
MODULE 1: DATA FOUNDATIONS

CT ACADEMY | DATA ACTION LAB

3. DATA GOVERNANCE

DATA FOUNDATIONS

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**.

EXERCISES

In groups, identify times where you have had issues due to:

- data availability,
- data usability,
- data consistency,
- data integrity,
- data quality,
- data security, and/or
- data trustworthiness.

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

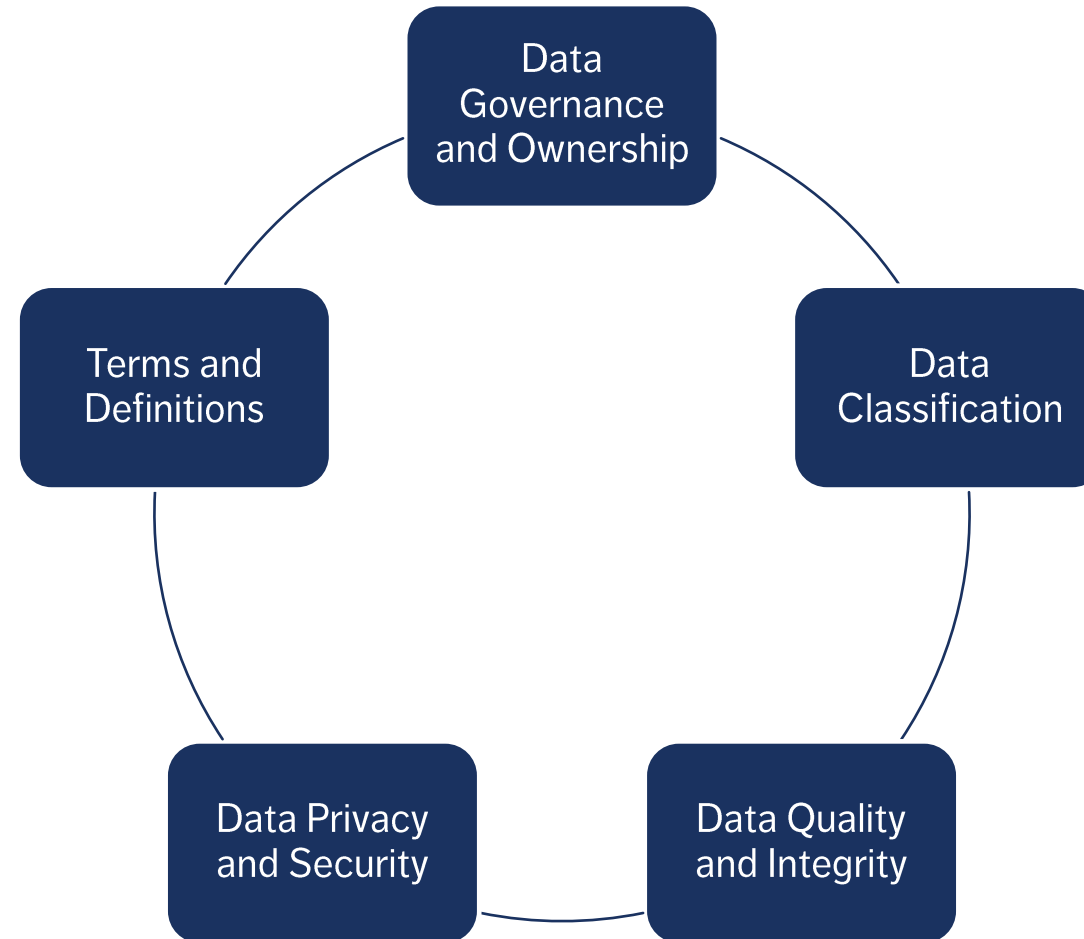


EXERCISE

Make a list of the top 3 data governance activities that you think have the biggest impact on your organization.

For each, detail the reason(s) why it is important and the barriers to implementation.

DATA GOVERNANCE



DATA GOVERNANCE IN THE GOC



Central point of reference for GoC (**Digital Government** website):

- [Strategic plans, policies, standards and guidelines related to government digital services](#)

Report to the **Clerk of the Privy Council**:

- [A Data Strategy Roadmap for the Federal Public Service](#)

Treasury Board Secretariat (selection):

- [Policy on Service and Digital](#) and [Digital Operations Strategic Plan: 2018-2022](#)
- [Government of Canada Strategic Plan for Information Management and Information Technology 2017 to 2021](#)
- [Government of Canada Cloud Adoption Strategy: 2018 update](#)

Industry Canada:

- [Canada's Digital Charter in Action: A Plan by Canadians, for Canadians](#)

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	<ul style="list-style-type: none"> Compliance Risk Oversight Approval Champion Issue resolution 	<ul style="list-style-type: none"> Accuracy Consistency Business requirements Metadata definition and management Data Quality Data Curation Fitness for Purpose Governance Inventory RDM Role Management 	<ul style="list-style-type: none"> Security Access Management Availability Capacity Continuity Safeguarding Implementation Technical standards Configuration Control Modeling Versioning Change Management 	<ul style="list-style-type: none"> Data Acquisition and entry Data Quality Metadata Preparation Ethical and secure gathering of data Identification of issues Identification of new data sources 	<ul style="list-style-type: none"> 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

GOALS OF DATA GOVERNANCE

1

Create self-service data culture

5

Increase value of data

2

Establish internal rules for data use

6

Reduce costs

3

Implement compliance requirements

7

Continually manage risks

4

Improve internal and external comms

8

Ensure continued existence



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