

Data utilization management system

Definition

A data utilization management system is a [management system](#) with regard to [utilization of data](#).

Abbreviation

DUMS

Note

The [objective](#) of a data utilization management system (DUMS) is increased social or economical profitability by:

- improved decision-making,
- better customer experience,
- enhanced operational efficiency, and
- mitigated risk.

Relations

A data utilization management system consists of elements which each have a lifecycle that should be managed.

Data utilization management system	is child of a	data management system
Data utilization management system	is sister of	data quality management system
Data utilization management system	is sister of	data security management system
Data utilization management system	consists of	data utility objectives
Data utilization management system	consists of	data utility policy
Data utilization management system	consists of	data strategy
Data utilization management system	consists of	data architecture
Data utilization management system	consists of	data utility stakeholders
Data utilization management system	consists of	data utility issues
Data utilization management system	consists of	data utility risk analysis
Data utilization management system	consists of	data utility requirements
Data utilization management system	consists of	data competence (capabilities)
Data utilization management system	consists of	data utility awareness (data literacy or data fluency)
Data utilization management system	consists of	data utility communication (communication about data)
Data utilization management system	consists of	data utility management roles
Data utilization management system	consists of	data processes (internal and external)
Data utilization management system	consists of	data contract

Data utilization management system	consists of	metadata (incl. data model and data lineage)
Data utilization management system	consists of	data user satisfaction
Data utilization management system	consists of	data supplier
Data utilization management system	consists of	DUMS continual improvement
Data utilization management system	consists of	DUMS management review (data governance)
Data utilization management system	consists of	DUMS internal audit
Data utilization management system	consists of	use cases
Data utilization management system	consists of	resources

All elements of a DUMS have to be managed and have their own life cycle.

Characterics

- DUMS Maturity
- DUMS Effectiveness
- DUMS Efficiency
- DUMS Completeness
- DUMS Level of integration with other management systems
- DUMS Scope

Life cycle

- Plan DUMS
- Develop DUMS
- Execute DUMS
- Describe DUMS
- Extend DUMS
- Evaluate DUMS
- Audit DUMS
- Review DUMS by management
- Improve DUMS

All, DUMS

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