CMMI Data Maturity Model (CMMI DMM)

How Artificial Intelligence and Machine Learning can Improve Data Management

DAMA Data Management Knowledge Areas

The DAMA Wheel defines the Data Management Knowledge Areas.
- Data Governance is placed at the center of data management activities, since governance is required for consistency within and balance between the functions.
- The other Knowledge Areas are all necessary parts of a mature data management function:
  - Big Data and Data Science Analytics
  - Data Management Maturity Assessment
  - Data Management Organization and Roles
  - Data Management and Organizational Change Management
  - Data Handling Ethics

DAMA Data Management Maturity Levels

For more information refer to Data Management industry standards
Data Maturity Model (DMM), CMMI Institute, 2018 [online] https://cmmi-institute.com/data-management-maturity

CMMI DMM Maturity Levels:
1. Performed: Processes are defined ad-hoc, primarily at the project level.
2. Managed: Processes are planned and executed according to policy.
3. Defined: Set of standard processes is employed and consistently followed.
4. Measured: Process metrics have been defined and used for data management.
5. Optimised: Process performance is optimised based on measured metrics.

AI & ML assistive tools can increase quality and precision of Data Management by all actors/roles in the research data lifecycle.