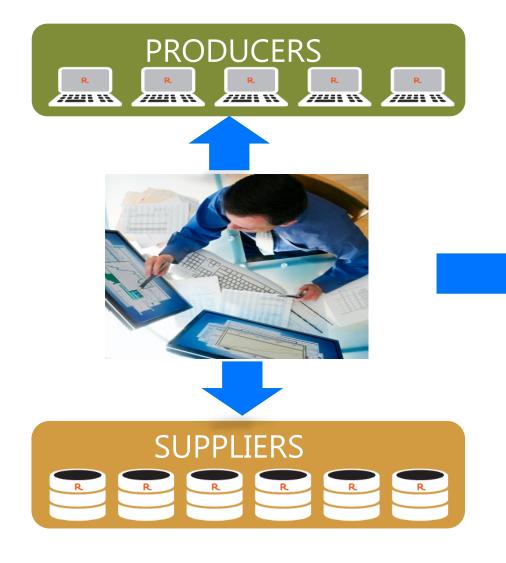
Increasing Volume, Variety and Velocity

Driving Value through Faster, Optimized Decisions



Complexity

How are analytics application development platforms used?





FINANCIAL



ENERGY & UTILITY



GOVERNMENT



TECHNOLOGY





PUBLIC SAFETY





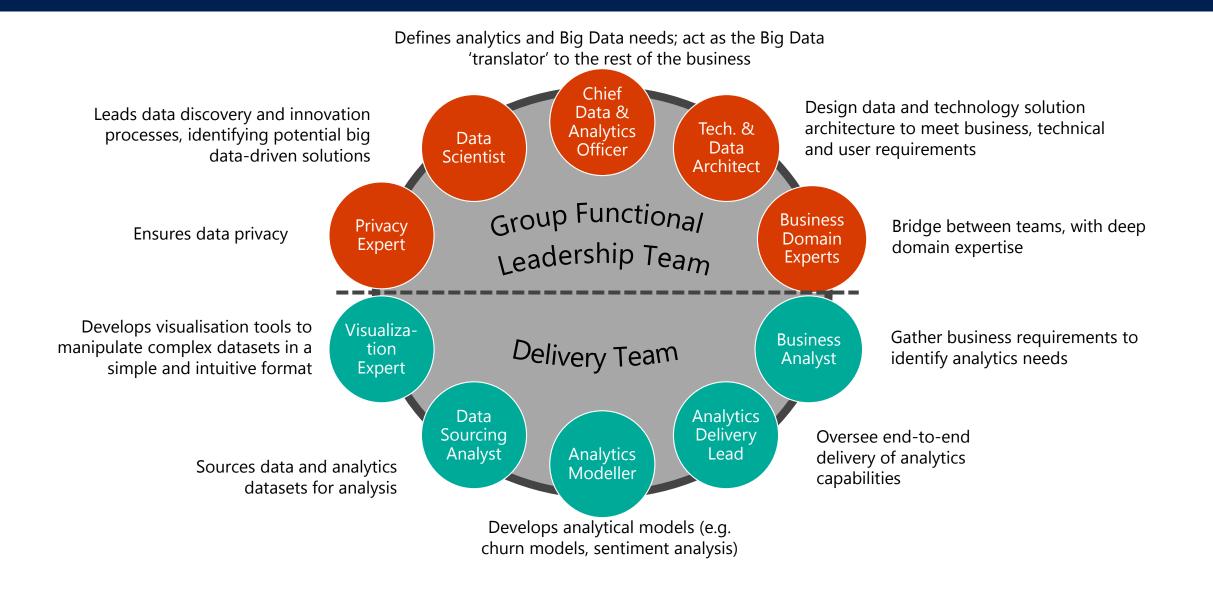
COMMUNICATIONS

TRANSPORTATION

HEALTHCARE

EDUCATION

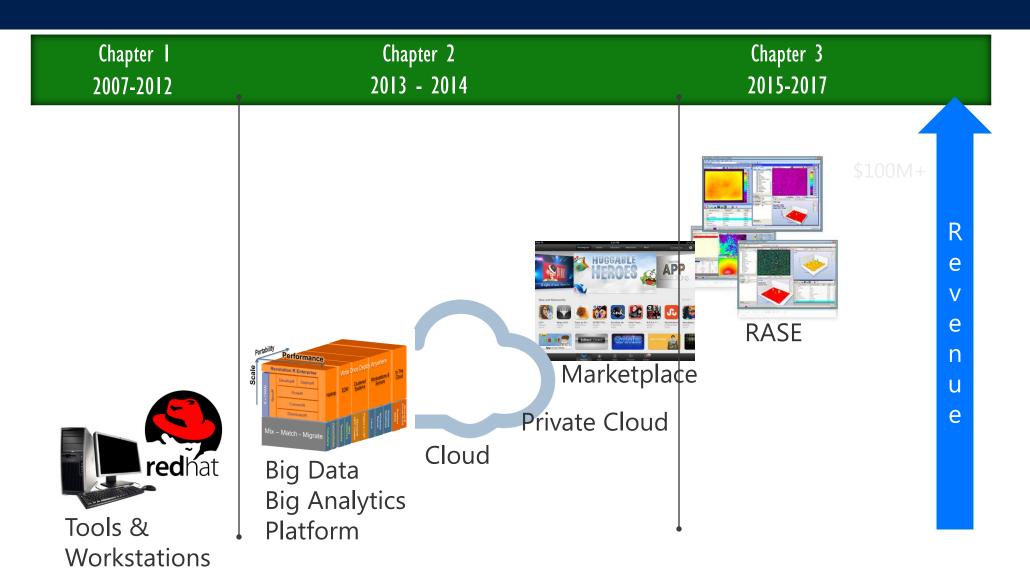
Analytics Team of the Future - Organize for Success



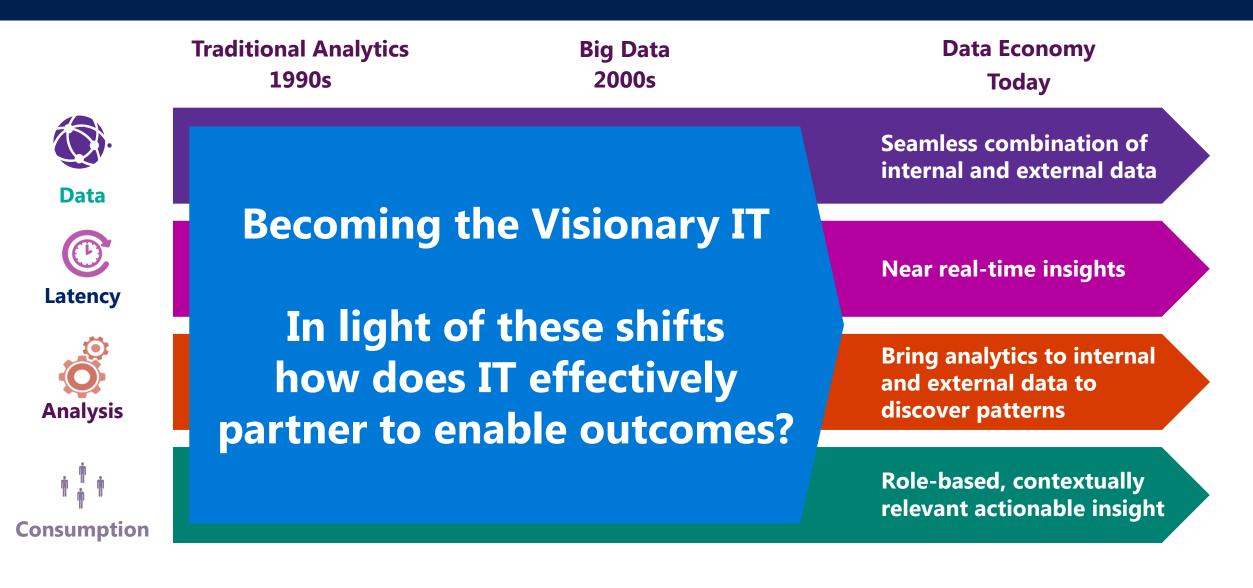
Ecosystem



Evolution of Revolution Analytics



A Seismic Change in Data and Technology Has Occurred



Re-thinking the role of IT

FROM



Controlling the Data Bring Data to Apps



Structuring Data Data Movement

Analysis

Siloed IT Talent Tethered to Applications

Consumption

Pre-Defined Needs Static Reports

TO

Liberating the Data **Bring Apps to Data**

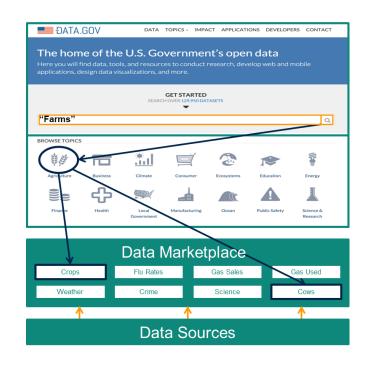
Scaling Processing Usage-based Data Management

Collaboration & Teaming Dynamic IT Talent & Roles

Role-based Visualization Simplification of the Last Mile

The Data Marketplace

The collection of "analytical apps," business apps, data sets, reports and analytical models within the enterprise and the interfaces that enable them to be searched & browsed.



Customer Experience

- Search & Browse
- Data Exploration & Drilldown
- Rich Application Program Interface
- Mobile Compatibility
- Version Control System
- Export data to multiple formats

Telemetry

- User Analytics
- Data set Analytics
- System Analytics
- Combined Analytics (granular view of user access for data sets)

Key Features

Ы

Collaboration

- User News Feed
- Share & Follow Datasets / Notifications
- Recommendation Engine (Driven from Federation Engine as well as user behavior)
- ----Business Process Workflow--

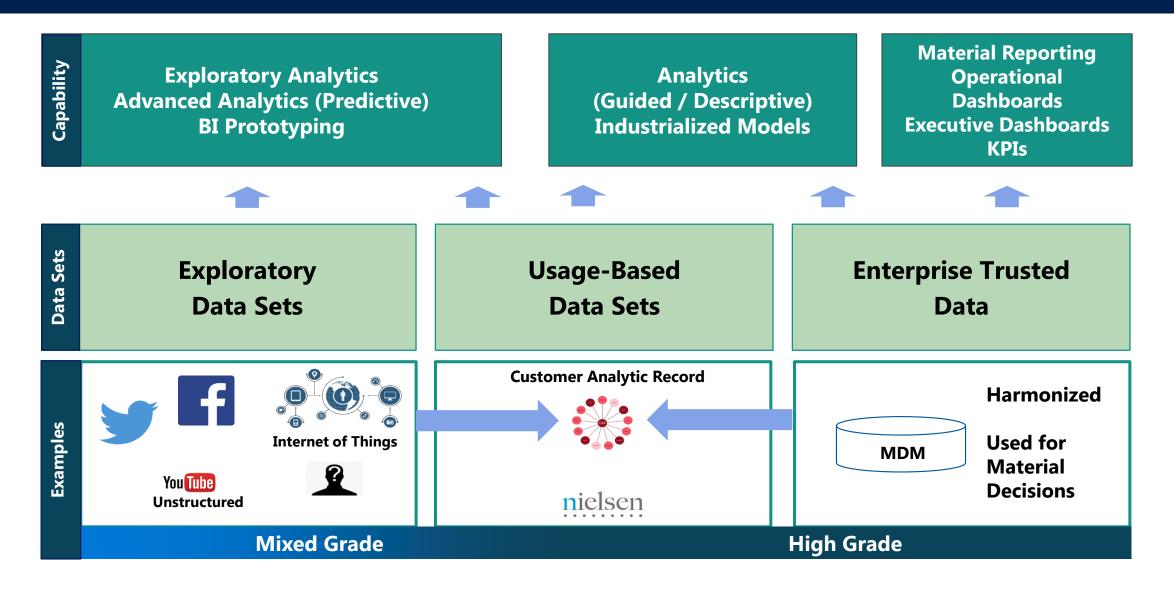
Administration

- Customized Apps
- User Profiles & Access
- Hierarchy Management
- Federation Engine / Harmonization
- User Management Engine

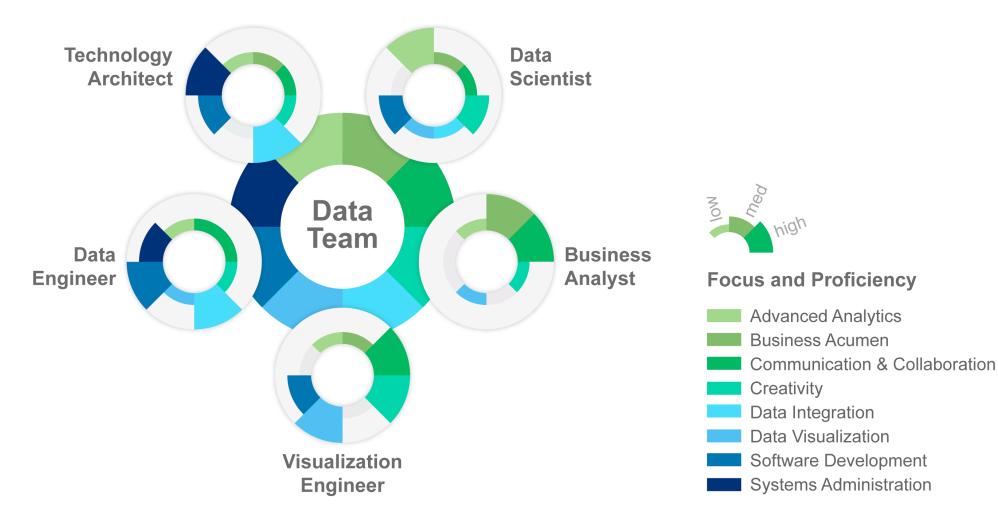


Moving Away From "One Size Fits All" Data





Workforce of the Future





Keeping Complexity Behind the Curtain





Machine learning

Set of data discovery and analysis tools used to uncover hidden features in the data





Developing your Analytics Muscle



Summary

- Decision Process Re-Engineering will be to the next decade what Business Process Re-engineering was to the previous two (it's the next big Management Wave)
- Treat it as a Business Transformation Program
- Lead the Transformation (become the Chief "Insight" Officer)
- Partner with the Chief Marketing Officer to embed Customer Insights in (most) every decision
- Don't get caught up running the "Data Landfill." That makes you the Garbage Man. Be the one that turns garbage into gas.

Q&A? Thank you!