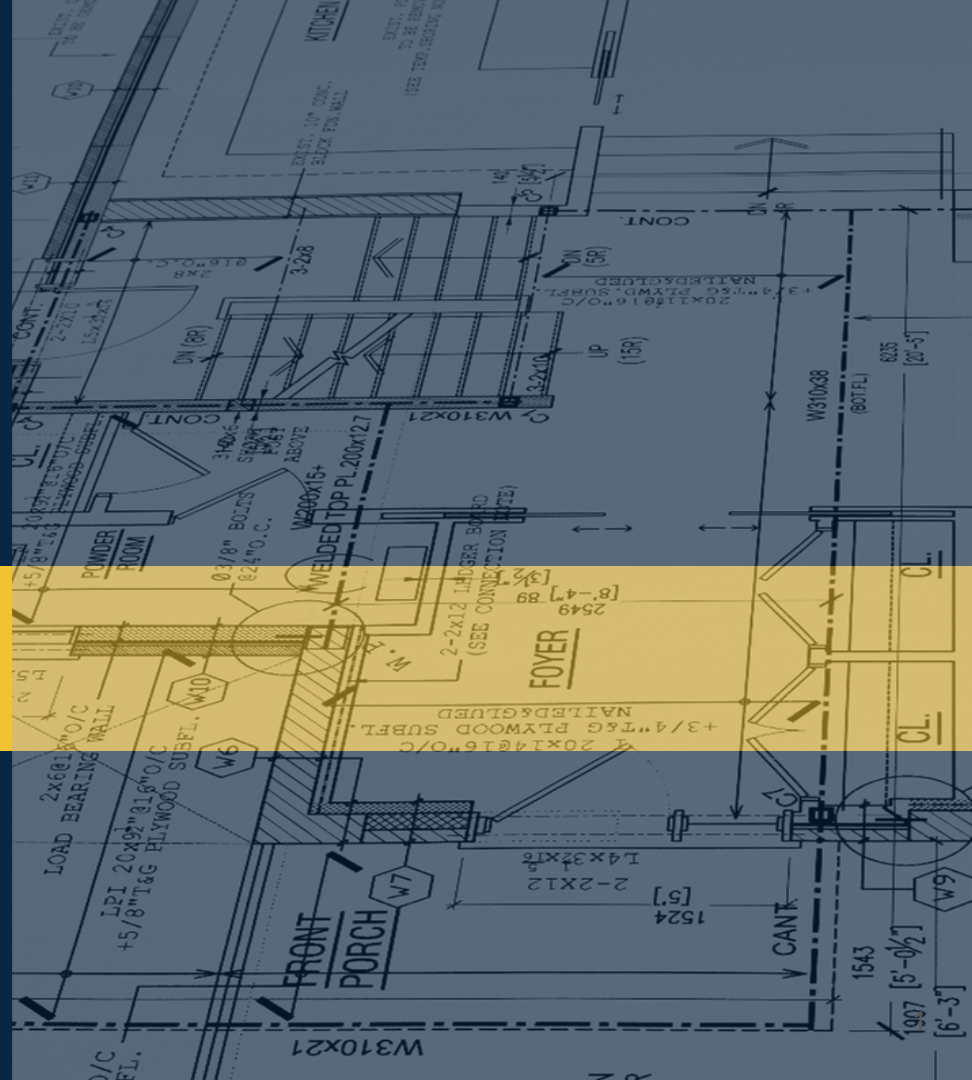


Garbage In, Garbage Out: Data Governance + AI

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Introductions



Darren Ash
Executive Advisor
MSI



Ashleigh Sanders
Former Acting Director, Office
of Analytics, Performance &
Improvement, GSA

Garbage In Garbage Out

Quality AI model outputs require quality input data

- AI models are trained on the data we give them
- Low quality data inputs will undermine confidence in AI model outputs
- The government financial community understands the importance of clean, auditable data

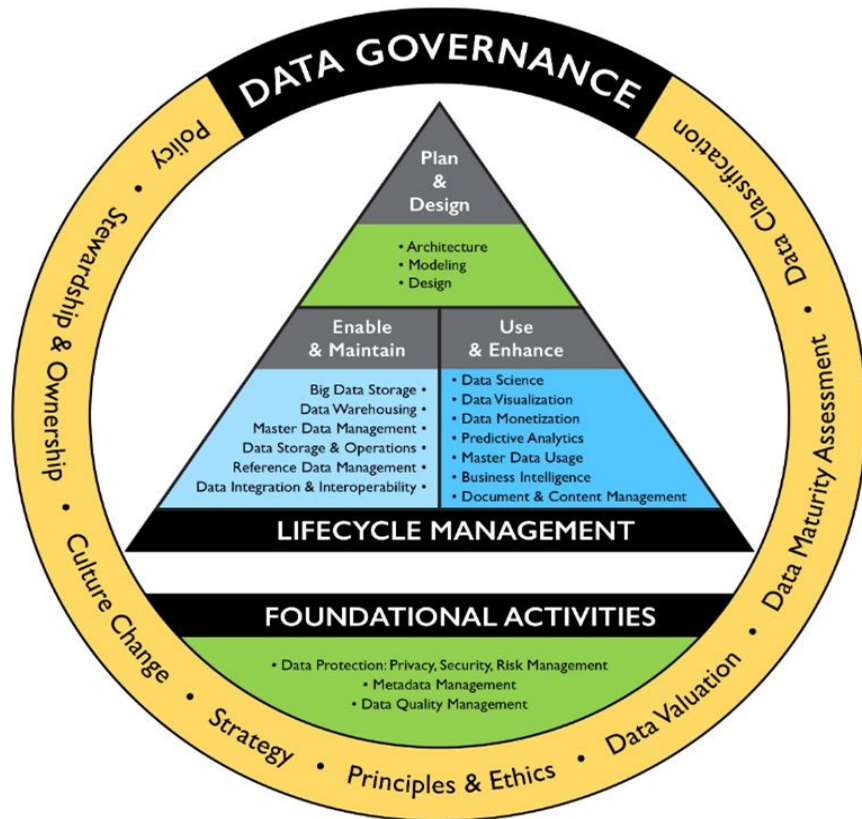


Polling Question

How mature is data management in your organization?

1. No clue!
2. Data is managed at a local/programmatic level – each shop does it their own way!
3. Data governance is defined at the enterprise level – we have enterprise policies and a data governance board
4. Data management is actually implemented consistently across the organization – we have turned policy into practice!
5. Our data is ready and optimized for enterprise AI adoption

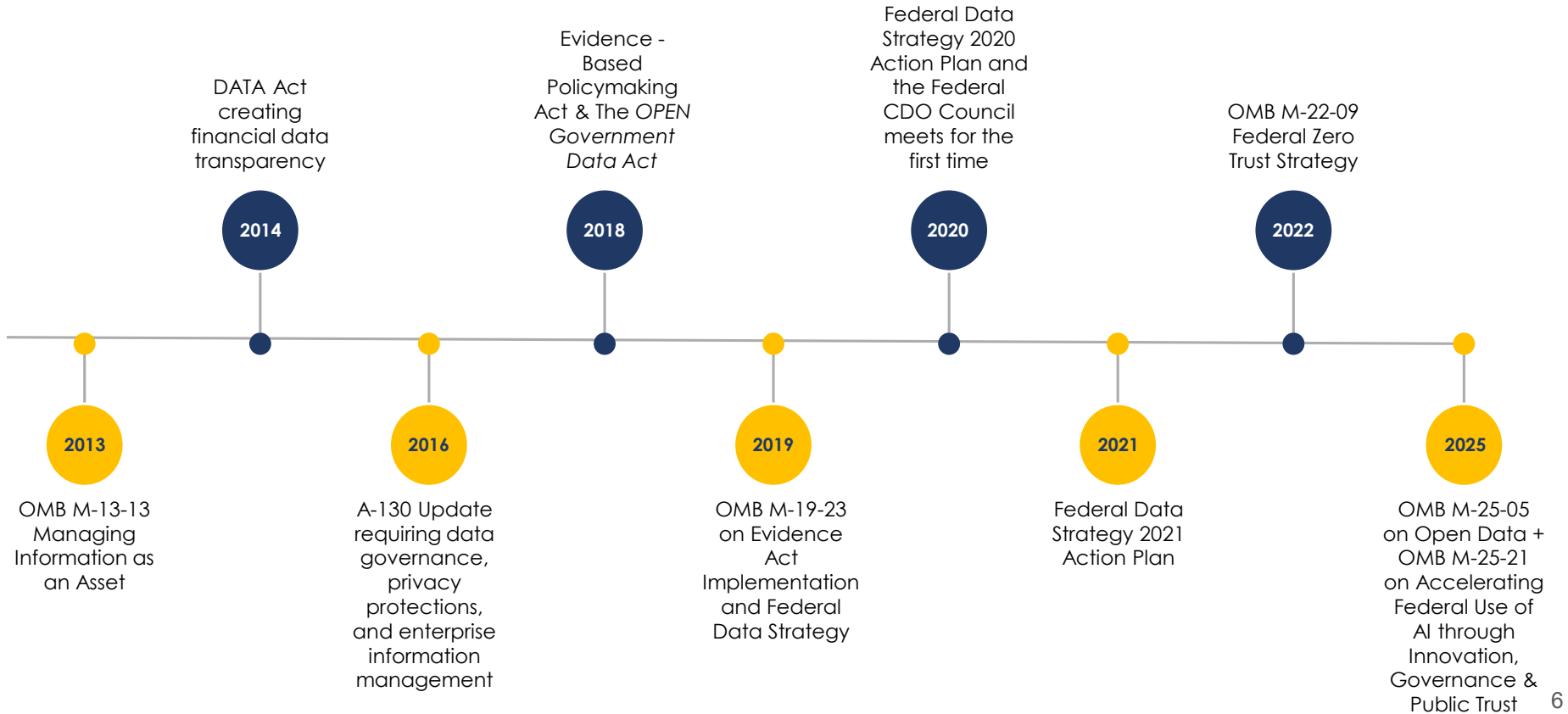
Managing Data



Data Management is a Team Sport

- Data management is a cross-functional process requiring governance
- Chief Data Officers set enterprise data strategy & policy
- IT shops ensure the availability, security & maintenance of systems
- Program offices collect & steward data sets – this includes OCFOs!
- Privacy, FOIA, Records Management & Legal apply laws for data collection, access & retention

Federal Data Mandates



AI + Data Governance

Organizations with strong Data Governance foundations are better able to govern and deploy AI

In [Accelerating Federal Use of AI through Innovation, Governance and Public Trust](#) OMB calls on agencies to:

- 1 “...accelerate and scale AI adoption by appropriately resourcing areas such as data governance”
- 2 “...save taxpayer dollars by actively engaging in quality data governance and management and the reuse of data and AI assets”
- 3 “...develop adequate infrastructure and capacity to sufficiently share, curate, and govern agency data for use in training, testing, and operating AI”

AI adoption in financial services creates both opportunities and novel risks, with data governance as a key risk management control

See [The Financial Services AI Risk Management Framework](#)

What is Data Quality?



The value of data to its consumers, and a measure of risk



Ensures models are trained on useful data; increases trust in model outputs

DIMENSION	QUANTIFICATION	VALUE
Timeliness	Refreshed in accordance with documented update frequency	Ensures data is current and reliable for reporting, policy decisions, and AI use cases; reduces risk of outdated analysis
Completeness	Required fields populated	Identifies missing critical information; improves reporting integrity and analytic reliability
Uniqueness/ Deduplication	Non-duplicate records	Prevents double-counting, financial inaccuracies, and distorted program metrics
Consistency	Alignment with authoritative systems of record	Improves enterprise-wide reporting strength and reliability
Validity / Accuracy	Error rate based on validation rules	Ensures data values are logical, standardized, and fit for operational and AI use

What are Data Catalogs?



Authoritative sources for what data an organization has and how it should be used, shared and protected

Answers Questions Like:



- ? What data exists, where it came from, and where it lives
- ? What data means and how it can be used
- ? Who owns the data, how current it is, and how reliable

Benefits:



- ✓ Foundational for Zero Trust and AI
- ✓ Reduce risk of data misuse
- ✓ Establish clear ownership and responsibility of data assets
- ✓ Identify duplicative, under used and obsolete data



Required by federal law (Evidence Act) and OMB Guidance (A-130)

Who are Data Stewards?



Individuals responsible for managing the quality, documentation, and appropriate use of data assets on behalf of the organization



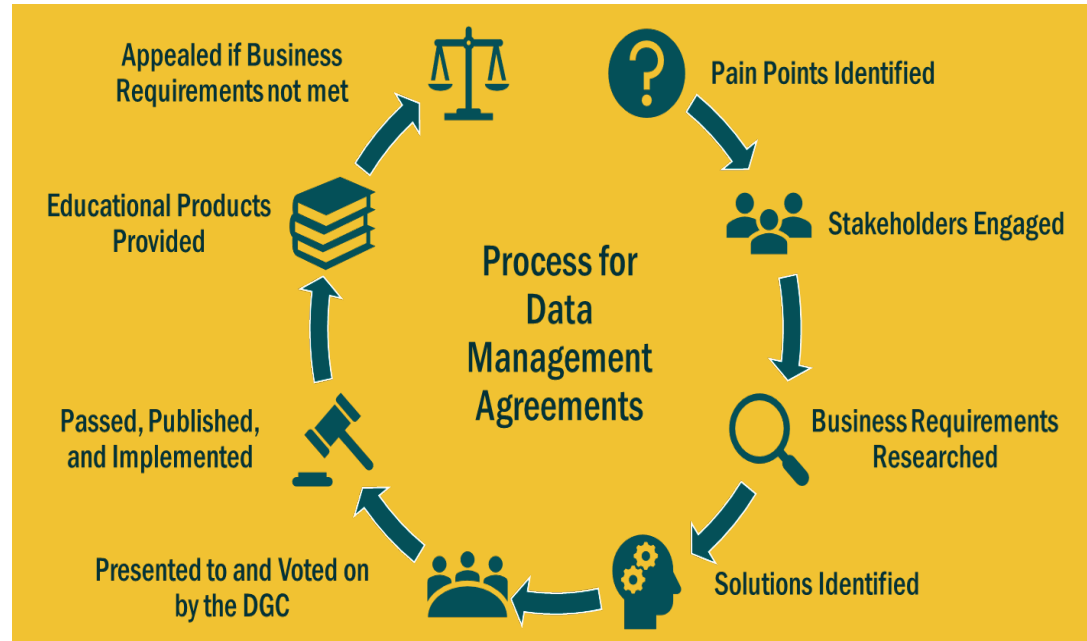
Provide the quality control layer for everything AI depends on – without them we have “garbage in, garbage out”!



Governance in Practice

Best Practices

- Focus on the value proposition
- Listen to stakeholders & encourage open dialogue
- Agreements are only the first step towards adoption
- Have a plan & over communicate it
- Resource adequately
- Secure leadership support!





Call to Action

- **You can do it!**
 - Financial professionals have valuable and unique expertise stewarding government data
- **Lead by example**
 - CFO shops are well positioned to pilot AI models given the typical high quality of their data sets
- **Get involved**
 - Test an AI model, start a community of practice or volunteer on a governance working group



Questions?

Ashleigh Sanders



*Let's
connect on
LinkedIn!*

