



Data Quality and Governance

Data is the life blood of many organizations. Information Technology (IT) managers and individual contributors are the guardians of this data. As a result, IT must understand how data is collected, stored, distributed, used, and in regard to this class, managed.

To that end, this class discusses the data quality requirements for different data types, the business, IT and vendor practices that help create bad data, processes to help identify bad data, and the management practices and data governance needed to help facilitate the distribution of quality information.

Listed below are some of the topics covered in this class.

Data Quality Requirements

- How different types of data require different levels of quality

Causes of Bad Data

- Data problems caused by vendors
- Data problems caused by IT and system architectures

Identifying Bad Data

- Ways to monitor and identify bad data
- Data health check philosophy and practices

Data Friendly Topologies

- Internal and external data friendly topologies
- Modifying existing data flows and topologies

Data Governance and Management

- Data governance and Data Governance Group (DGG) definitions
- Responsibilities, location, level, and structure
- Challenges of justifying a DGG

Food for thought

- Various mini-case scenarios that help illustrate cloud computing pains and payoffs