

Data utilisation management system

Definition

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

Abbreviation

DUMS

Note

The [objective](#) of a data utility 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 utility management system consists of elements which each have a lifecycle that should be managed.

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

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

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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