



Technology Leadership Series Post 1 | Session 1 | Oct 25, 2025

DIKW & Analytics Leadership

Technology Leadership Series | ashishpshende

DIKW & Analytics Leadership

- cc
- Leadership value is created not by collecting data, but by converting it into decisions that matter.



Analytics in Most Firms

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- ~80% of analytics today is descriptive (KPI reporting)
- Dashboards, pivot tables, ad-hoc queries
- Insights pulled from ERP / CRM systems
- Staging layer appears as Data Warehouse or Data Mart



Diagnostic Analytics: The Real Test

- Answers 'why' — complexity increases
- Harder when failures are non-standard
- Harder when data is not analysis-ready
- Requires broader analytical skills
- Needs drill-down and roll-up data structures
- Trends & visualization improve interpretability



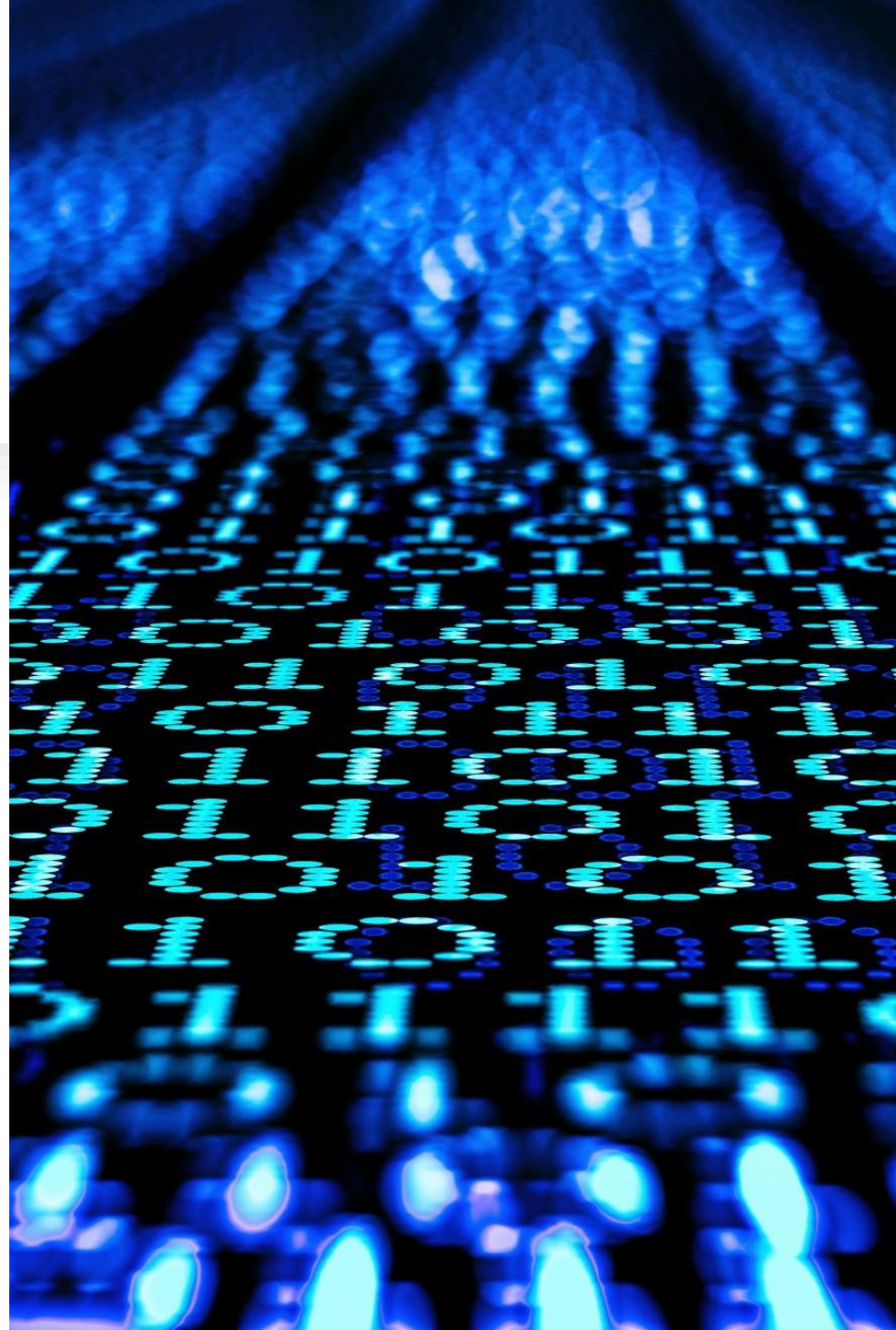
Business Intelligence vs Big Data

- Traditional BI anchored in staging layer
- Big Data defined by the 5Vs
- Volume, Velocity, Variety, Veracity, Value
- Most Big Data Analytics runs on Hadoop ecosystems
- Unstructured data lowers signal-to-noise (Veracity)
- Value measured by bottom-line impact
- CIOs estimate value per GB of stored data



Velocity & Variety at Scale

- Thousands of tweets per second
- Hundreds of hours of video
- Millions of emails
- Mixed formats: text, images, audio, JSON, XML



Leadership Questions



Where does a manager's role end and a programmer's role begin?



Will managers work with data or Big Data?



Will analytics outperform HiPPO-driven decisions?



Scale-out (horizontal) or Scale-up (vertical)?

Key Leadership Insight



ANALYTICS MATURITY IS A
LEADERSHIP CHALLENGE BEFORE IT
BECOMES A TECHNOLOGY ONE.



MORE REFLECTIONS FROM THE
TECHNICAL LEADERSHIP
PROGRAMME TO FOLLOW.



STAY CONNECTED.