DATA AWARENESS

DATA GOVERNANCE

WHAT IS DATA GOVERNANCE?

Data governance is a concept that enables an organization to ensure that **high data quality** exists throughout the **complete life cycle** of the data.

Focusing on data governance allows the organization to have data that:

- is **available** when needed;

- is **usable** when accessed;

- is **consistent** when analyzed;

- has **integrity** and is of **high quality**, and

- is **secure** and **trustworthy**.

WHAT IS DATA GOVERNANCE?

Data governance encompasses:

- **people**;

- **processes**, and

- **information technology**.

It is required to create a **consistent** and **proper handling** of an organization's data, across the enterprise.

It provides the **foundation**, **strategy**, and **structure** to ensure that data is managed as an **asset** and transformed into **meaningful information**.

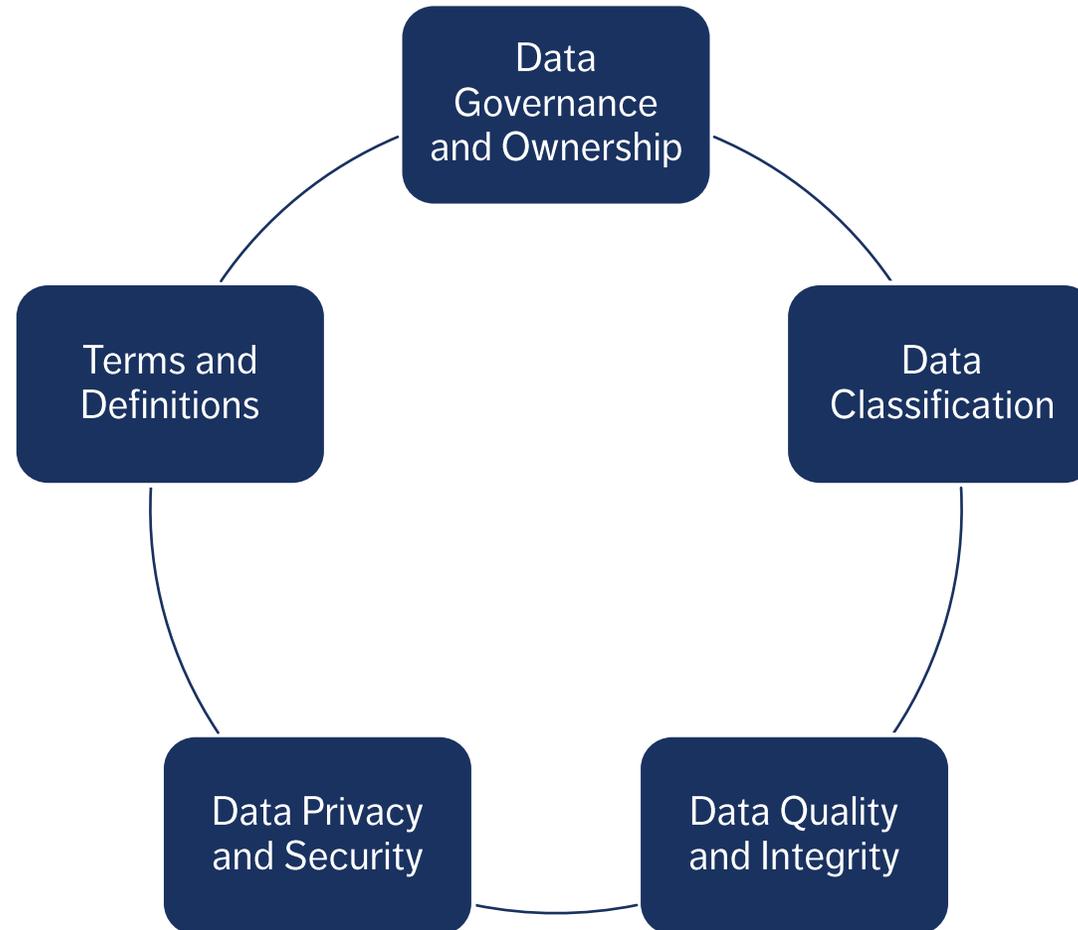# DATA GOVERNANCE

Data Management Association (DAMA)

- DMBOK 2 (*Data Management Body of Knowledge*)

- well-detailed & thorough

- sections "reasonably" aligned with GoC approach

- backed by a professional organization

- but ... not government focused

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DATA GOVERNANCE

Placeholder – go through each of the sections in a little more detail. It's going to be especially important for things like metadata, reference data etc.

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DATA GOVERNANCE

ACCOUNTABILITY AND RESPONSIBILITY

	Data Trustee	Data Steward	Data Custodian	Data Contributor	Data Consumer
Definition	A person who has governance and compliance responsibility for a set of data assets	A person who has business accountability for a set of data assets	A person who has technical accountability for a set of data assets	A person who creates or collects data that is relevant to the organization	A person who uses data to enable business outcomes
Accountability summary	▪ Compliance ▪ Risk ▪ Oversight ▪ Approval ▪ Champion ▪ Issue resolution	▪ Accuracy ▪ Consistency ▪ Business requirements ▪ Metadata definition and management ▪ Data Quality ▪ Data Curation ▪ Fitness for Purpose ▪ Governance ▪ Inventory ▪ RDM ▪ Role Management	▪ Security ▪ Access Management ▪ Availability ▪ Capacity ▪ Continuity ▪ Safeguarding ▪ Implementation ▪ Technical standards ▪ Configuration ▪ Control ▪ Modeling ▪ Versioning ▪ Change Management	▪ Data Acquisition and entry ▪ Data Quality ▪ Metadata Preparation ▪ Ethical and secure gathering of data ▪ Identification of issues ▪ Identification of new data sources	▪ Ethical use ▪ Report on Data Quality ▪ Report on fitness for purpose ▪ Identification of business and data rules ▪ Identification and reporting of data control ▪ Use in line with governance

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GOALS OF DATA GOVERNANCE

1 Create self-service data culture

2 Establish internal rules for data use

3 Implement compliance requirements

4 Improve internal and external comms

5 Increase value of data

6 Reduce costs

7 Continually manage risks

8 Ensure continued existence

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COMMON ISSUES WITH DATA GOVERNANCE

Pioneered, planned, and projected by the most technical resources.

Verbiage is all over the place.

'Donut meetings'...

POSSIBLE STRUCTURE

Executive

Data Governance Steering Committee

Managerial

Data Governance Committee

Data Stewardship Committee

Domain Specific

Operational

Metadata Working Group

Reference Data Working Group

Data Quality Working Group

Data Stewardship Network

E.g., Corporate Services

E.g., Geospatial

E.g., Maintenance

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