

Module 1 Data Warehouse Concepts and Architectures

Lesson 4: Learning effects for data warehouse development



Lesson Objectives

- Discuss challenges in data warehouse projects
- Explain learning effects for maturity and project management
- Reflect on importance of intangible benefits for data warehouse investments



Challenges in Data Warehouse Projects

- Substantial coordination across organizational units
- Uncertain data quality in data sources
- Difficult to scale data warehouse



Intangible Benefits

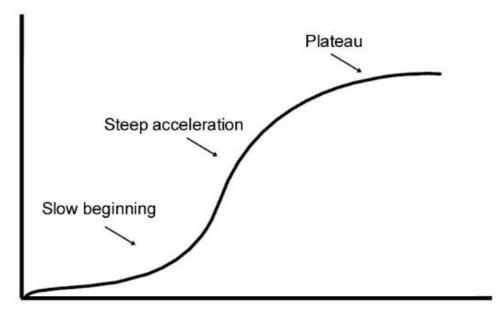
- Not easily quantified but important for an organization's success
- Increased data quality
 - Fewer missing values
 - More matched entities
 - More data availability
 - Higher levels of compliance with data standards
- May become tangible over time





Learning Curve for Skills

Performance measure



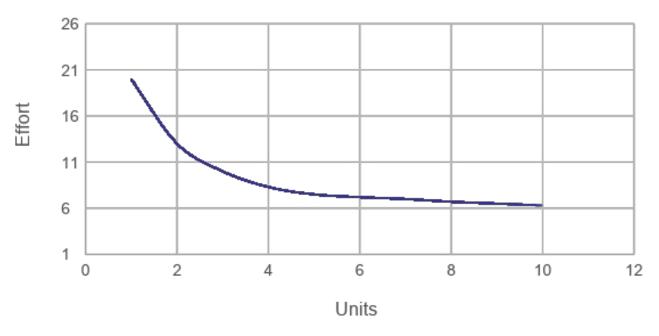
Number of trials or attempts at learning





Learning Curve for Production

Learning Curve for Production

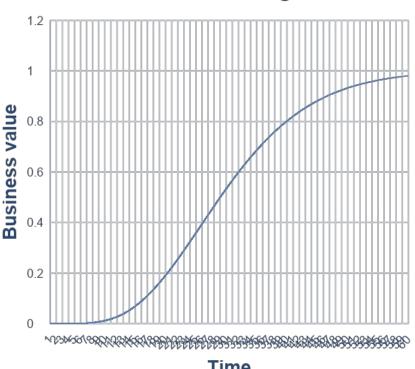




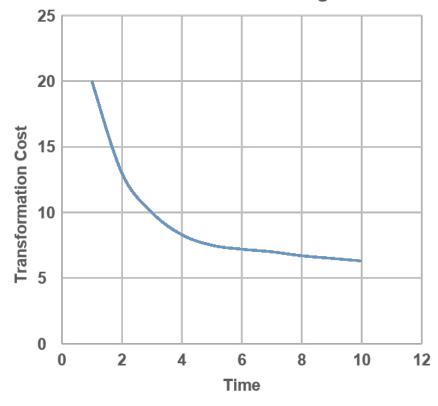


Maturity Relationships

Business Value Learning Curve



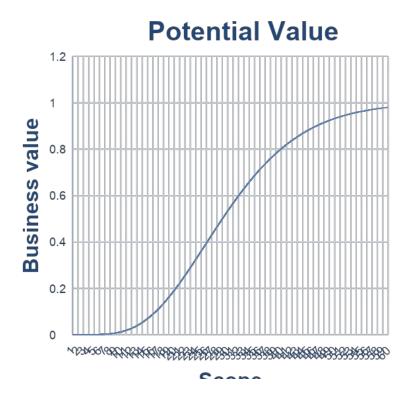
Data Transformation Learning Curve

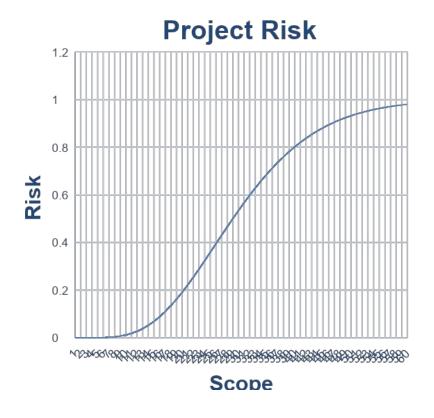






Project Relationships









Summary

- Project difficulties and intangible business value
- Learning curves for skills and production
- Learning curves for maturity and project scope



