ASK ME (ALMOST) ANYTHING! DATA MANAGEMENT AND QUALITY FOR NON-DATA-MANAGEMENT PROFESSIONALS

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Msight Analytics October 20, 2021

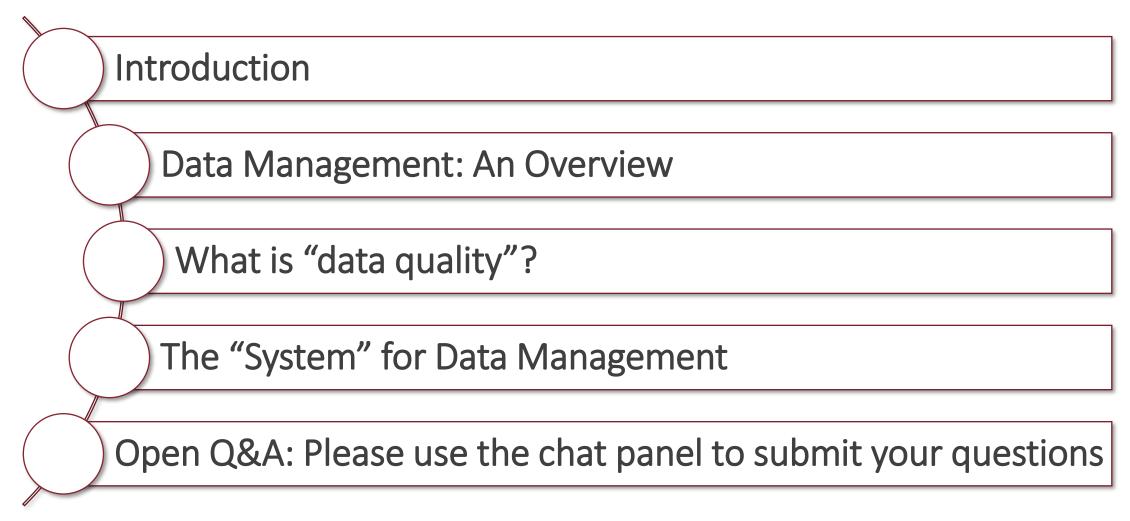






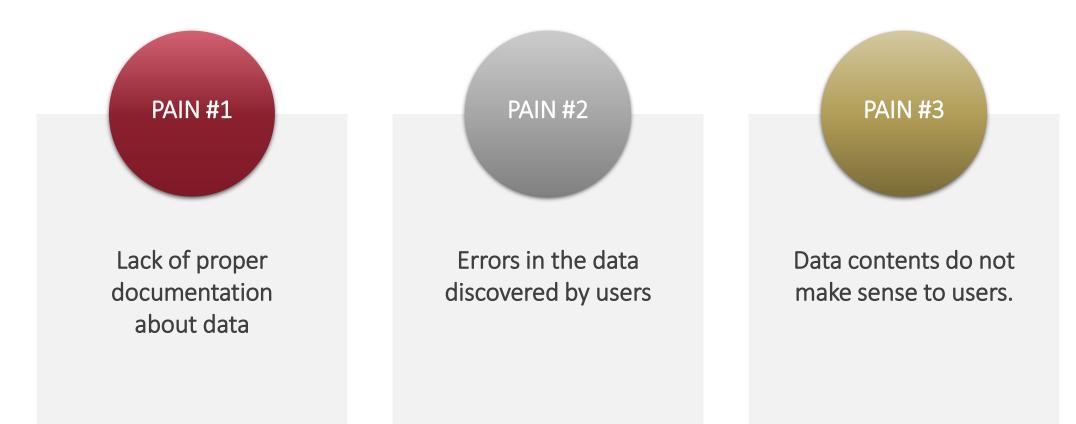


AGENDA





DATA MANAGEMENT PAIN POINTS





THE WORLD OF DATA MANAGEMENT



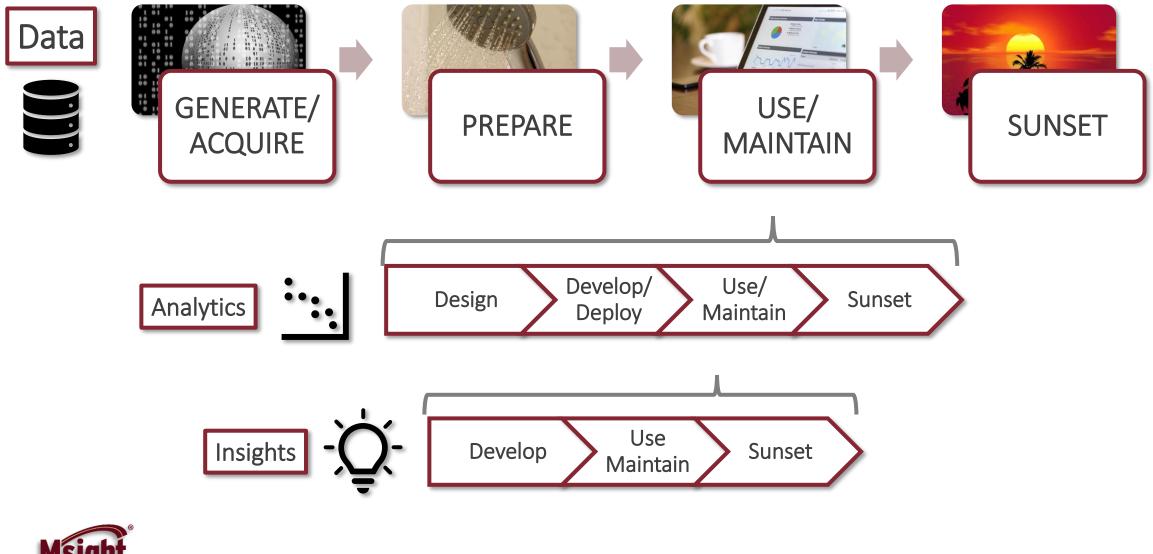
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Data Management: "The development, execution, and supervision of plans, policies, programs, and practices that deliver, control, protect, and enhance the value of data and information assets throughout their lifecycles."

(DAMA-DMBOK 2nd ed.)

STAGES OF THE INFORMATION LIFECYCLE



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Consulting

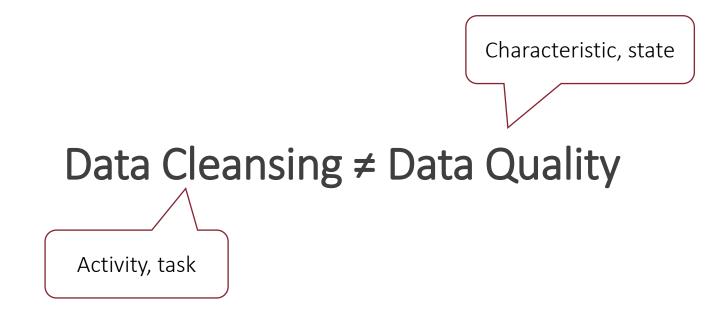
WHAT DO WE MEAN BY "QUALITY"?

"In technical usage, 'quality' can have two meanings:

- 1. the characteristics of a product or service that bear on its ability to **satisfy stated or implied needs**;
- 2. a product or service free of deficiencies."

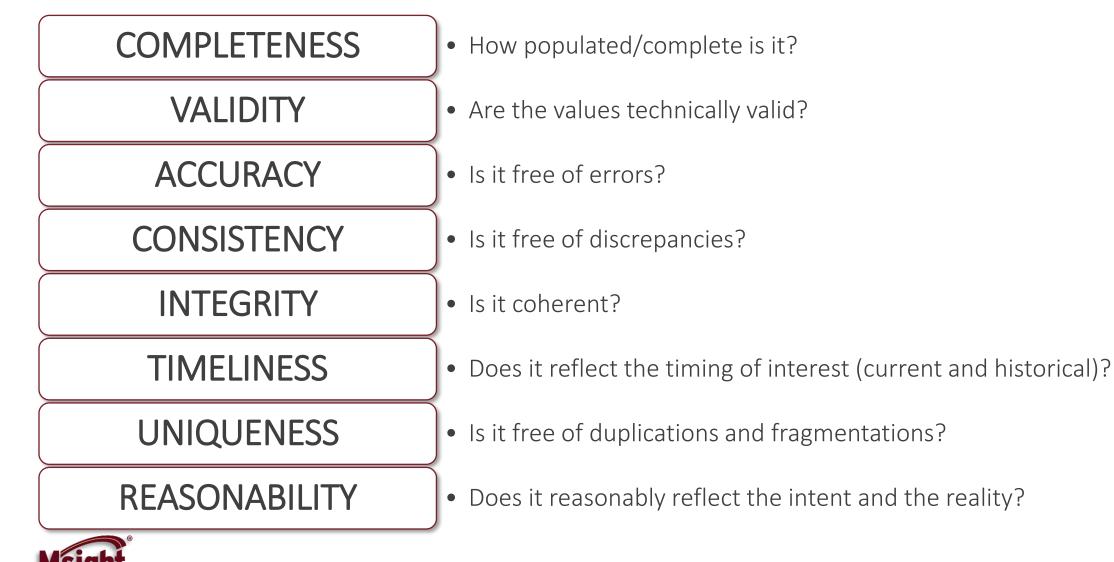
*Source: American Society for Quality, https://asq.org/quality-resources/quality-glossary/q

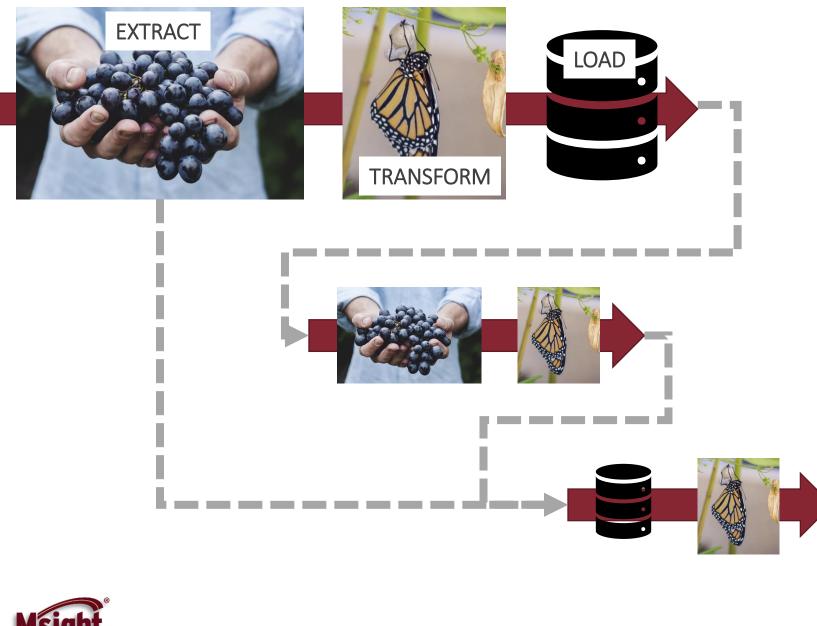






DIMENSIONS OF DATA QUALITY





Each one of these steps presents multiple opportunities for data defects.

ANALYZE!!

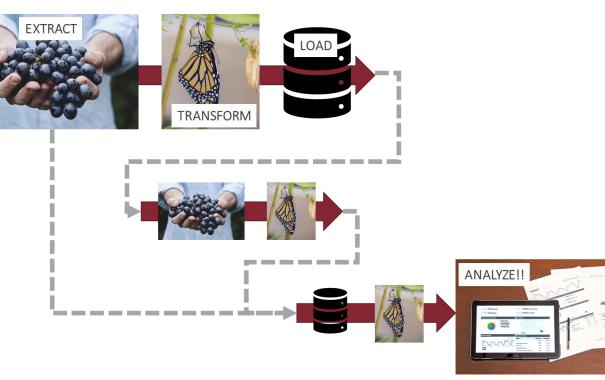
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Technology-led data quality: custody-centric (logic over content)

- Can address each dimension only partially.
- Reasonability is rarely addressed.

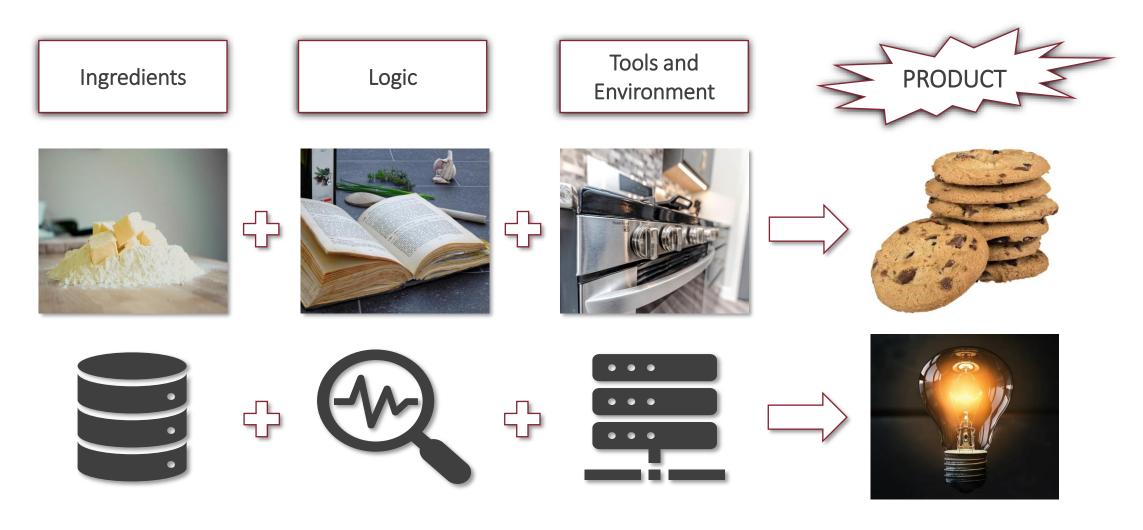


User-led (including analytics-led) data quality: reactive and incomplete

- Can address quality only when it gets to them.
- Data quality is a means to an end, not the end itself.



EACH FUNCTION BRINGS DIFFERENT VALUES TO THE CONSUMER.



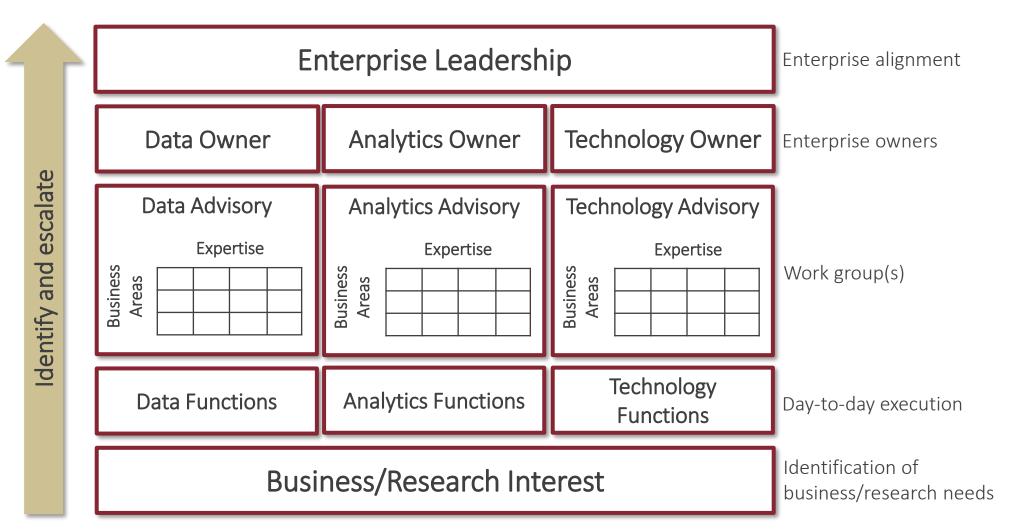


FRAMEWORK FOR FUNCTIONAL STRUCTURE

Decide

and

communicate





WHAT SHOULD YOU DO?



- Advocate for establishing a proper data function.
- Continue to be diligent about the data you do see.
 - Technology: Learn as much as you can about the data content and how that relates to reality from the users' perspective.
 - Analytics: Learn about data quality methodologies to help identify problems, albeit reactively.
 - >At the minimum: Perform a data audit for every project data you receive, as soon as you receive it.



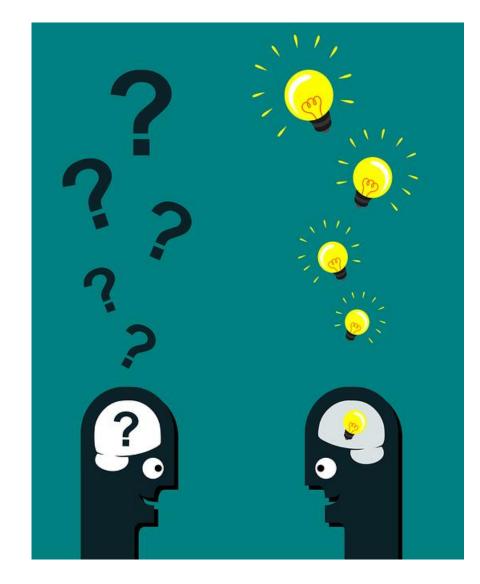


Live Workshop: Data Quality Methodology for Analytics Practitioners

Wednesday, November 4, 2021 3:00 - 5:00pm US EDT / 19:00 - 21:00 UTC Virtual via Zoom USD \$25 per person

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