



Improve your Data Strategy: Leveraging TIBCO Data Virtualization in Healthcare Organizations and Other Explorer Updates!

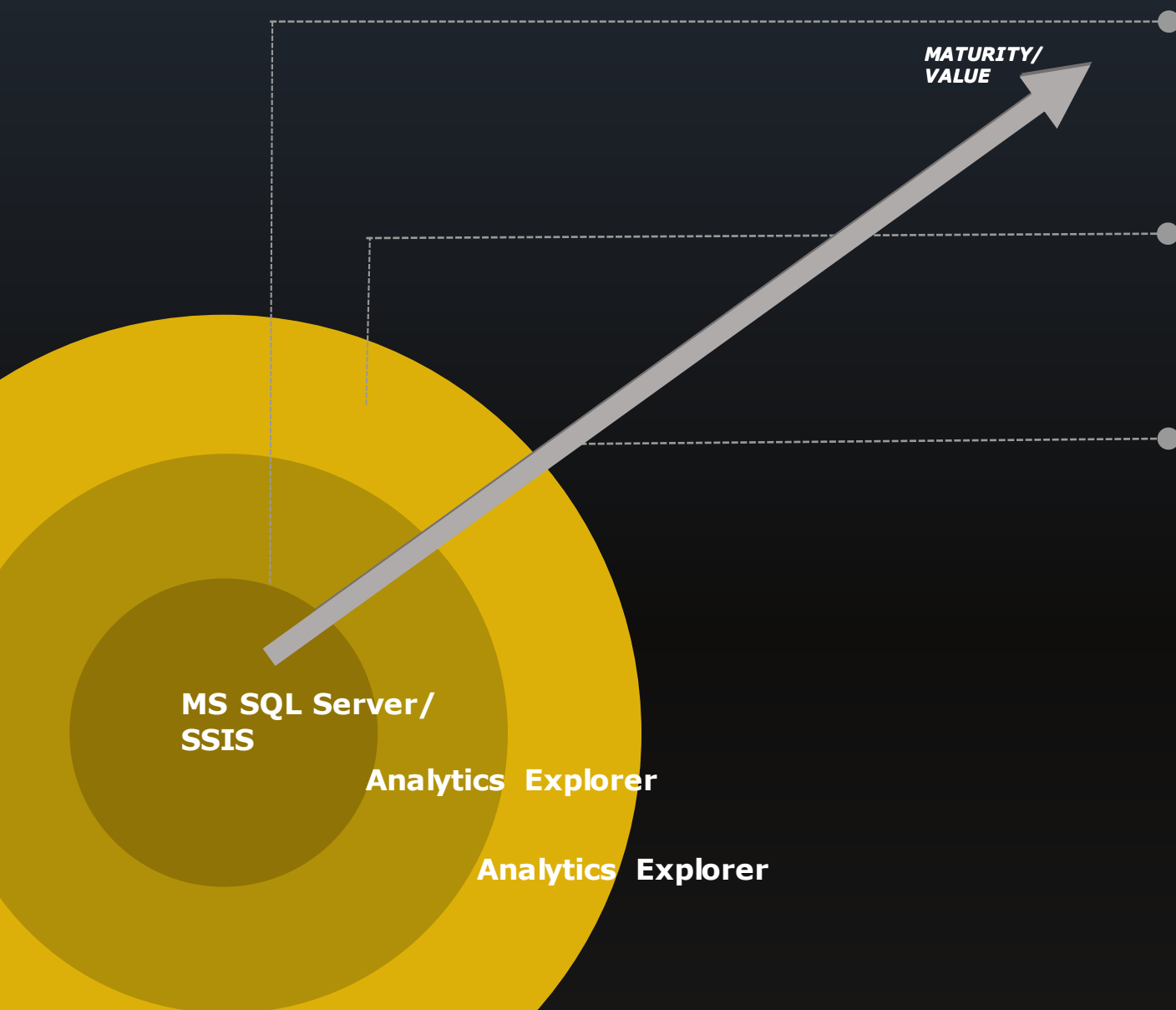
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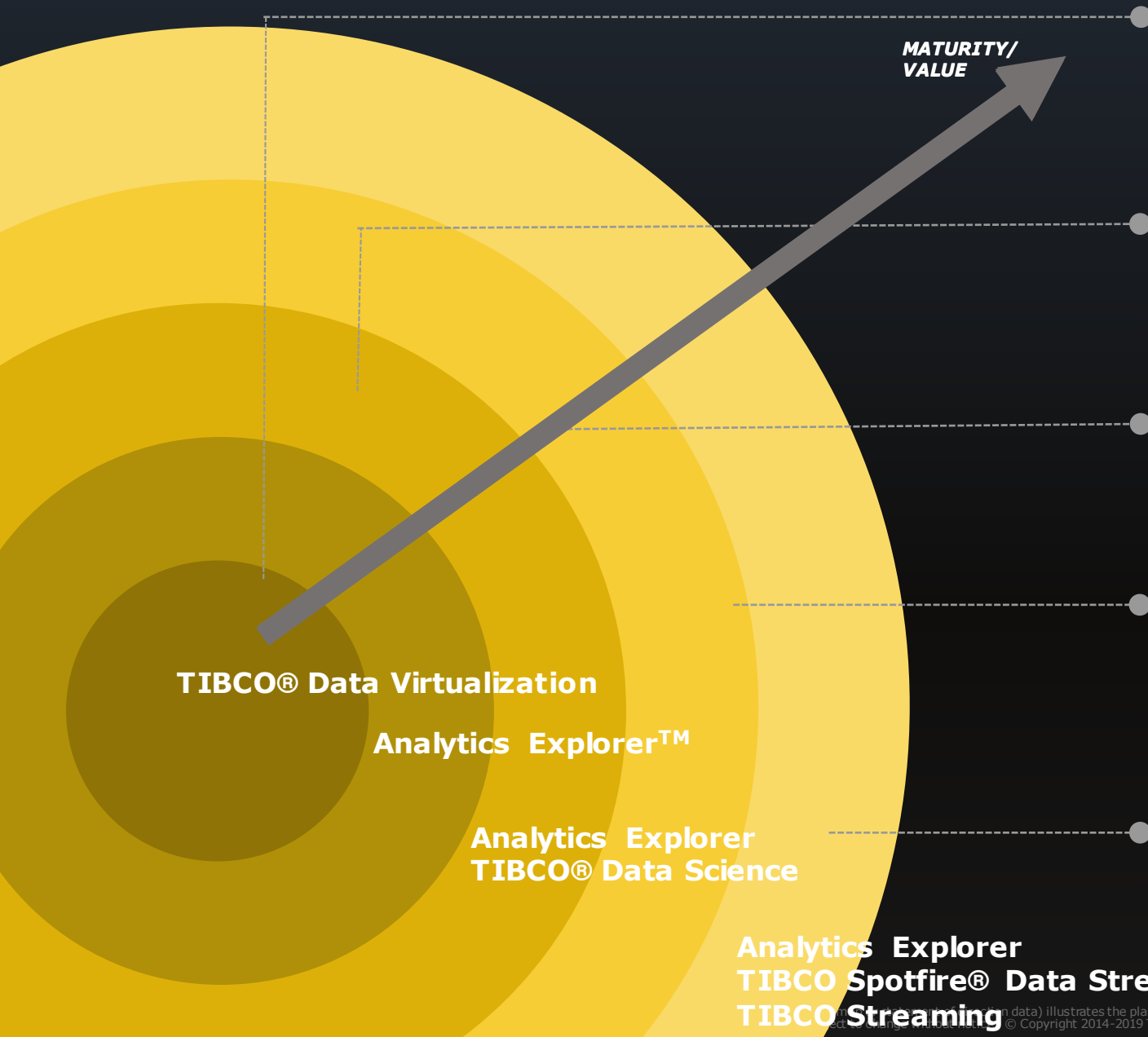
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Analytics Explorer™ – Current Stack



- 1** | Leveraging Existing Data Management
Existing investments focused around Performance Analytics and SQL Server/SSIS data assets were heavily leveraged for Analytics Explorer implementations to prepare available data for analytic use.
- 2** | Smart Visual Analytics
Gain speed to insight with AI-driven data wrangling; ad hoc discovery; smart recommendations and visualizations; geo-analytics; one-click predictive; and dashboarding and KPIs.
- 3** | Data Science/Machine Learning
Create features and predict key business targets with comprehensive palette of in-built data prep and modeling tools, templates, accelerators including OS R and Python.

Analytics Explorer™ - Taking The Next Step



- 1** | **Data Management for Analytics**
Abstract and federate data from disparate sources and silos to provide consistent, enterprise views and enrich insights as well as master and reference data management.
- 2** | **Smart Visual Analytics**
Gain speed to insight with AI-driven data wrangling; ad hoc discovery; smart recommendations and visualizations; geo-analytics; one-click predictive; and dashboarding and KPIs.
- 3** | **Data Science/Machine Learning**
Create features and predict key business targets with comprehensive palette of in-built data prep and modeling tools, templates, accelerators including OS R and Python.
- 4** | **Operational Models and Systems**
Deploy models and engines to on-premises and cloud production systems for real-time and batch execution; support decisions and/or automate actions to optimize outcomes and impact timely decision making.
- 5** | **Real-Time Streaming**
Automate data prep, actions and alerts on event-streams, to gain continuous awareness; enable human interaction with live data for better decisions; take real-time, informed action.

**Analytics Explorer
TIBCO Spotfire® Data Streams
TIBCO Streaming**

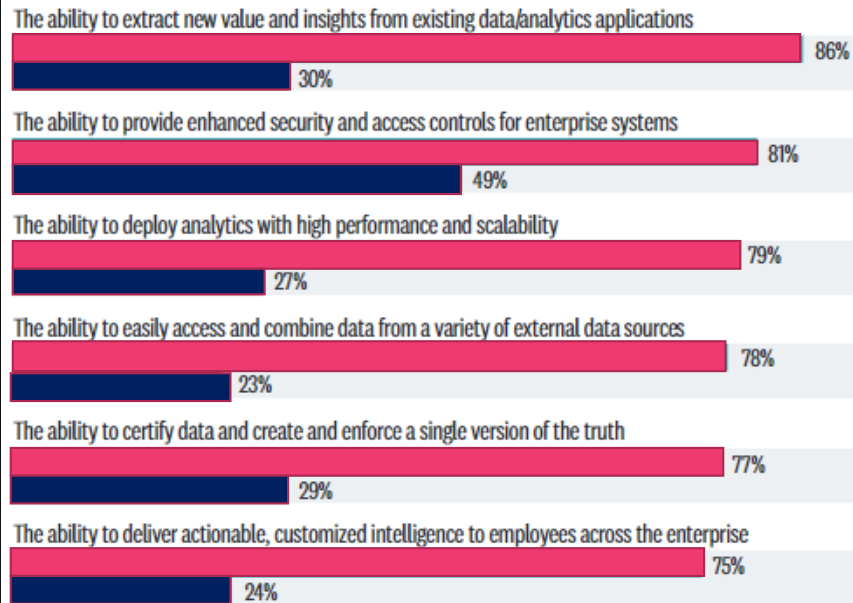
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Healthcare Data Challenges

KEY CAPABILITIES OF THE DATA-DRIVEN ENTERPRISE

Percentage of respondents who say the following capabilities are very important for the data-driven enterprise versus the percentage who say their organization is very effective in these areas

VERY IMPORTANT VERY EFFECTIVE



Source: Harvard Business Review Analytic Services Survey, August 2018

30%¹

Say their most pressing information technology problem is difficulty turning data into actionable information

30%¹

Say they do not have enough staff members with adequate expertise in data analytics

56%²

Report incomplete or nonexistent enterprise-wide governance processes

50-59%³

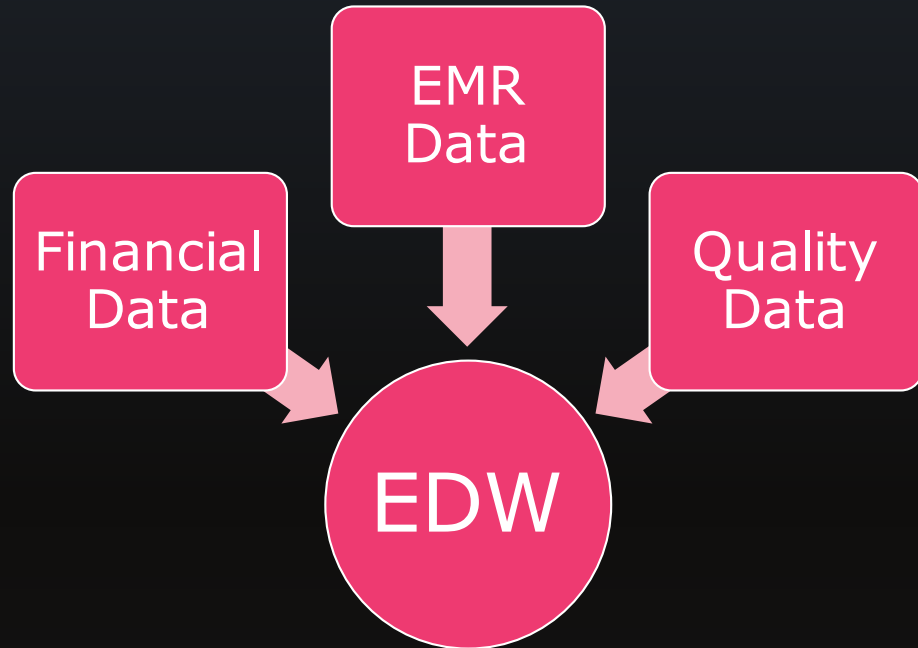
Lack access to clean, consistent, and trusted data

¹ Source: Managed Healthcare Executive's 2018 Tech Survey, December 2017

² Source: Dimensional Insight CIO & CMIO Data Governance Survey, August 2017

³ Source: 2019 CFO Outlook: Performance Management Trends and Priorities in Healthcare, May 2019

Common Solution – Enterprise Data Warehouse

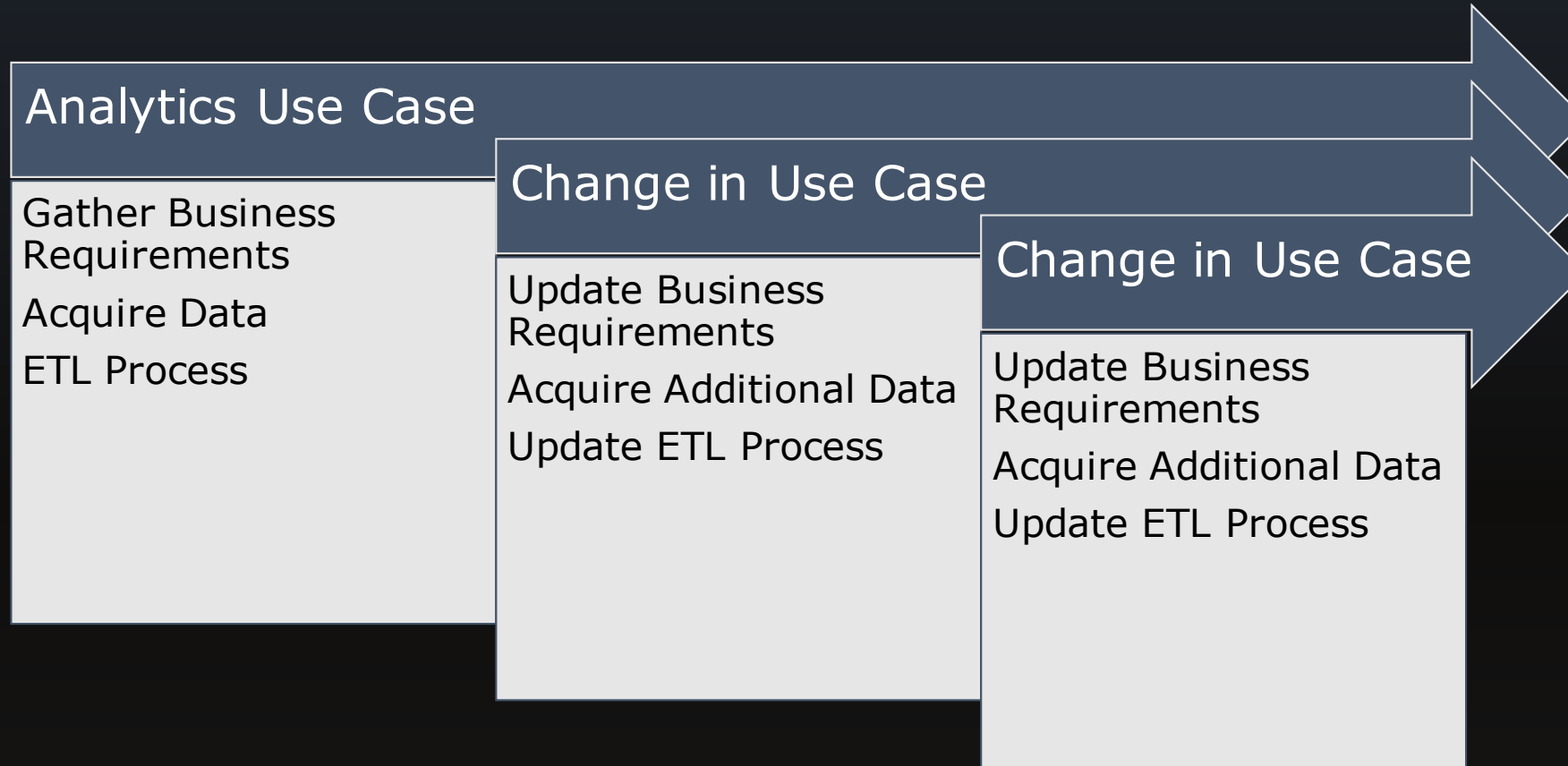


Common Challenges

- Difficulty accessing consistent, reliable, integrated data
- Labor and cost-intensive implementations with long turnaround times
- Difficulty engaging physicians and staff

Source: Becker's Healthcare. (2015, September 11). Rethinking enterprise data warehouse strategy — what executives need to know. Retrieved from <https://www.beckershospitalreview.com/healthcare-information-technology/rethinking-enterprise-data-warehouse-strategy-what-executives-need-to-know.html>

Rapidly Evolving Healthcare Environment



TIBCO Data Virtualization Can Help



Self-Service BI



Data Science



360° View

TIBCO Data Virtualization

Abstract

Federate

Cache



Packaged Apps



Excel & Flat Files



Data Lakes



XML Docs



Web Services



Master & Reference Data



RDBMS



Data Warehouse



Big Data

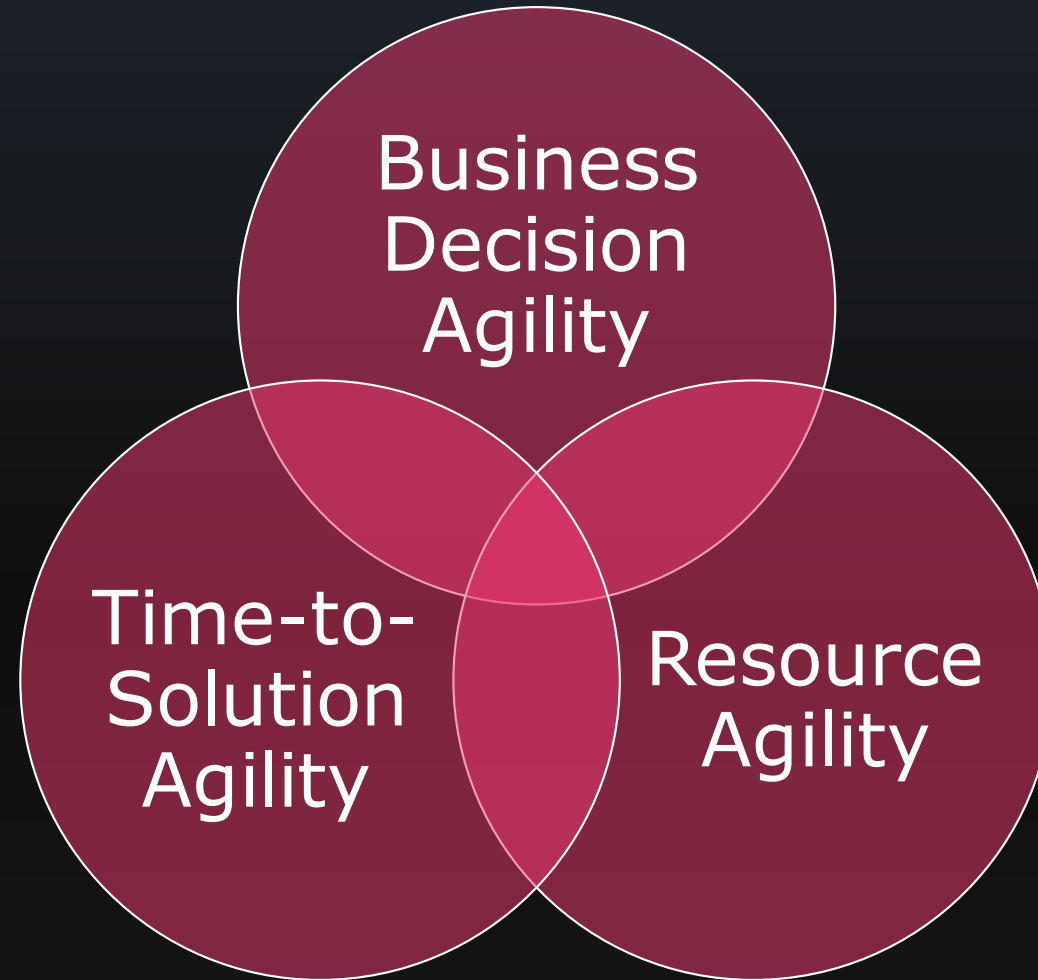


Cloud Data

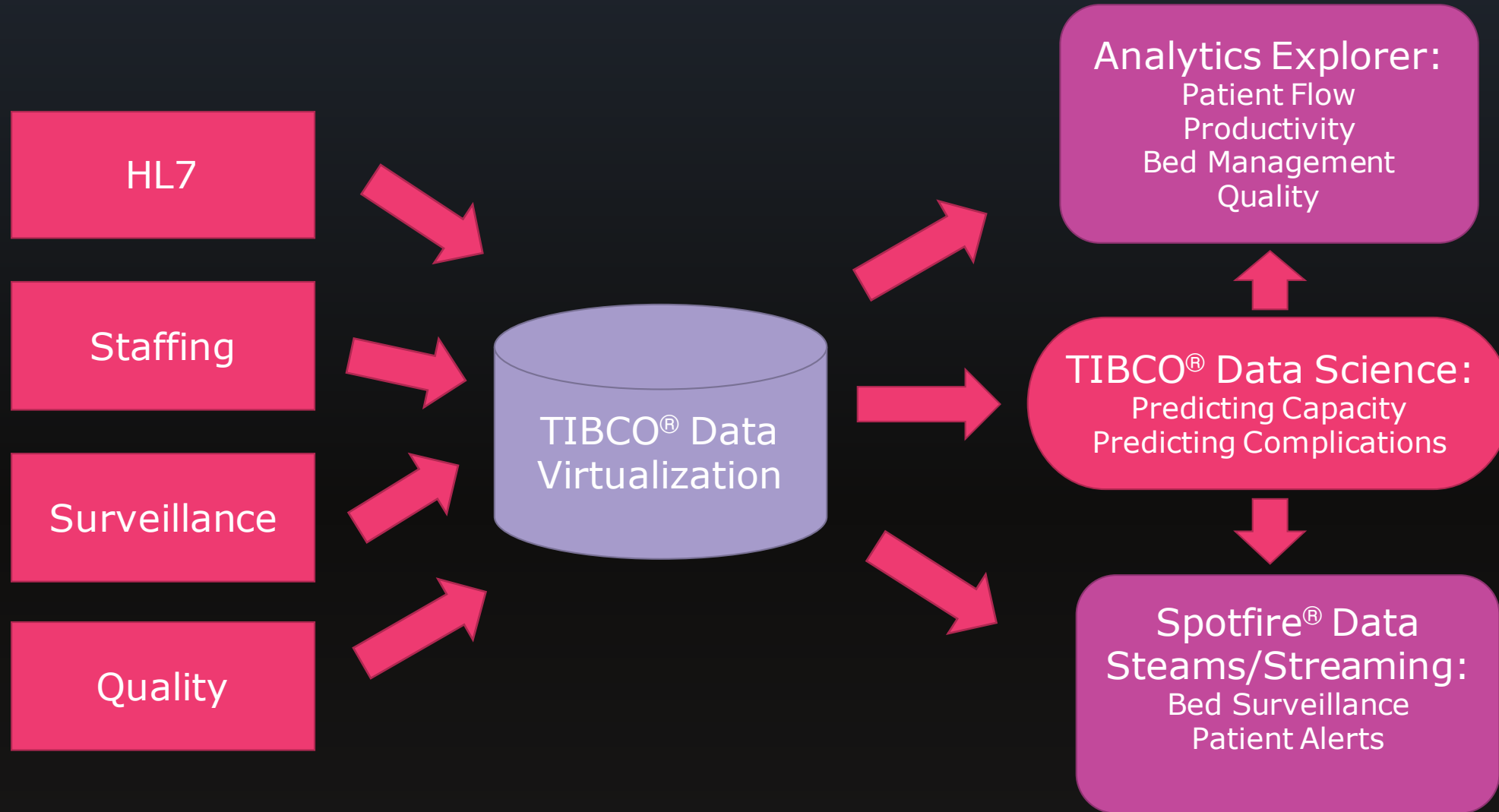


IoT Data

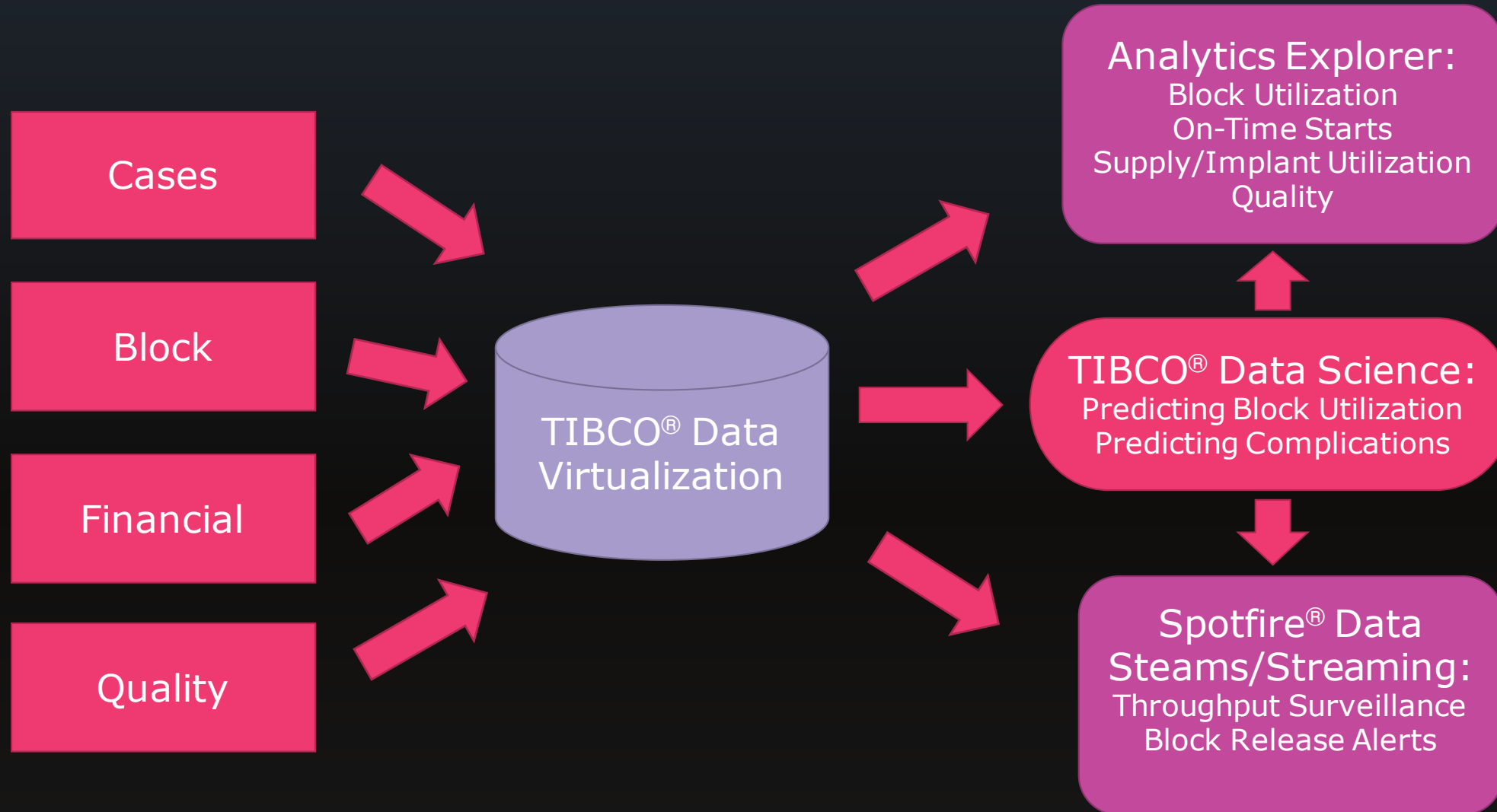
Rapid Time to Value – Just Like Analytics Explorer

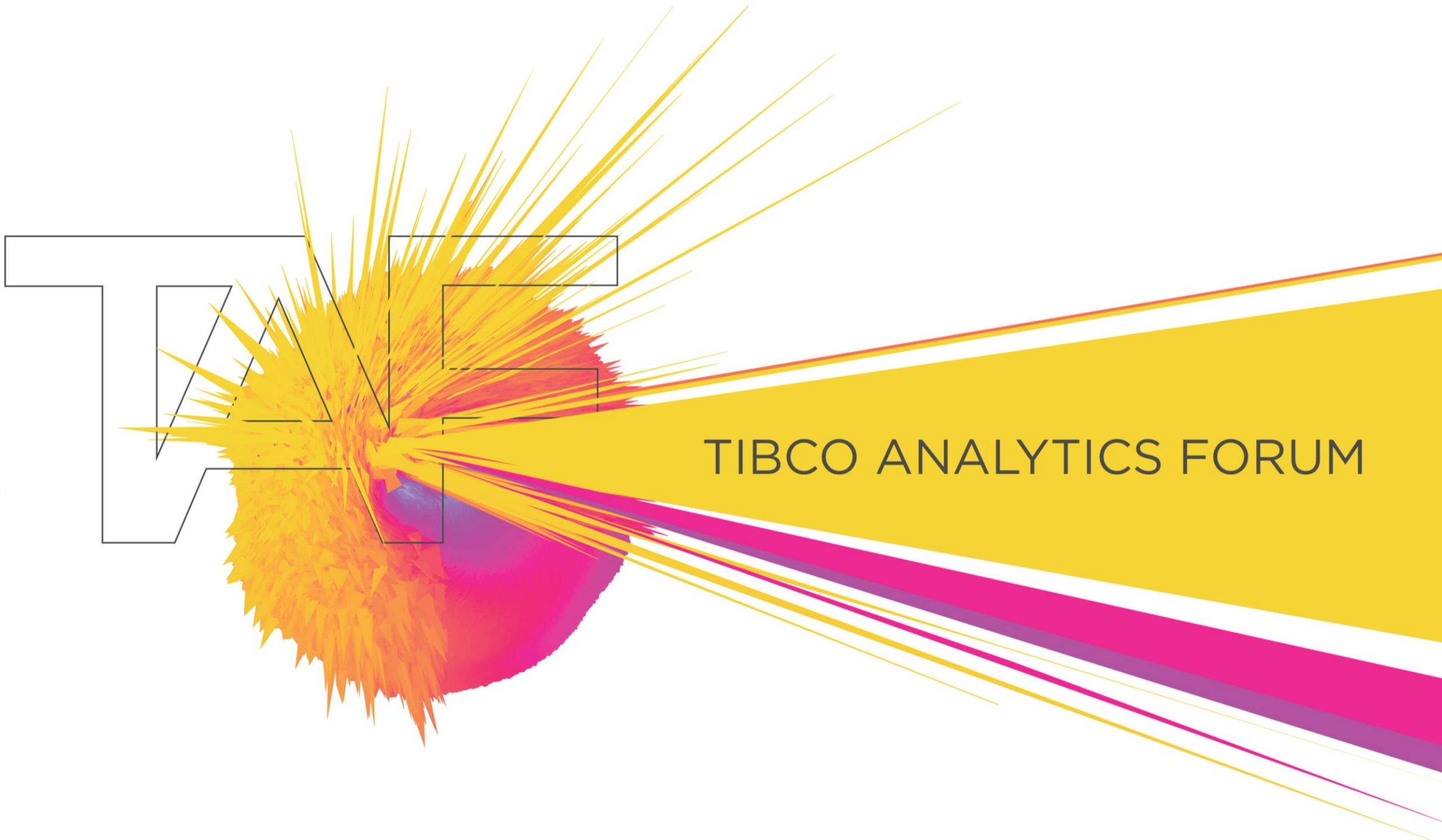


Putting it all Together – Capacity Management



Putting it all Together – OR Management





TIBCO ANALYTICS FORUM