"Only 10% - 30% of Analytics Projects Succeed"



What's the major obstacle for Al?







What's the major obstacle for Al?

Top Big Data Challenges for 2015

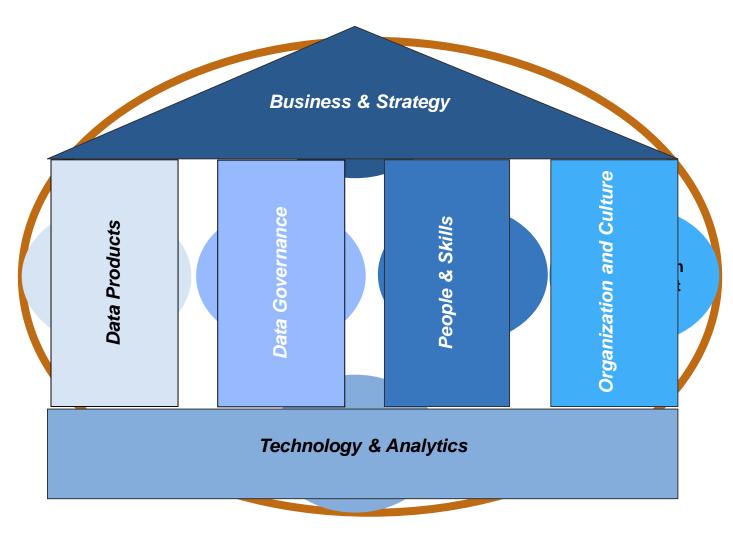


Challenges
Don't Mean
Weakened
Security





So Many Uncertainties ???



Big Data Analytics Framework

A business case that justify investment in big data analytics with proven value creation

Business & Strategy

Analytics products aligned with strategic vision and mission and ability to answer key business questions

- Policies and securities governing data access, data exchange, customer's privacy, etc..
- Data quality framework enacted by clear system of responsibility and accountability

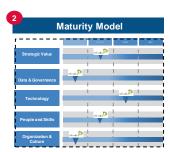
 Talents that focuses on developing matured intelligence data products and insights including data scientists Organizational setup, relation and partnership that supports data science activities, as well as communication and collaboration between external partners

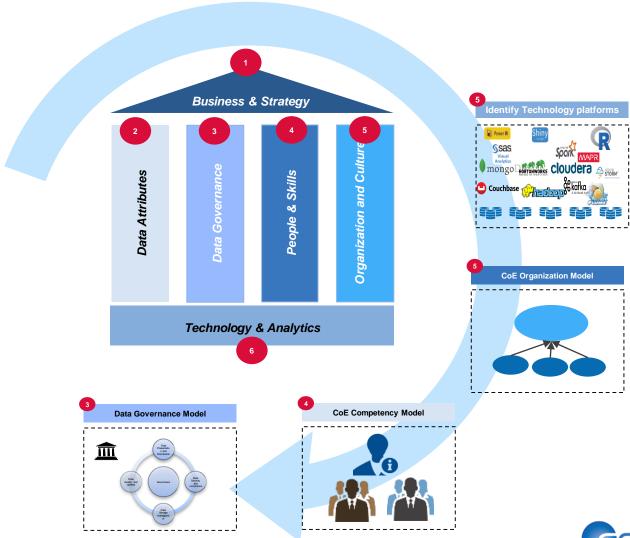
- Next generation data analytics and AI tools to support robust data analytics activities.
- 2) Advanced analytics of massive structure



Big Data Analytics Framework



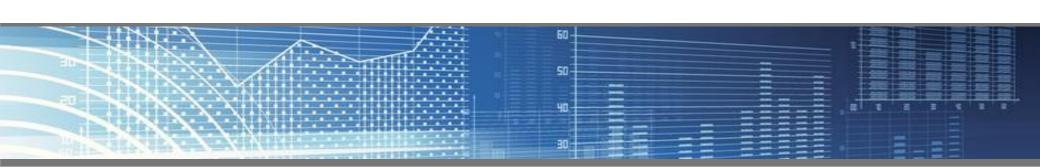






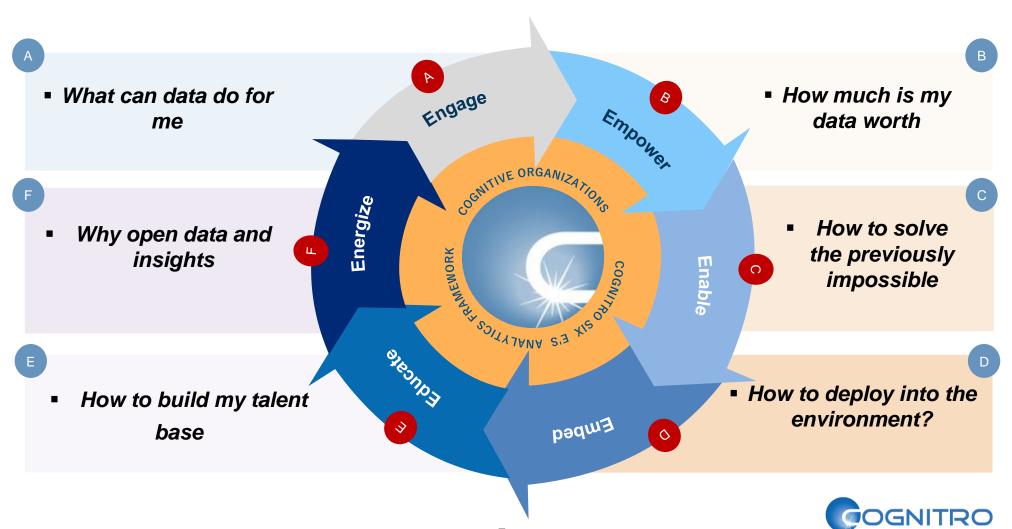
Session Agenda

- About the Speaker & Organization
- Al Blessing or Curse
- Top Challenges Facing AI & Big Data
- Cognitro Six E's Cognitive Framework
- Example: Health Digital & Al Strategy
- Key Success Factors for Building Sustainable Al

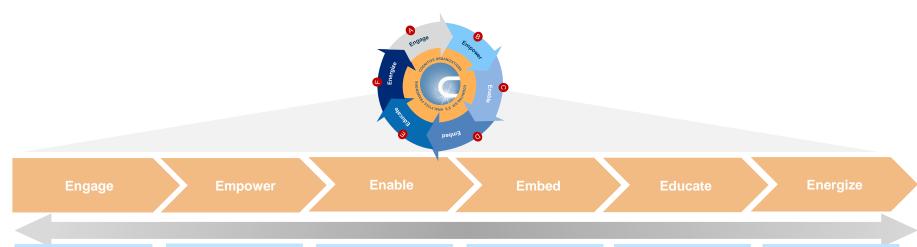




Cognitro Analytics Six E's Framework for a Cognitive Organization ™



A comprehensive set of next-generation end-to-end Al and advanced analytics



Data Analytics Stand-Up & Scale Up

"What Can Data Do for me"



- Review State
- Assess Maturity
- Manage Transformation
- Inform Strategy & Roadmap

Realization of Total Data Value

"How much is my data worth"



- Use Case Prioritization
- Data Identification, Acquisition & Gaps
- Management & Governance
- Pilots & Prototypes

Enablement through Data Science

"How to solve the previously impossible"



- Data Cleansing
- Data Visualization
- Predictive Modeling & Machine Learning
- Insight Generation & Contextualization

Operationalization & Insights Generation

"How to build the technology and the environment?"



- Decisioning Platform
- BI Technology
- Big Data Tools and Infrastructure
- Insight to Action & RFP Support

Igniting
Data Science Talent

"How to build my talent base?"



- Capability Assessment
- Executive workshop
- Training & Scaling
- Capstone Project
- Competency Model

Community Outreach

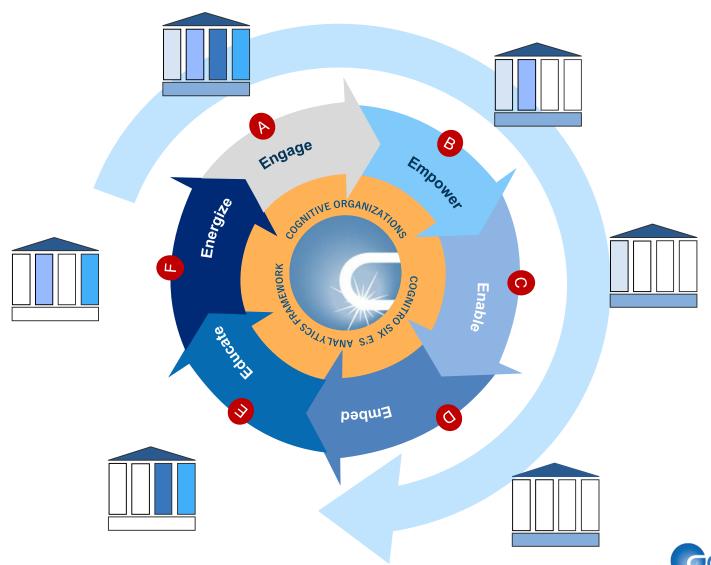
"Why open data and insights?"



- Impact, Outcomes, & Storytelling
- Insights to Innovation
- Data Monetization
- Organizational Constructs



Six E's Model Driving Big Data Analytics Framework

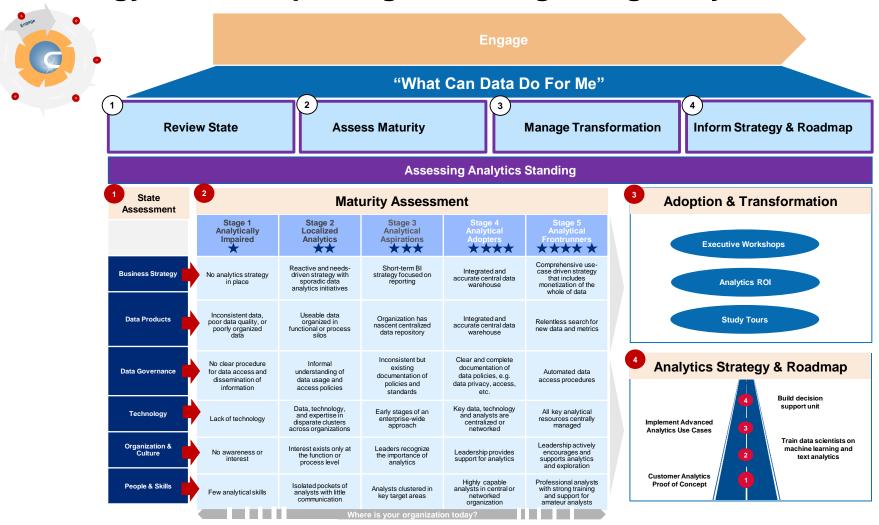


Data Analytics Stand-Up & Scale Up: Assessing standing, building strategy and championing and evangelizing analytics from within



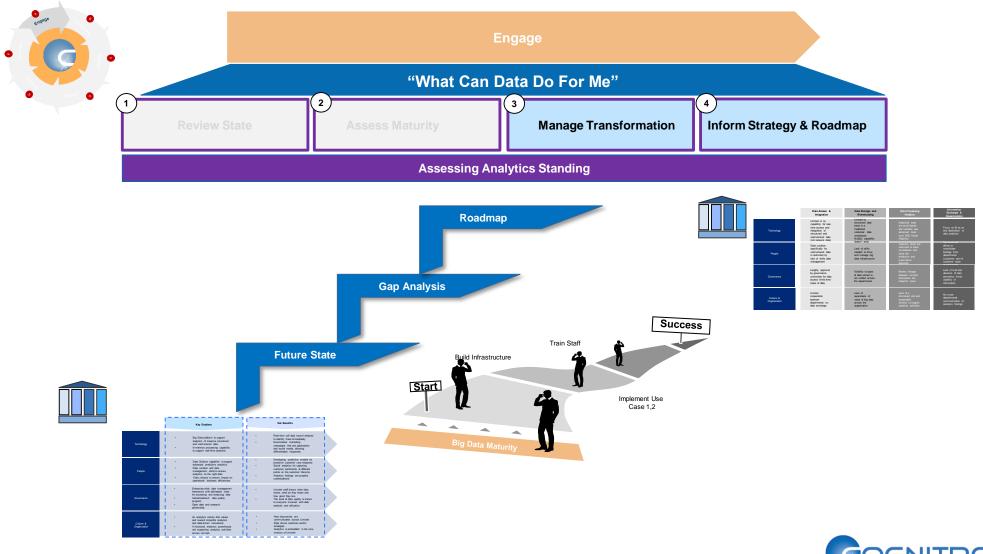


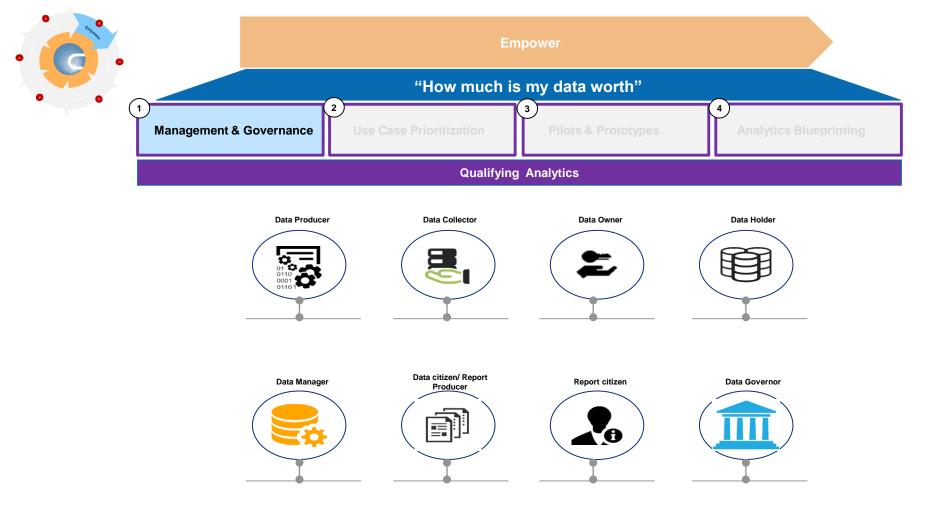
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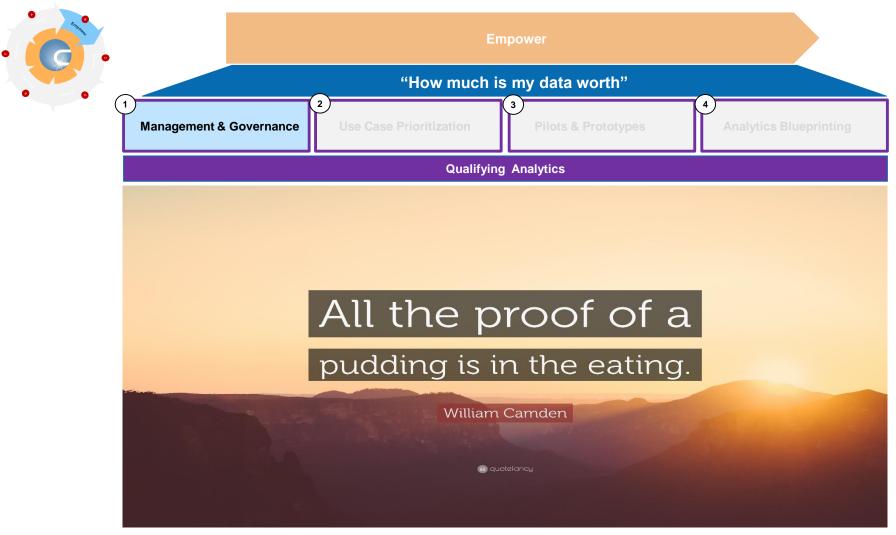


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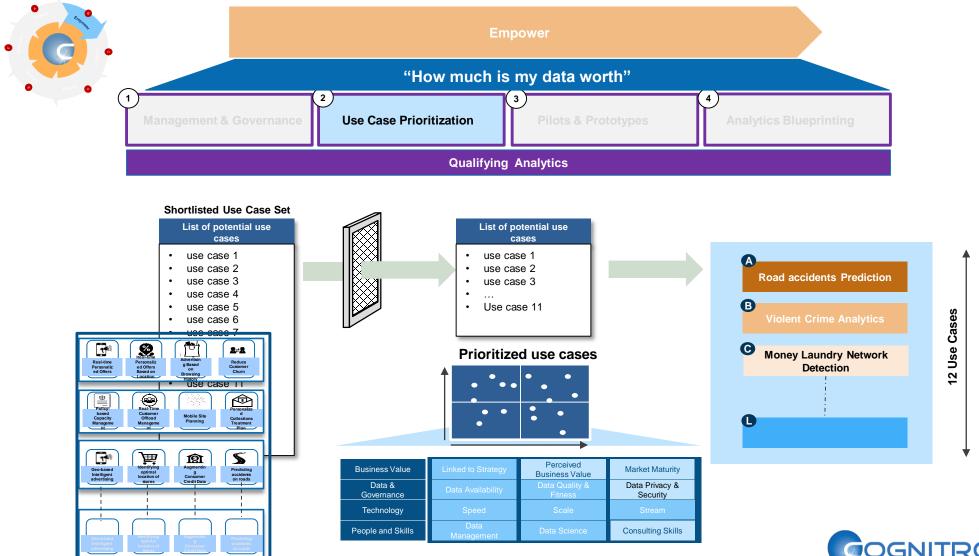


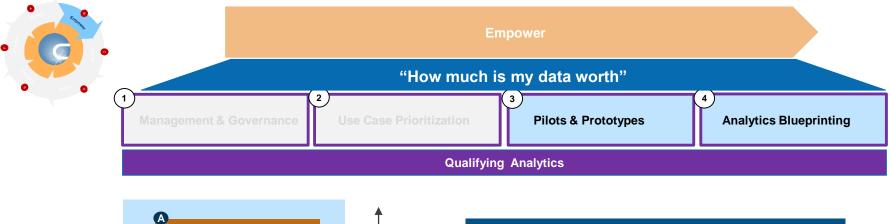


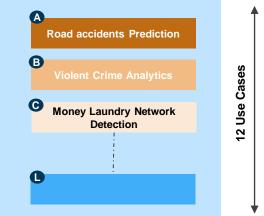


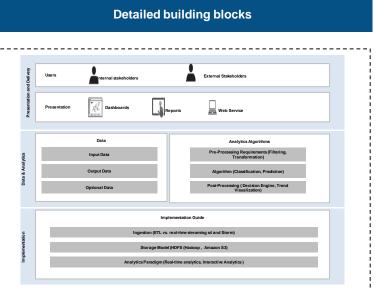








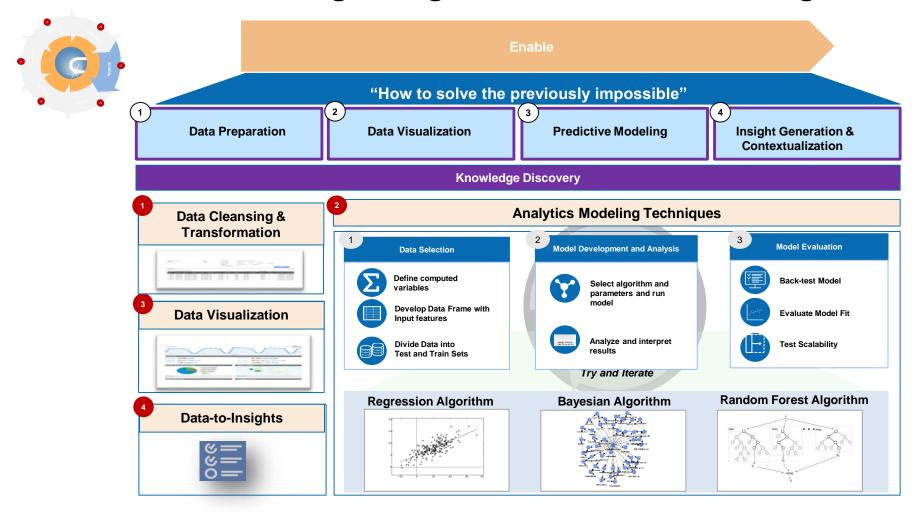




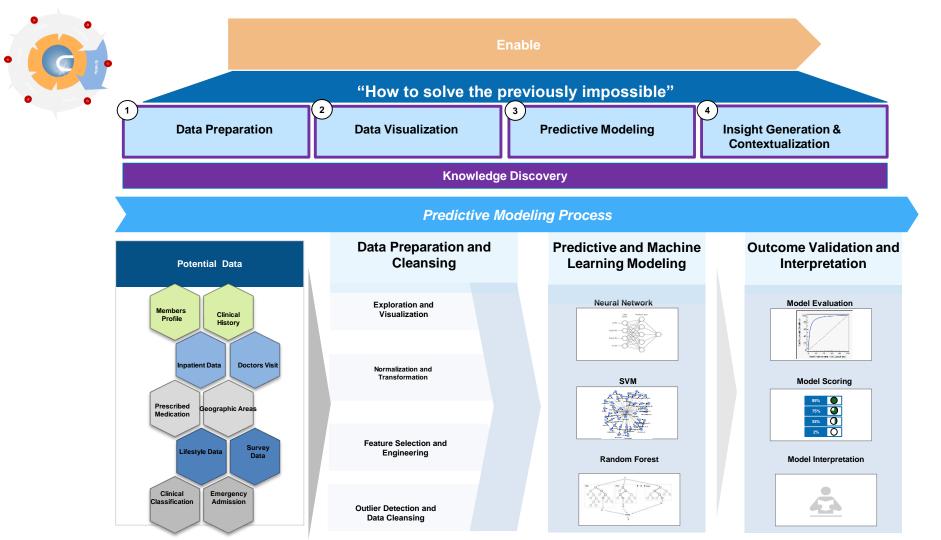


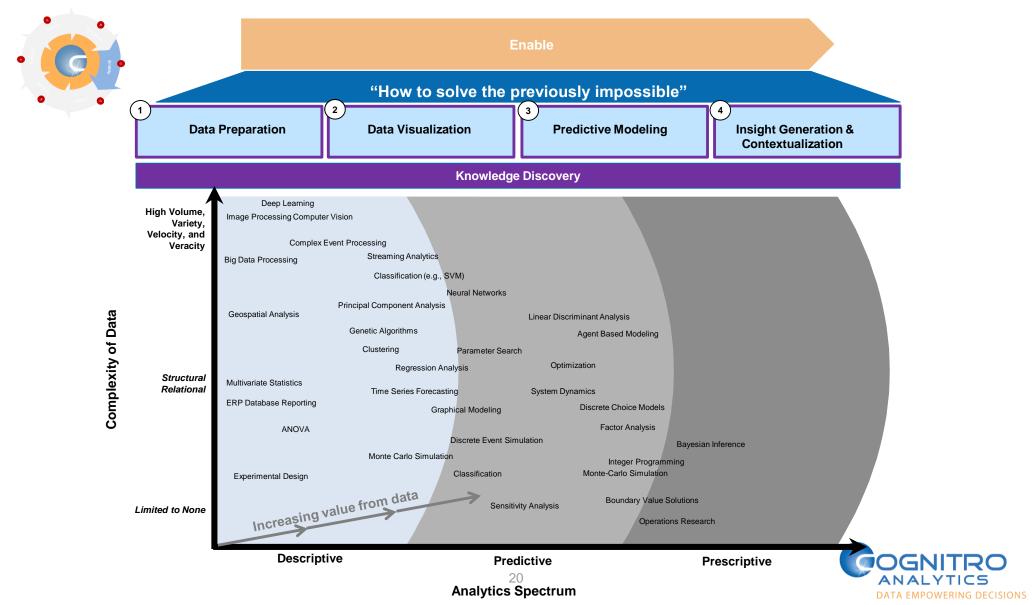


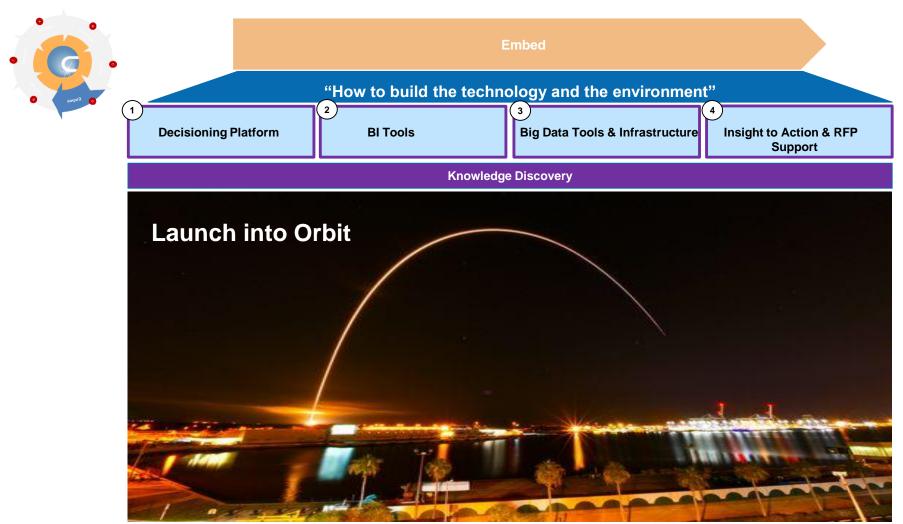




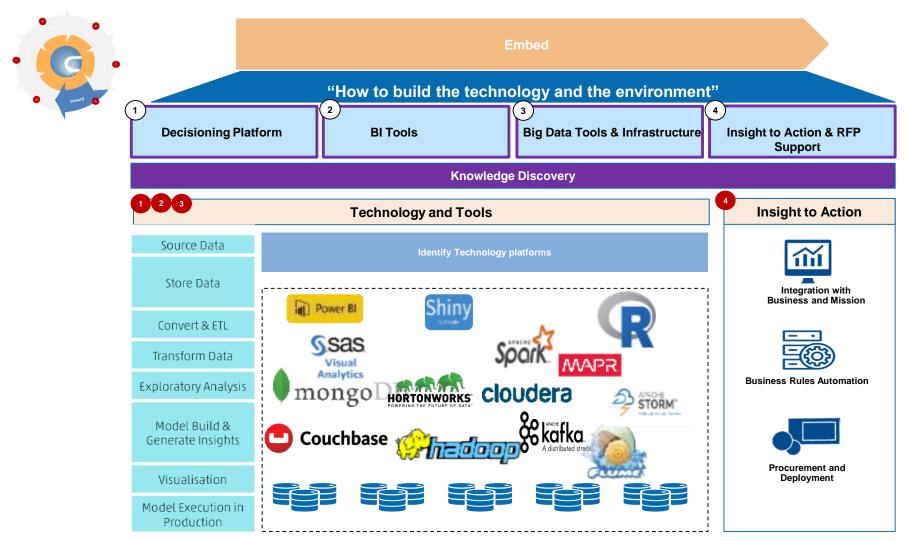




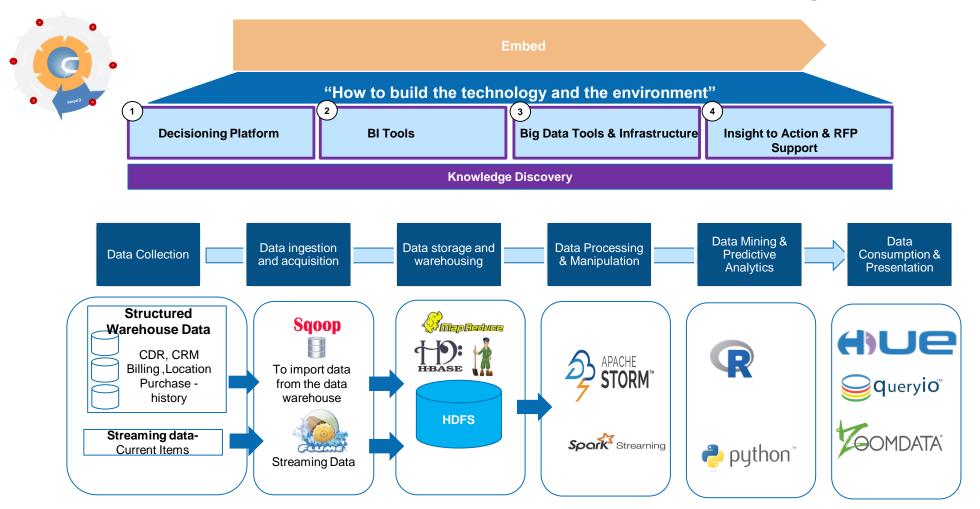




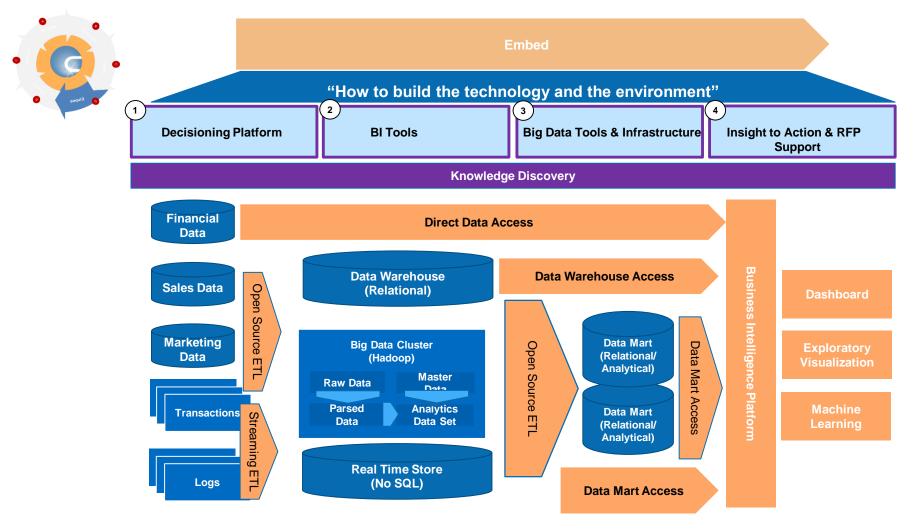




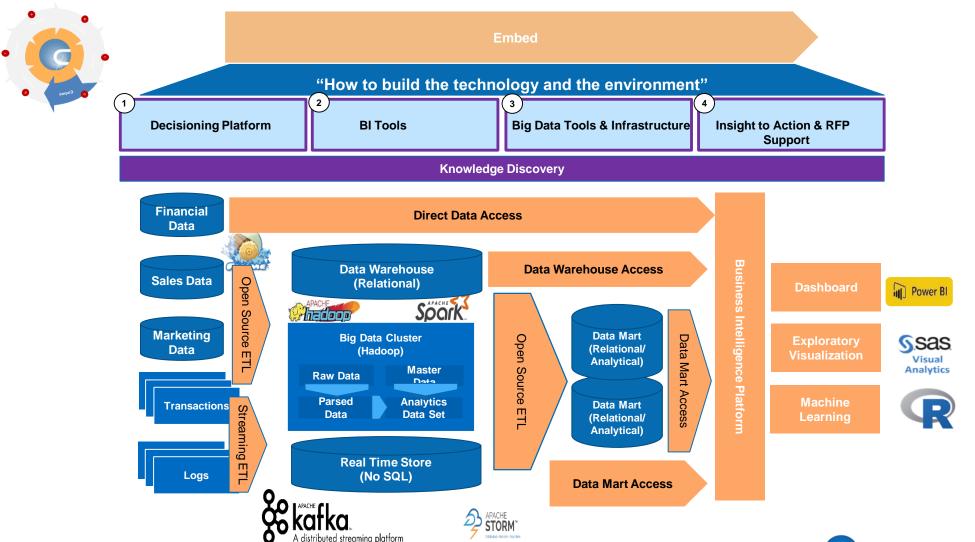








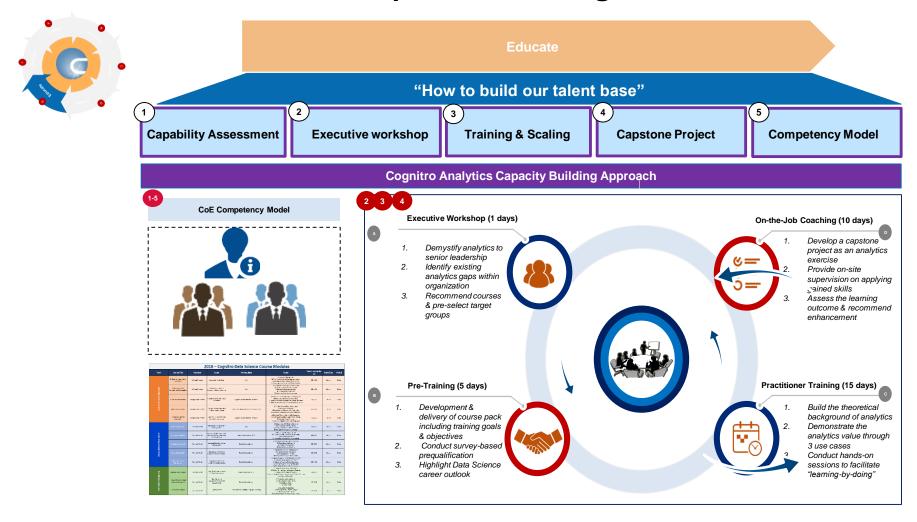




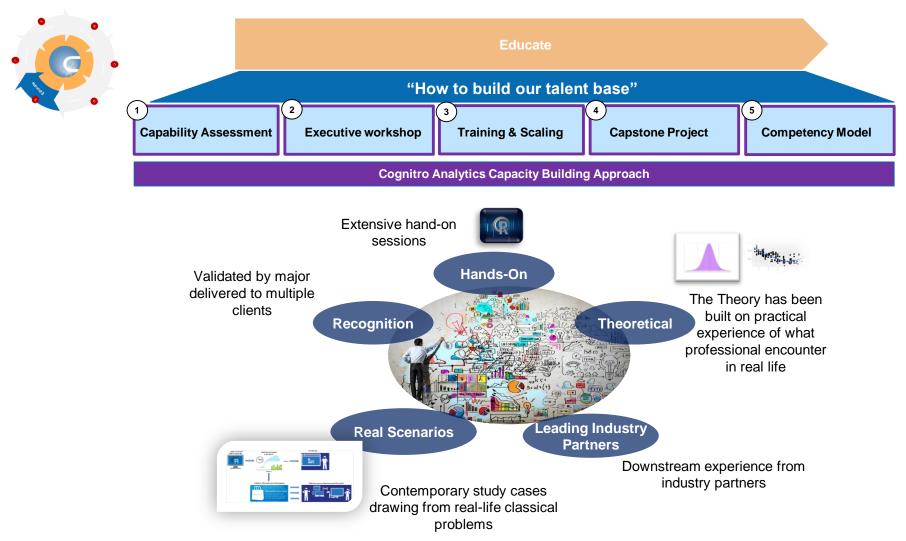




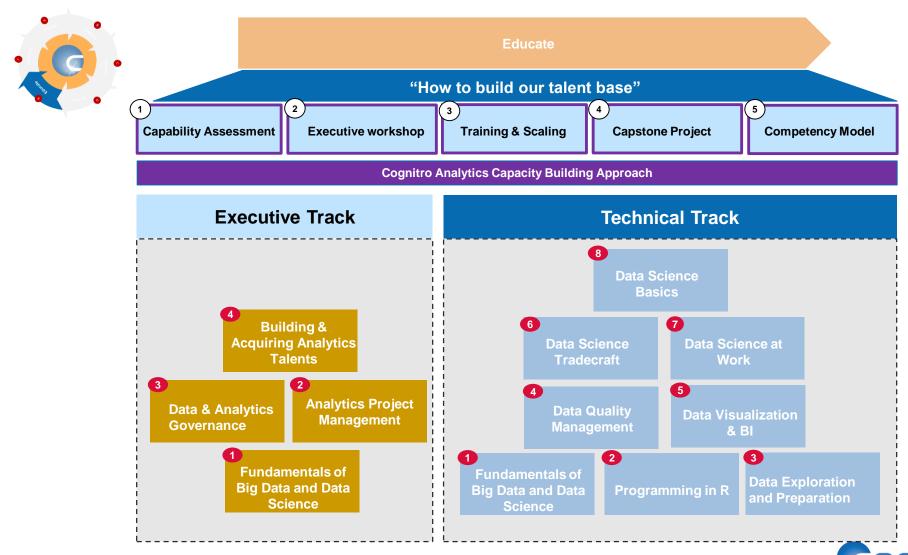


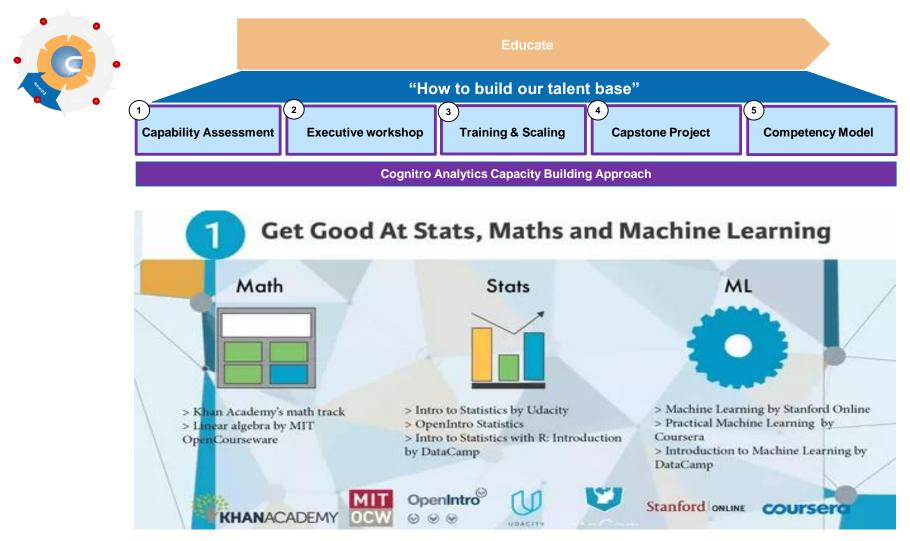




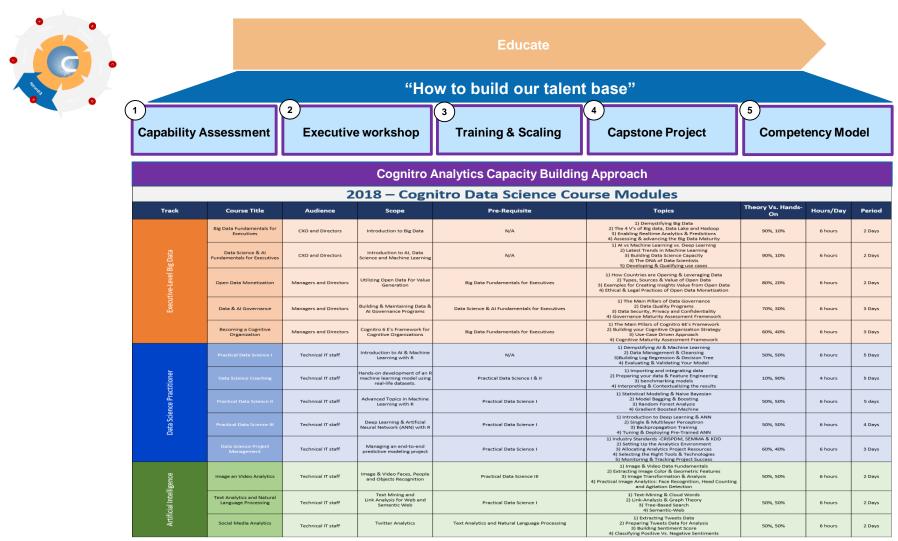




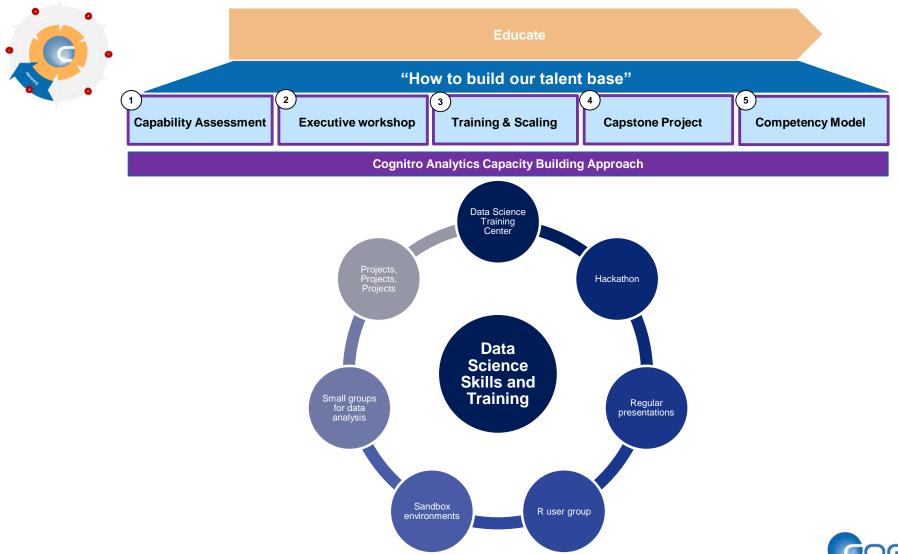


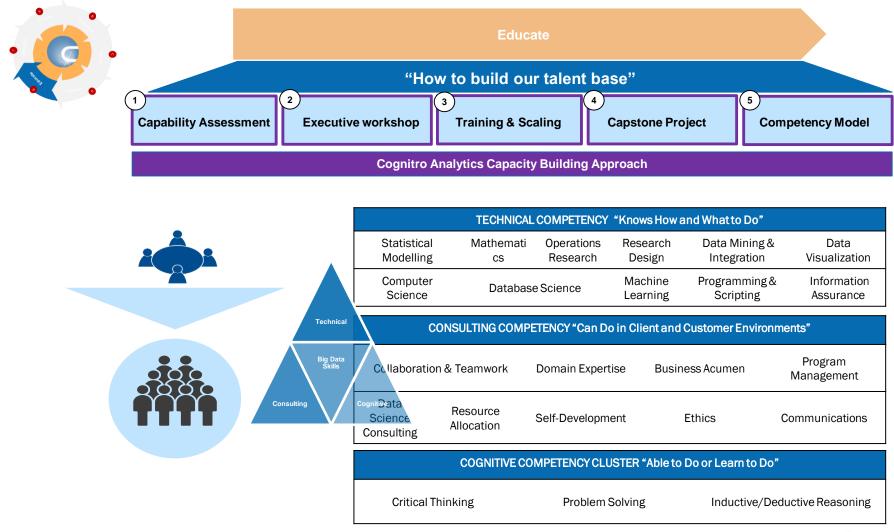






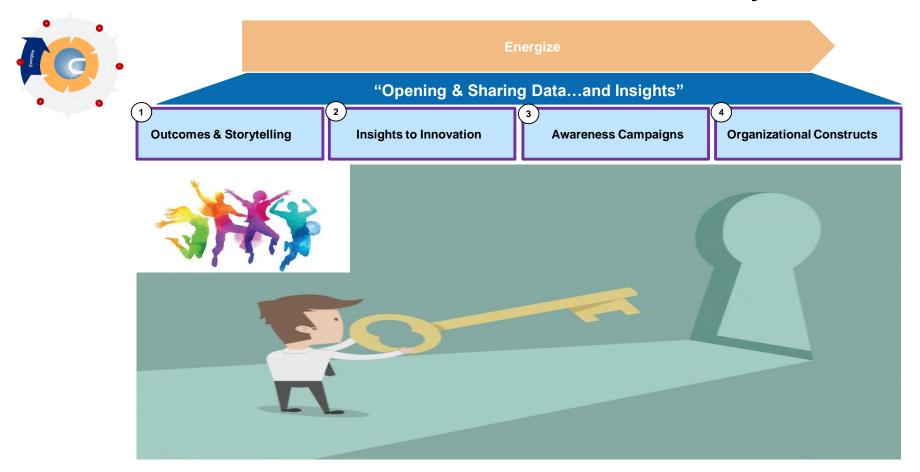






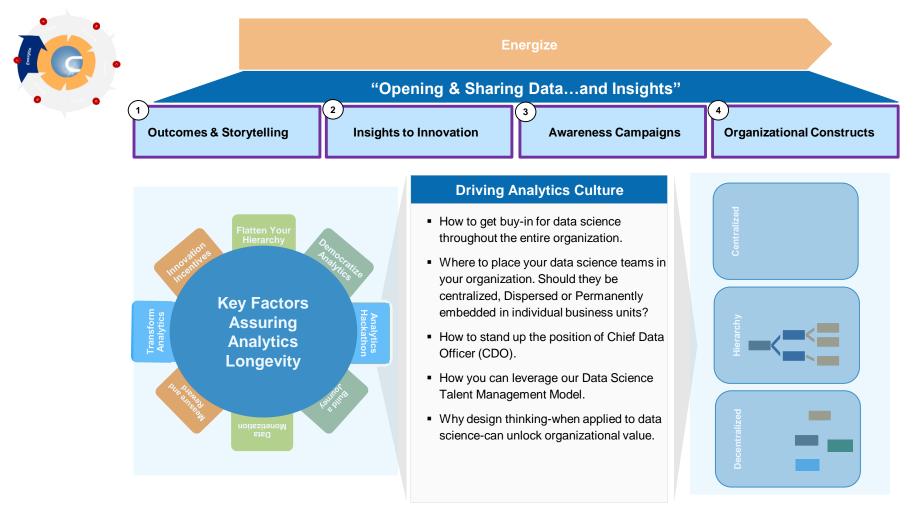


Community Outreach: fostering a culture of innovation through transformational and sustainable Analytics



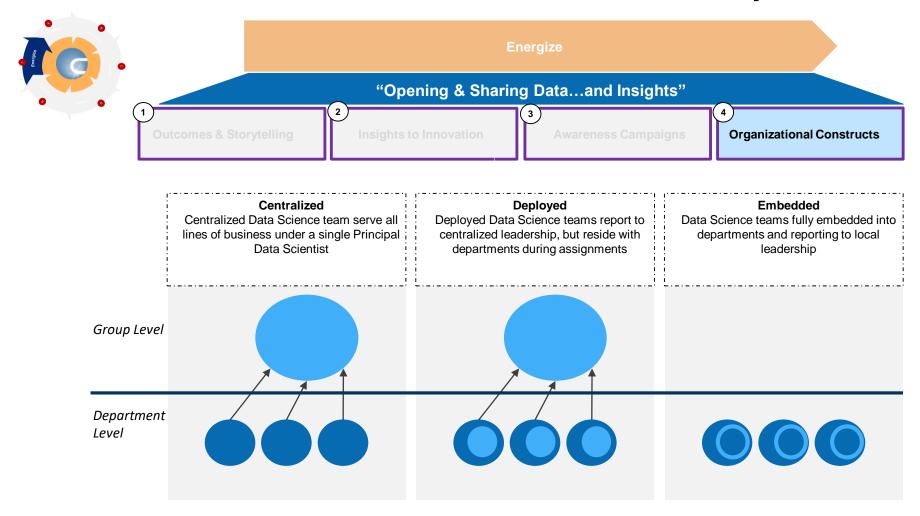


Community Outreach: fostering a culture of innovation through transformational and sustainable Analytics





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The UAE has Appointed the World's First Minister of Artificial Intelligence

Politics | October 23, 2017, Monday // 17:16 | Views: | Comments: 0

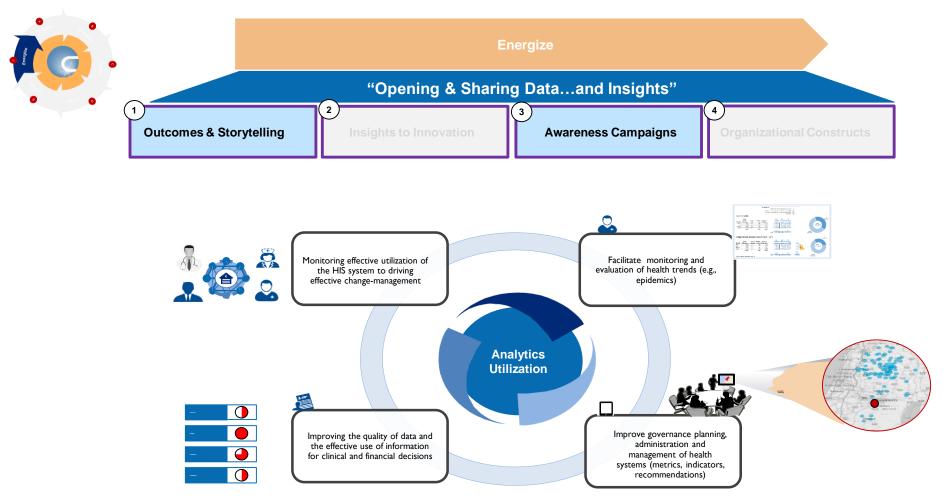




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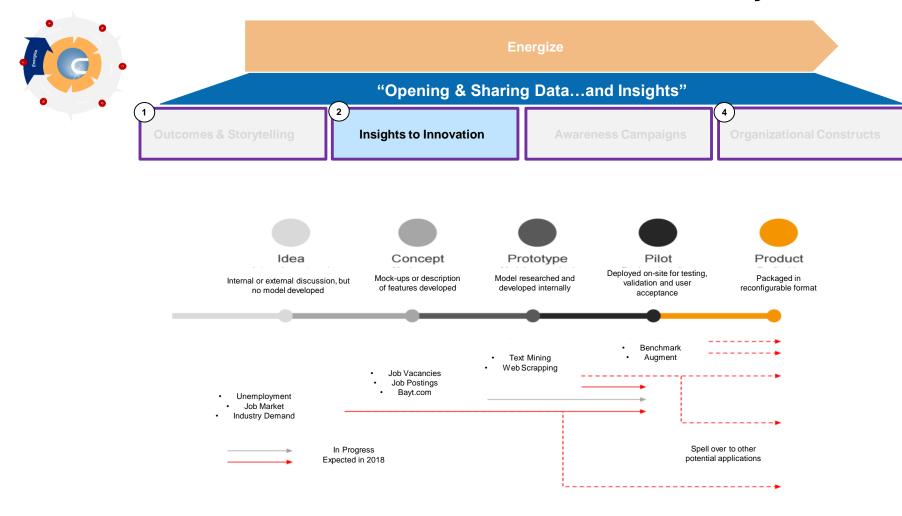


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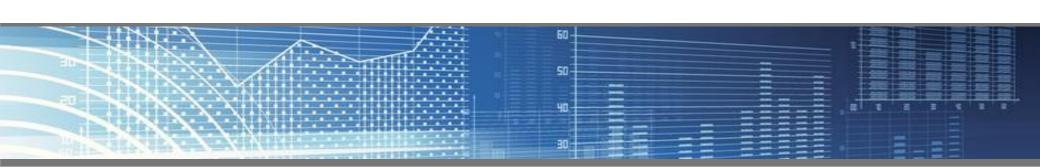
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DIGITAL TRENDS FORUM











Pregnancy is the 2nd leading contributor to people movements after cancer

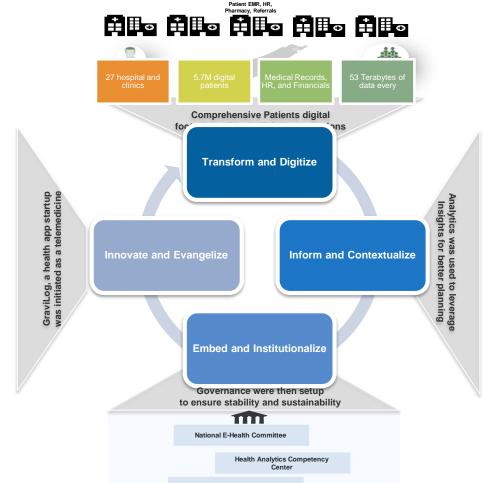
Results with 75% accuracy were used

to improve referrals to hospitals

outside the MOH network

(Cost Saving of 2.5M USD in the first

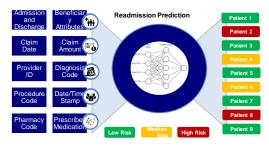
year)



Health Decision Support Center

Readmission prediction improved utilization by 32% on all 23 hospitals and clinics

m Predictive Resources and Capacity Planning Resource Metrics HR Medi



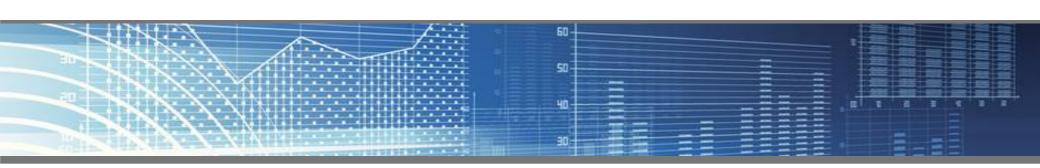
Waste and abuse cases discovered in 7 major hospitals produced a recoverable items of up to 1.3M USD

GraviLog app was born to manage patients doctors communication and generate new data



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Tips for Building AI Capability

Build Your Strategy Acquire the Right Resources Institutionalize Analytics Start with Leadership Holistic: technology, Start Small, Scale Up Hire Chief Data Scientist governance, people, data Test, Pilot and Deploy products Encourage cross-One Part Enforcer: data Strategic alignment with Acquire multi-levels data collaboration between units overall vision and mission science expertise access and governance and teams Two Parts Data Evangelists: Stay away from buzz words, Top-Down, not Bottom Up convert data assets to Measure analytics ROI focus on core skills decisions Build data-driven culture Disseminate findings **Use-Case Approach** Look internally and externally **Cross-Collaboration & Partnership**



Innovation & Disruption

Organization & Culture

Core Principles for Government Big Data Translated into a Set of Key Initiatives

Core Principles

From "Protect before you share" to "Share with Protection"

Never Stop Experimenting No Data Is Left Behind Becoming an Analytics
Powerhouse



Core Principles for Government Big Data Translated into a Set of Key Initiatives

Core Principles

From "Protect before you share" to "Share with Protection"

Never Stop Experimenting

No Data Is Left Behind Becoming an Analytics Powerhouse

Key Initiatives

- 1) Open Data Initiative
- 2) Open Data Policies
- 1) Innovation Data Lab
 - 2) Sandbox Environment
- 1) Data Governance Program
- 2) Big Data Platform
- 1) Invest in Data Science Training
 - 2) Chief Data Scientist



Questions



Where Will You Start!



Thank You

