



DATA MAPPING

Domain Course Outline



Hour 1: Introduction to Data Mapping

1.1 Welcome and Course Objectives

- Course Introduction and objectives
- Overview of the agenda

1.2 Understanding Data Mapping

- Definition and Importance of Data Mapping
- Key Concepts and Terminology

1.3 Types of Data Mapping

- Manual Data Mapping
- Automated Data Mapping
- Use Cases for Data Mapping

1.4 Roles and Responsibilities of a Business Analyst in Data Mapping

- BA main tasks and deliverables
- Collaboration with stakeholders
- Interactive Q&A Session

Hour 2: Data Mapping Methodologies

2.1 Data Mapping Process

- Step-by-step guide to the data mapping process
- Identifying source and target data
- Mapping data elements and attributes

2.2 Data Mapping Techniques

- Techniques for effective data mapping
- Ensuring data integrity and consistency
- Handling data anomalies and exceptions

2.3 Creating Data Mapping Specifications

- Components of a data mapping document
- Best practices for documenting data mappings
- Review of sample data mapping documents

2.4 Tools for Data Mapping

- Overview of popular data mapping tools
- Criteria for selecting data mapping tools
- Practical Exercise: Identify data elements and attributes for a sample data mapping project.

Hour 3: Hands-on Data Mapping Exercise

3.1 Practical Data Mapping Exercise

- Step-by-step guided exercise
- Mapping data from a source system to a target system
- The ETL process

3.2 Real-World Examples and Case Studies

- Discussion of real-world data mapping projects
- Challenges and solutions in data mapping

Hour 4: Best Practices and Conclusion

4.1 Best Practices for Data Mapping

- Ensuring data quality and integrity
- Maintaining documentation and version control
- Continuous improvement in data mapping processes

4.2 Common Pitfalls and How to Avoid Them

- Identifying and mitigating common data mapping issues
- Strategies for effective communication and collaboration

4.3 Summary and Key Takeaways

- Recap of key concepts and methodologies
- Final thoughts and recommendations
- Optional Exercise: Complete a comprehensive data mapping project based on a real-world scenario.

Notes:

Course Materials include:

- Course Notes
- Data Mapping Templates

