

# 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	<a href="#">data management system</a>
Data utilization management system	is sister of	<a href="#">data quality management system</a>
Data utilization management system	is sister of	<a href="#">data security management system</a>
Data utilization management system	consists of	<a href="#">scope</a>
Data utilization management system	consists of	<a href="#">data utilization objectives</a>
Data utilization management system	consists of	<a href="#">data utilization policy</a>
Data utilization management system	consists of	<a href="#">data strategy</a>
Data utilization management system	consists of	<a href="#">data architecture</a>
Data utilization management system	consists of	<a href="#">data utilization stakeholders</a>
Data utilization management system	consists of	<a href="#">data utilization issues</a>
Data utilization management system	consists of	<a href="#">data utilization risk analysis</a>
Data utilization management system	consists of	<a href="#">data utilization requirements</a>
Data utilization management system	consists of	<a href="#">data competence</a> ( <a href="#">capabilities</a> )
Data utilization management system	consists of	<a href="#">data utilization awareness</a> ( <a href="#">data literacy</a> or <a href="#">data fluency</a> )
Data utilization management system	consists of	<a href="#">data utilization communication</a> (communication about data)
Data utilization management system	consists of	<a href="#">data utilization management roles</a>
Data utilization management system	consists of	<a href="#">data processes</a> (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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