



Innovative approaches to capacity building in the use of Big Data

International Conference on Big Data for Official Statistics

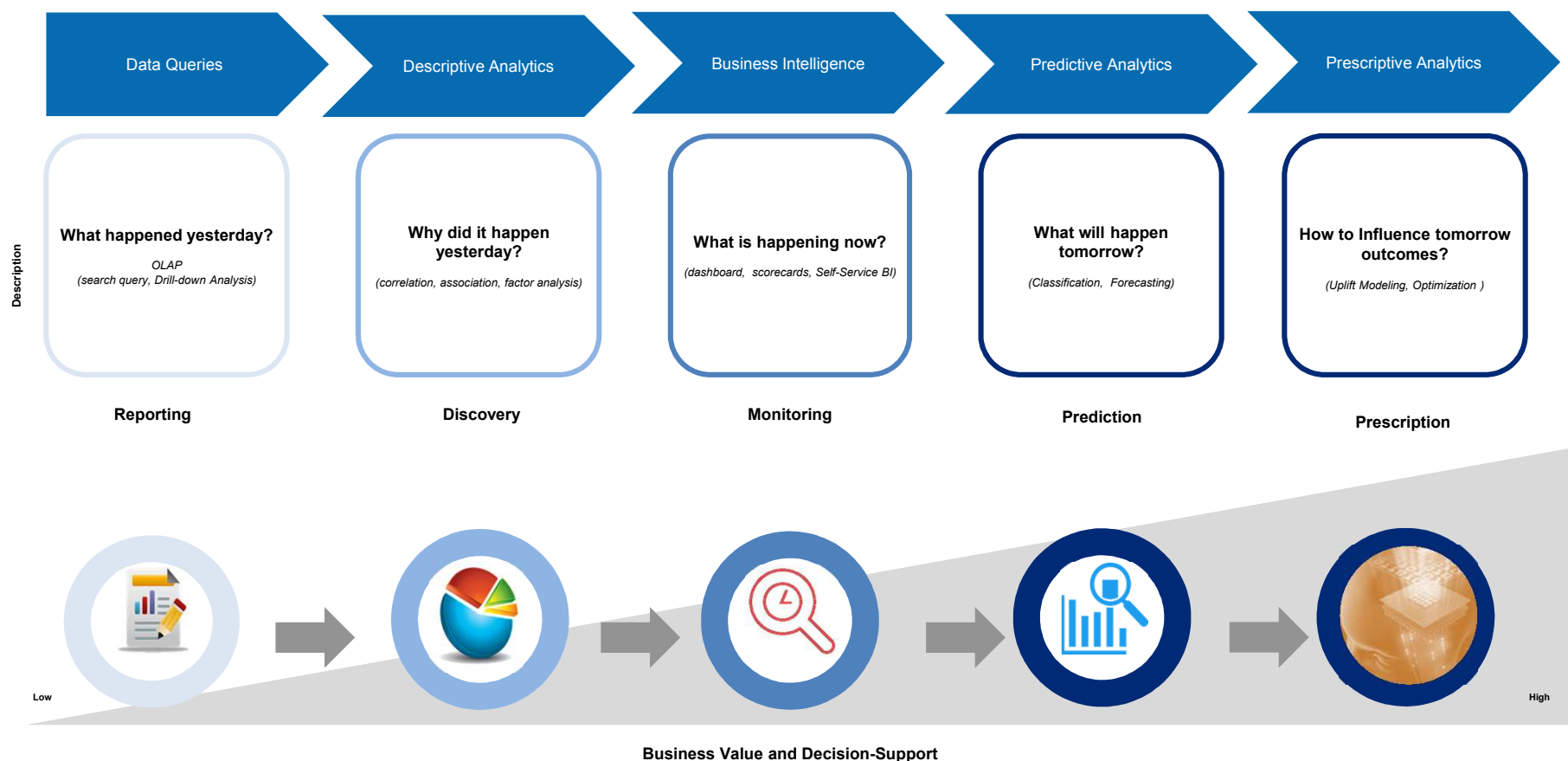
31st August – September 1st 2016

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**International Conference on Big Data
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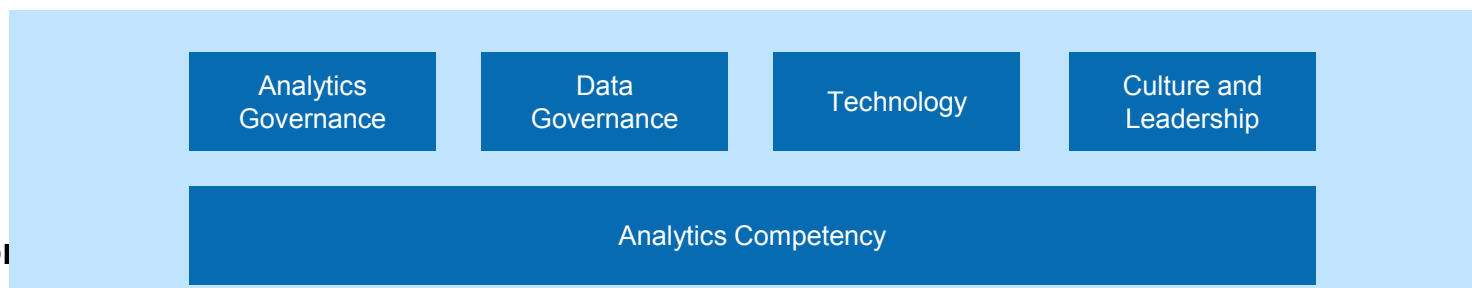
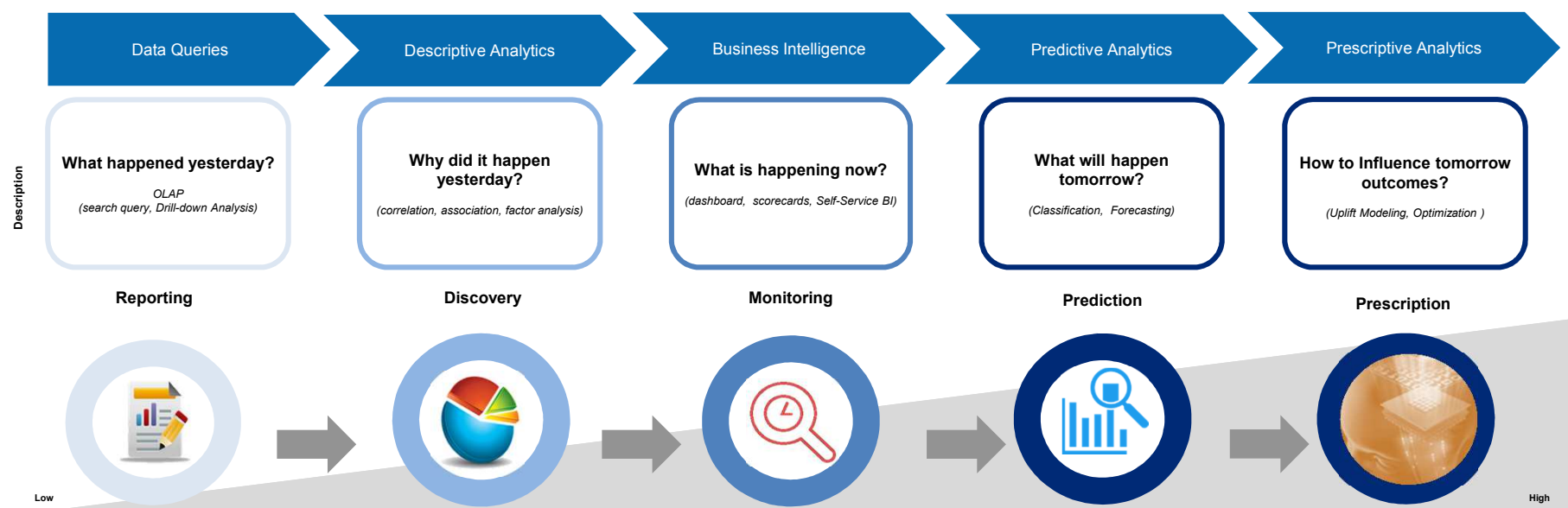
Many claim to be at the forefront of Analytics but how much “intelligence” are you digging up from your data

Pushing the Analytics Envelop



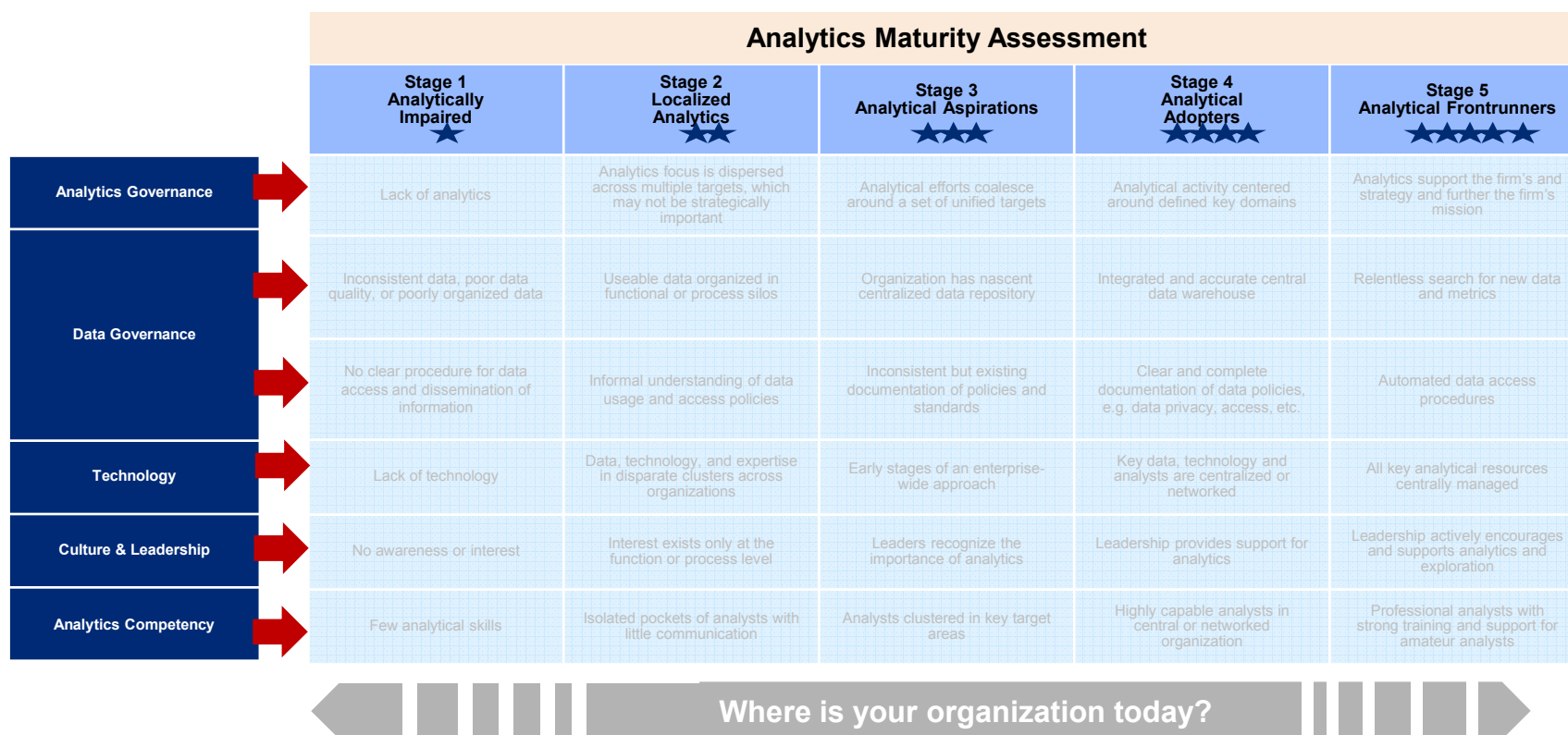
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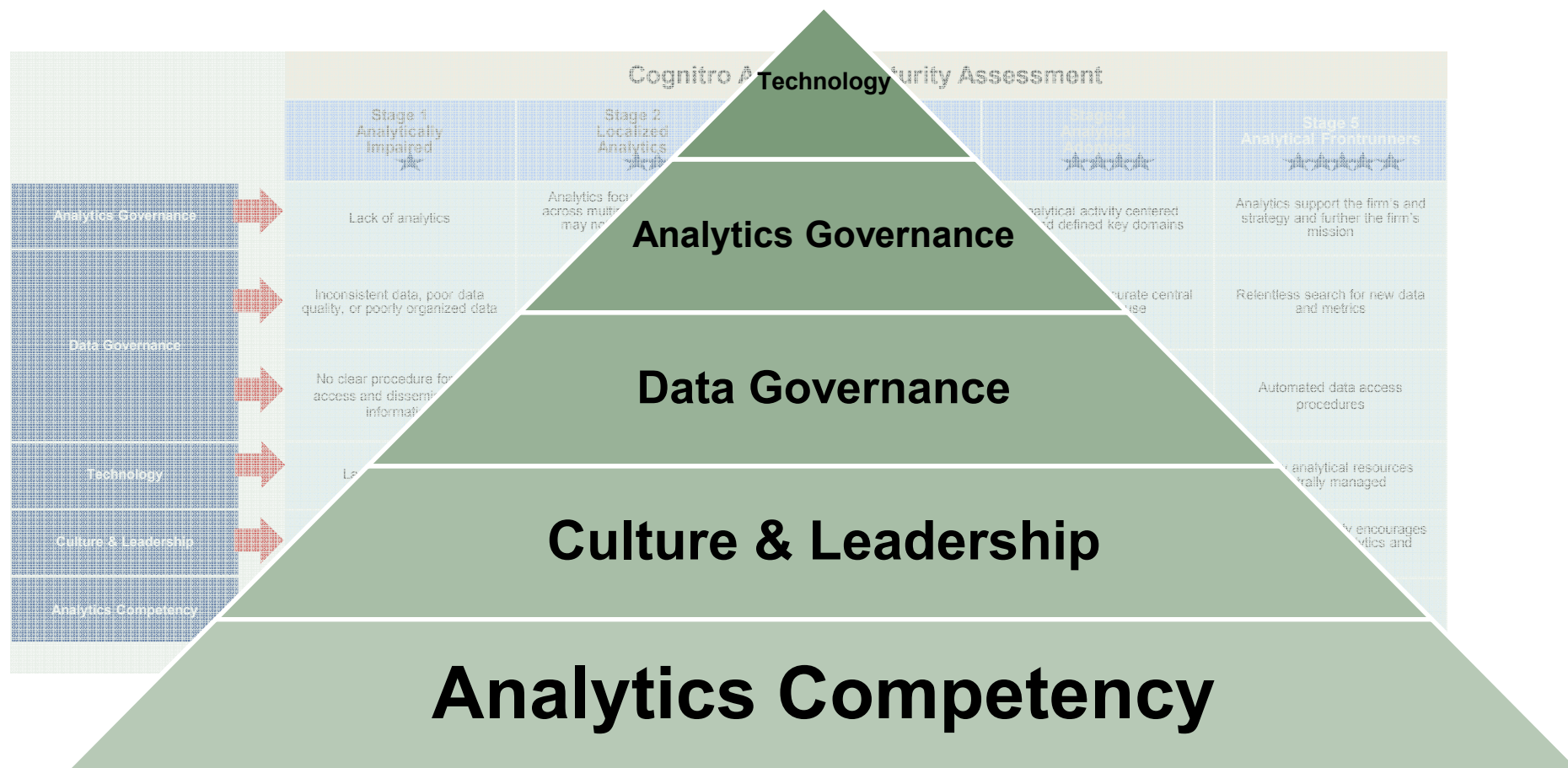
For a start, organizations need to go through a diagnostics health check in order to assess its analytics fitness.

Analytics Health Check

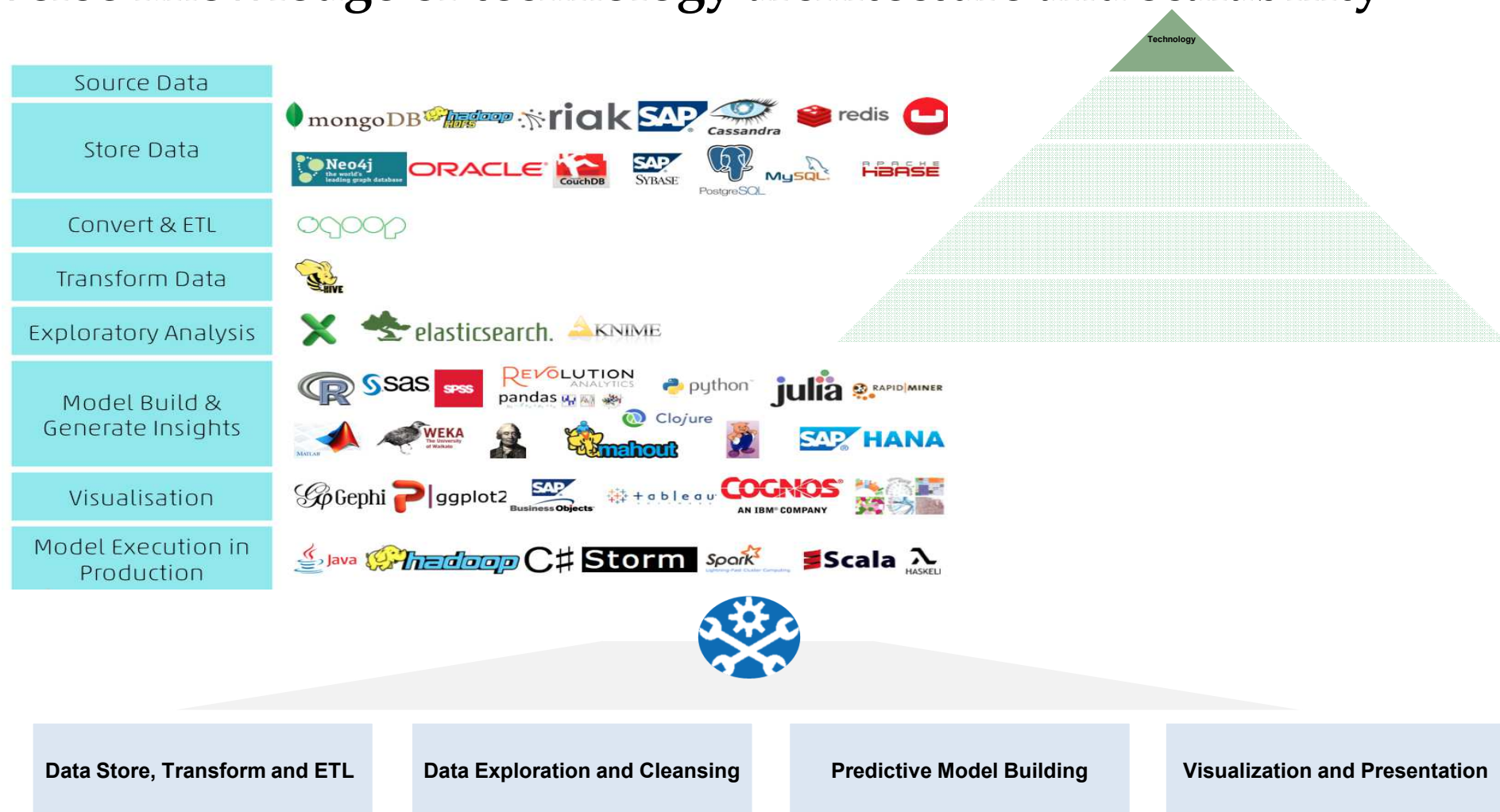


And that needs to take place across the main facets of analytics, beginning with technology and ending with people competency

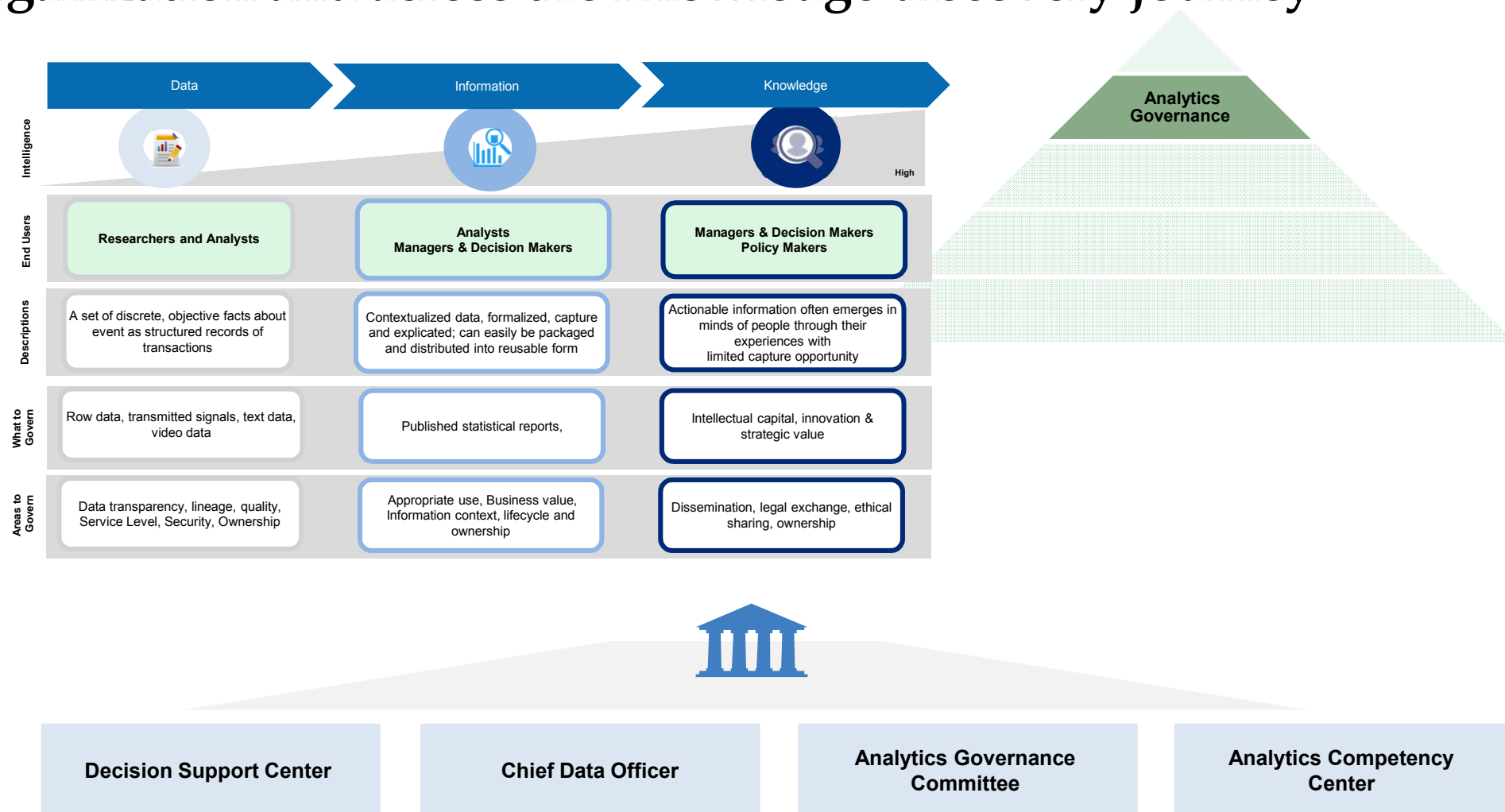
The main facets of analytics



Mapping analytical goals to technical requirements requires diverse knowledge of technology architecture and scalability



The intricacies of Governance extends to everyone within the organization and across the knowledge discovery journey



“To Govern with Data Requires That You First Govern the Data”

H Big Data Trends: 38 Top Experts on the Biggest Trends

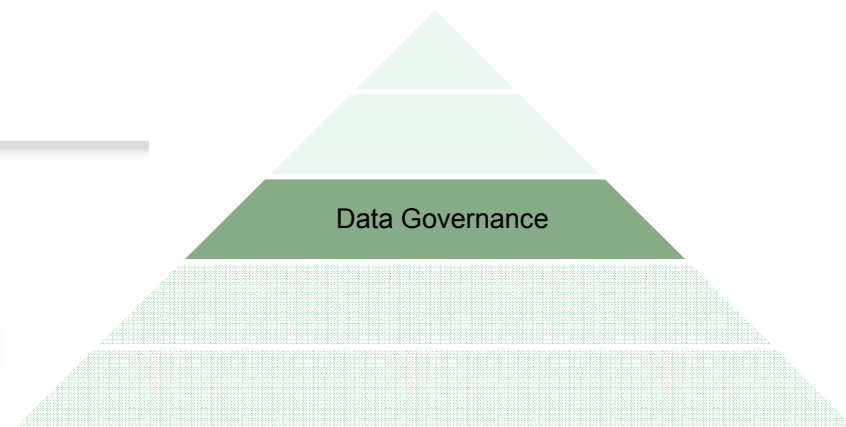
complex data questions today. “

Amjad Zaim, Ph.D



CEO, [Cognitro Analytics](#)

“With advancement in big data computing, machine learning and IOT, technology is no longer a hard problem in the game of analytics, governance is !!! To govern with data requires that you first govern the data, that is, bringing the right data products to the right people at the right time and within the right legal and ethical framework”



Data Quality

Data Sharing

Data Security

Data Privacy

Cultural Change Requires the Power of Indirect, Simplicity and Universality



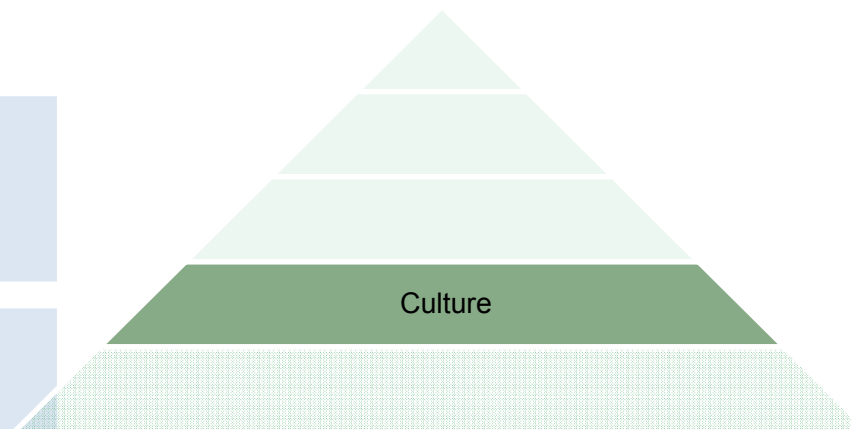
"If even if it is analytics, don't call it analytics"



"What is complex today, needs to be simple tomorrow"



"Single rules"
Single source of truth, single language, single process, single...



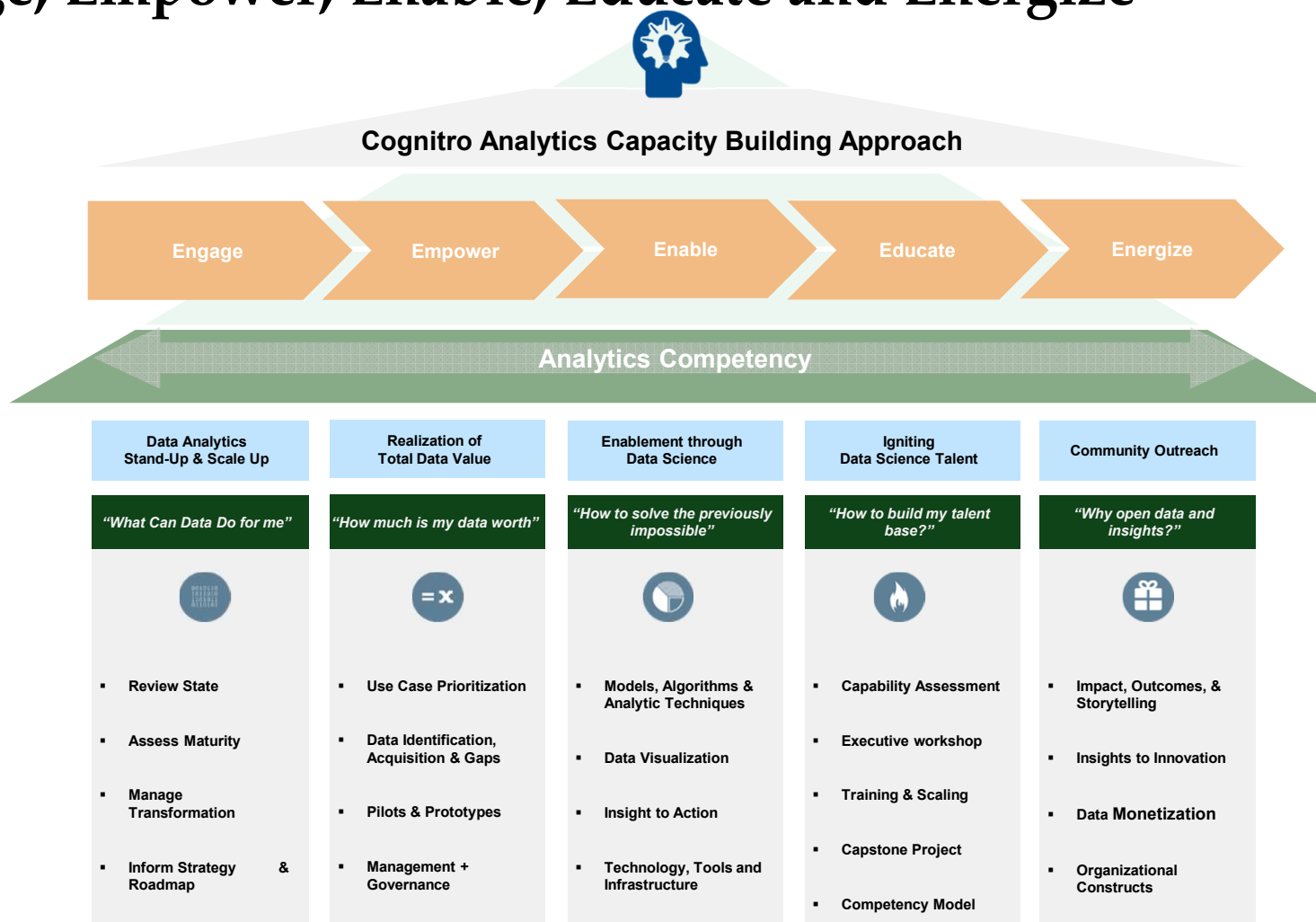
Return on Investment

Return on Data

Return on Insight

Return on Innovation

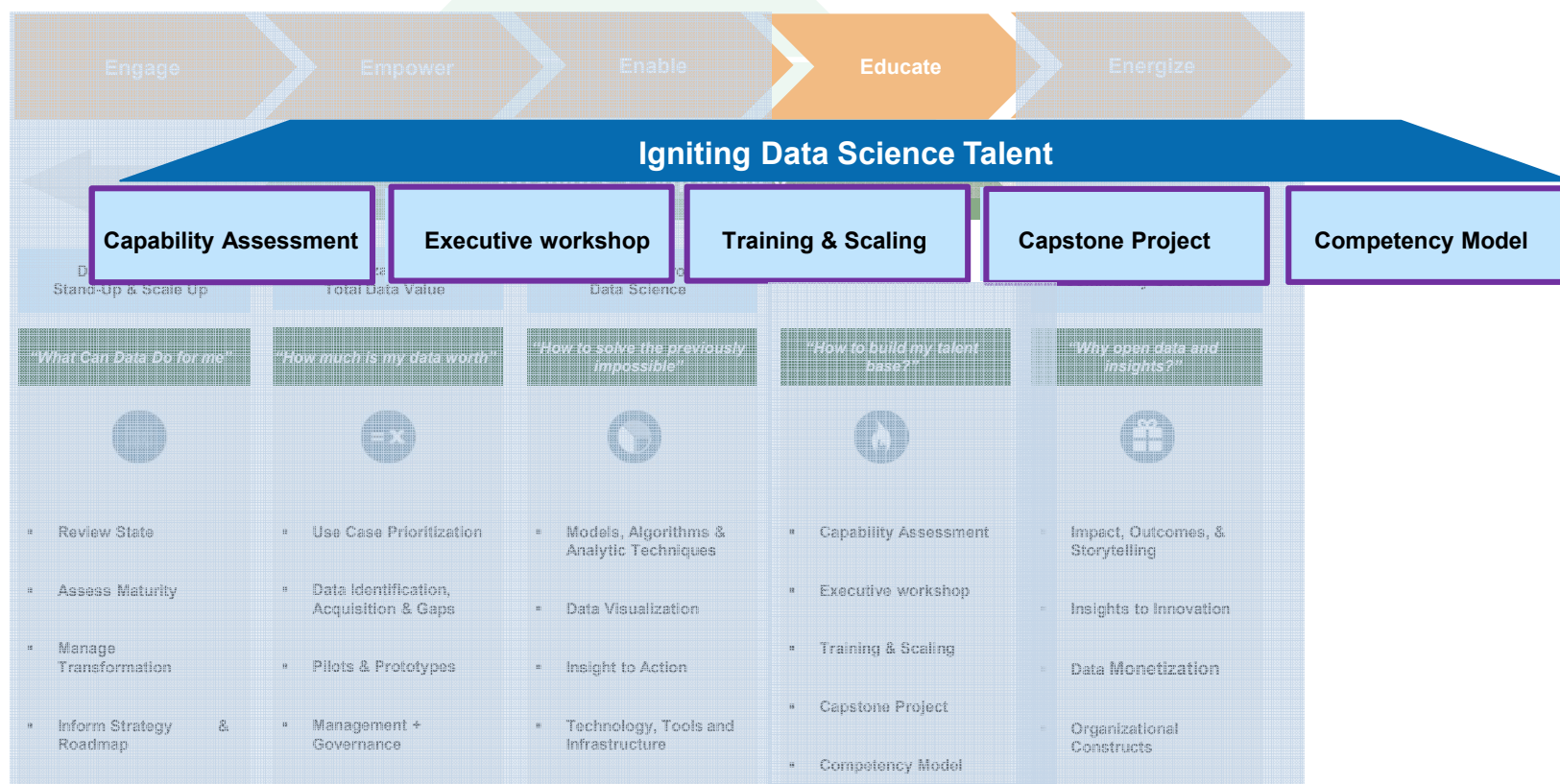
Cognitro analytics capacity building takes an incremental approach of “Engage, Empower, Enable, Educate and Energize”



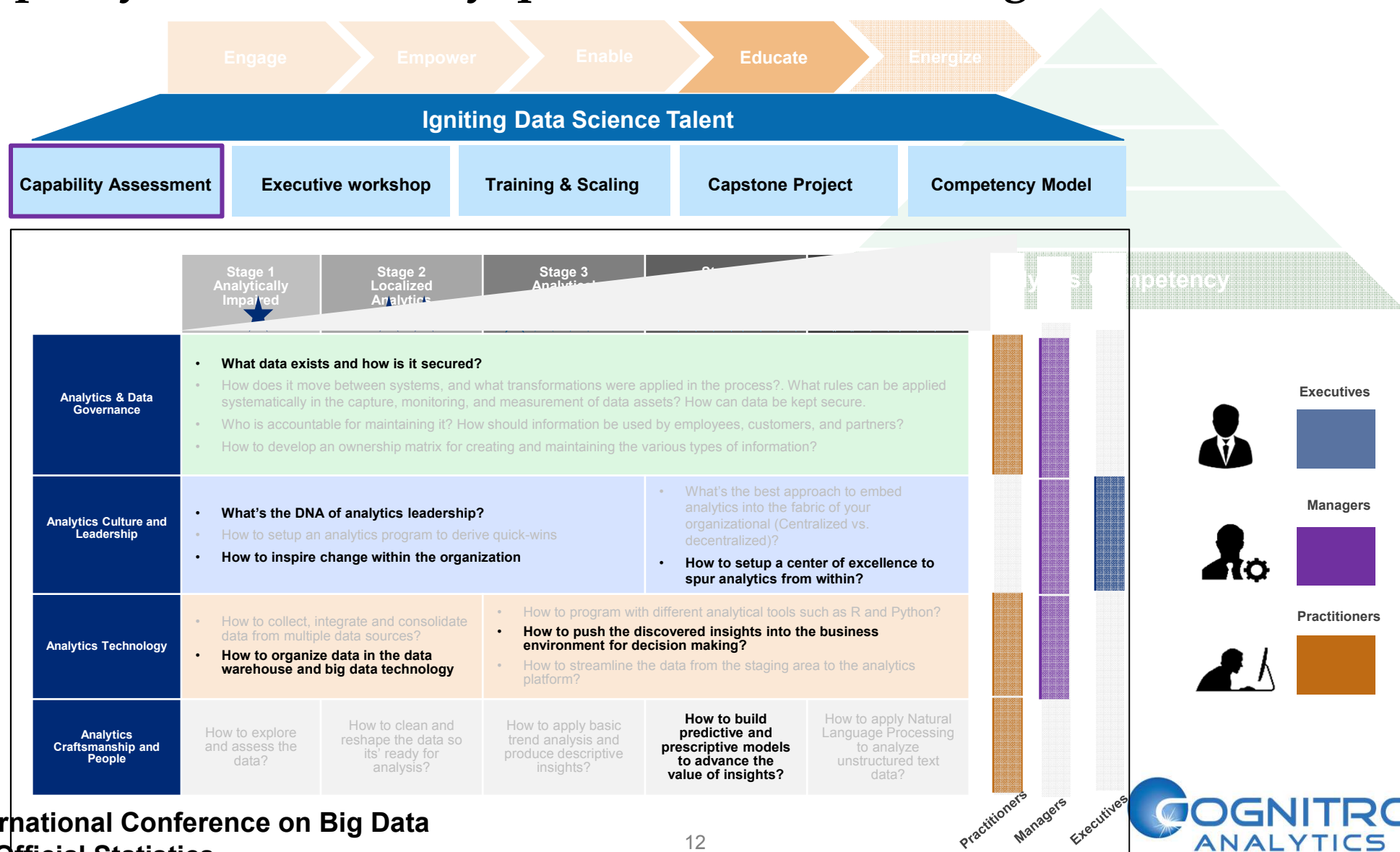
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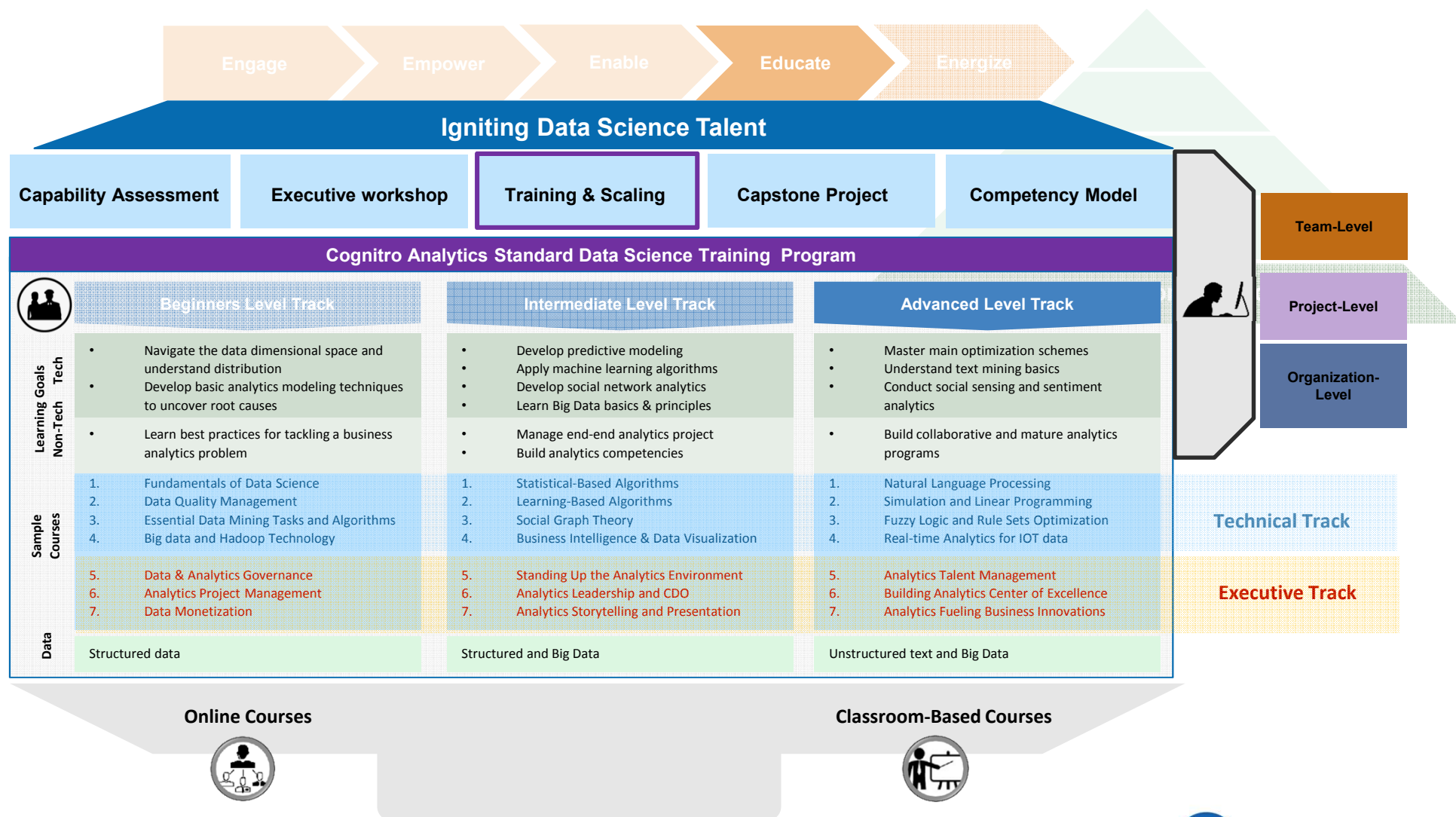
Cognitro Analytics Capacity Building Approach



Tailored analytics education program needs to examine current capacity and answer key questions across the target audience

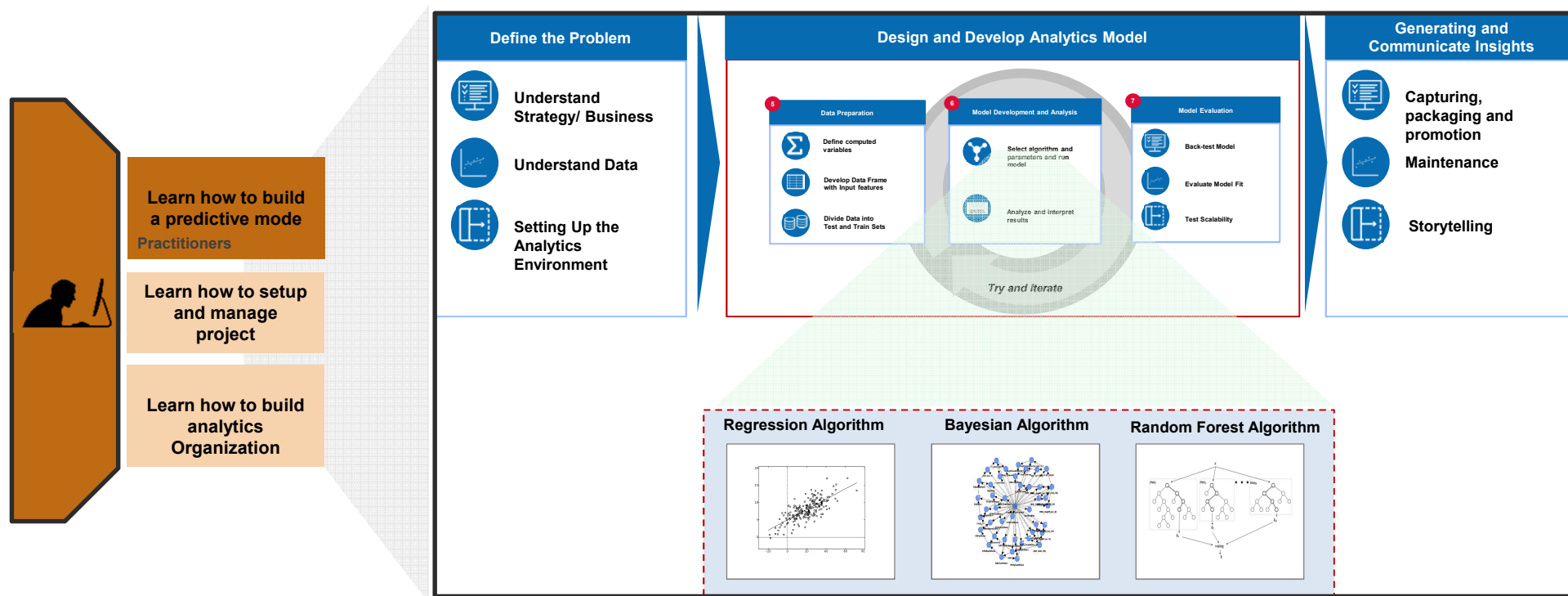


Analytics capacity building programs also need to combine both technical and non-technical courses and for various levels



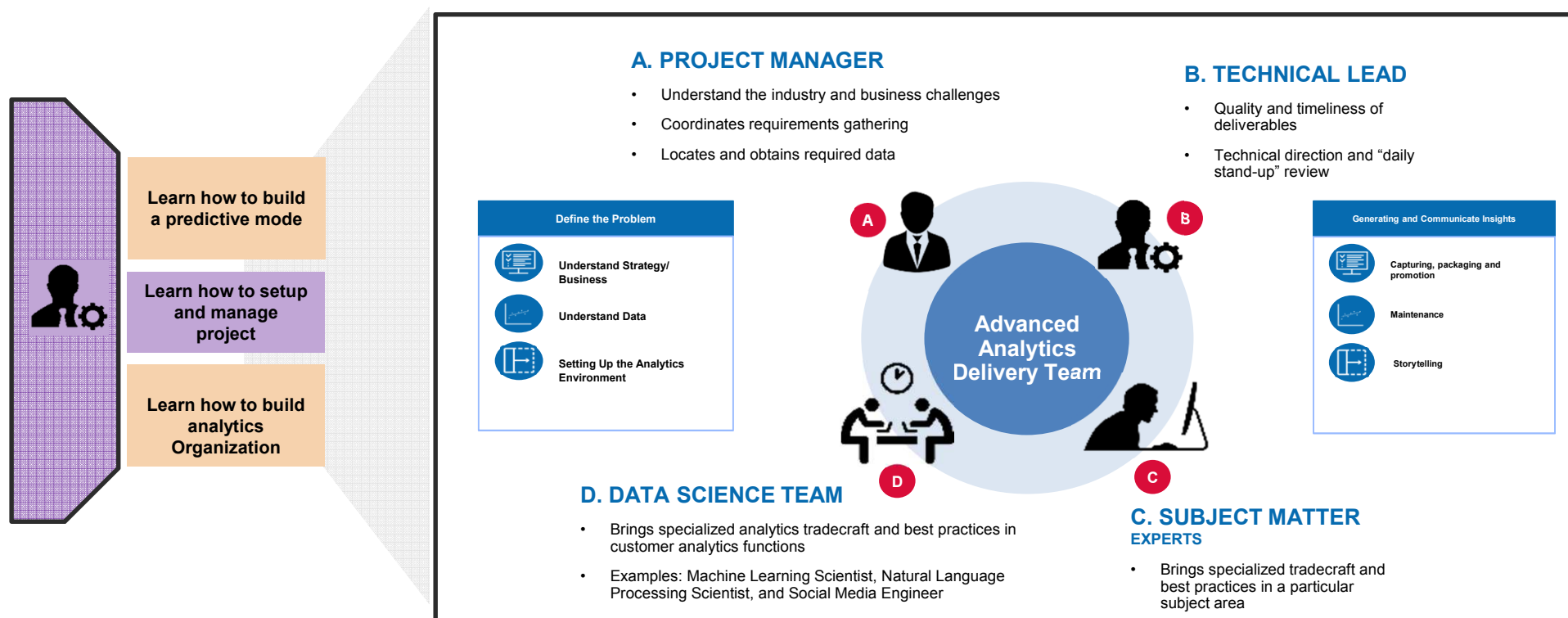
Starting with the science behind the analytics, or the core data science competency

Cognitro Analytics Capacity Building Framework



In addition to developing the management skills needed to drive a Big Data project

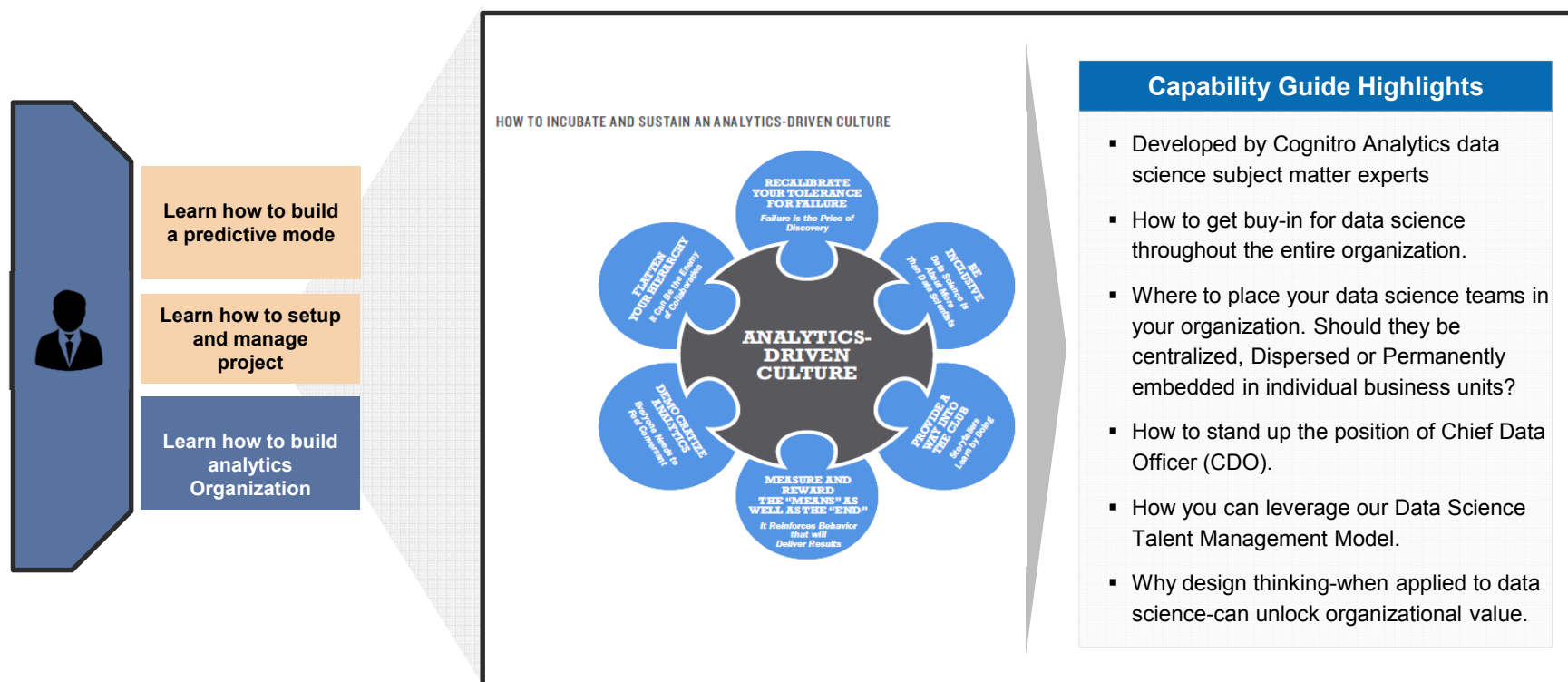
Cognitro Analytics Capacity Building Framework



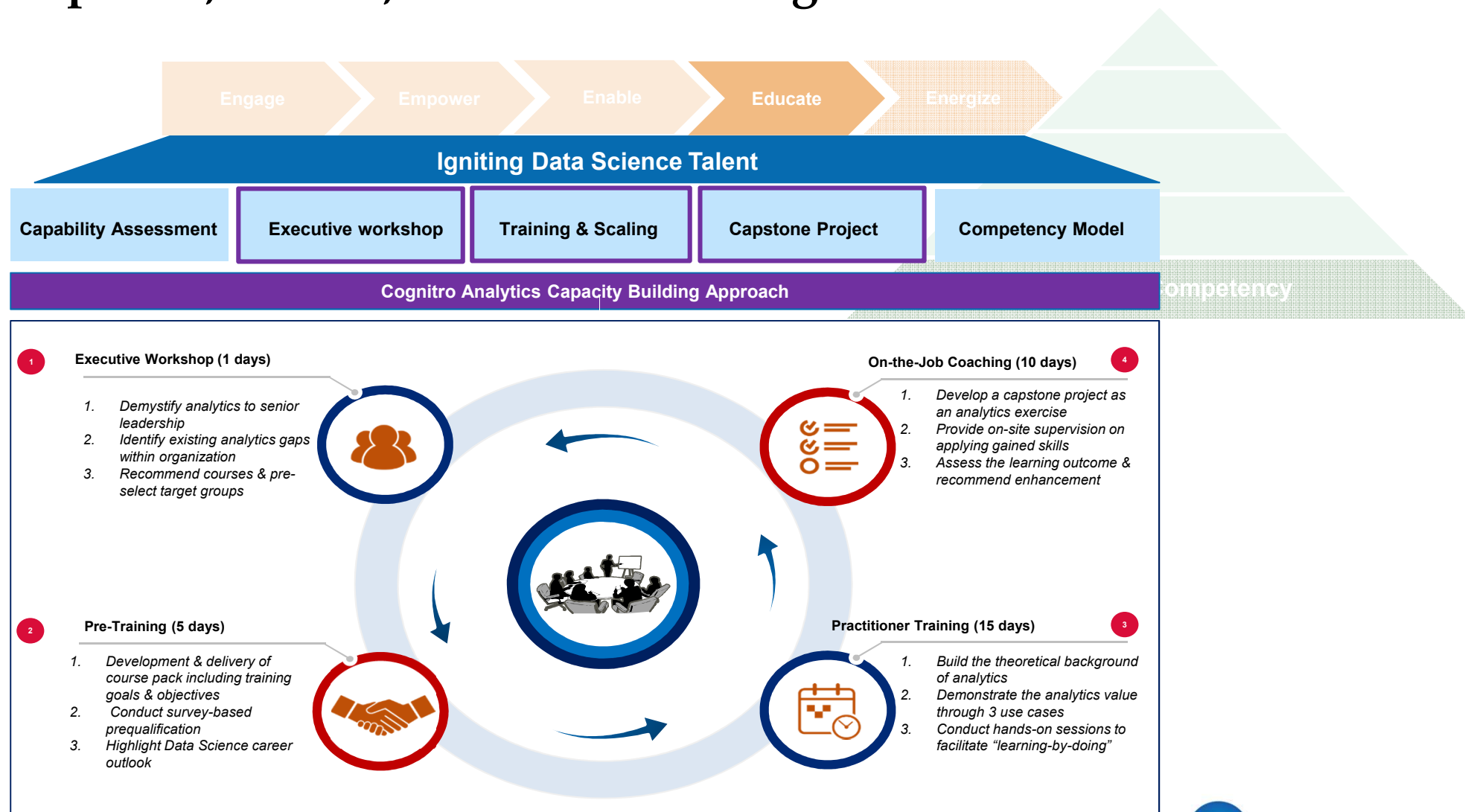
And ending with learning ways to nurture and grow an analytics culture with data-driven philosophy

Learning Outcome of Our Customized Program

NON-EXHAUSTIVE



Analytics capacity through an incremental approach of “Engage, Empower, Enable, Educate and Energize”



A Competency Model needs to close the loop from, executives level training to on-the-job coaching of data science practitioners

