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TRAINING AND CONSULTANCY

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DATA MODELLING

Business rules are a fundamental aspect of the requirements which Business Analysts need to capture and understand. Many business rules are intrinsically bound up with the structure of data, and a clear understanding of the business data enables the building of more flexible and maintainable systems.

When analysing business requirements, therefore, an understanding of the implications of the way in which data is structured is essential to an appreciation of the freedoms and constraints of current infrastructure, whilst investigating fully the business rules. Data modelling is therefore an essential skill for the Business Analyst.

DATA MODELLING FOR BUSINESS ANALYSTS

This practical workshop will teach the delegate industry-standard, recognised techniques for data analysis. The course is highly interactive and gives extensive practice in defining the data groups (classes, entities) and relationships / associations. The delegate will explore business rules, test out the viability of system options and construct logical models of the data to reflect business needs.

Course Objectives

This course will enable delegates to:

- Understand the need for data modelling
- Model data from different perspectives
- Understand how business rules can be identified
- Use data modelling to complete the requirements

Who Should Attend

Those who are likely to become involved in database definition, business analysis and systems analysis, design and development at any level, including:

- Business Analysts and Systems Analysts
- Database Administrators
- Data Management Specialists
- Systems Designers
- Developers
- Team Leaders
- Quality Assurance and Quality Control Specialists

Course Duration: 3 days

Course Code: DM

Practical Work

Interactive tutor-led sessions examine the problem domain and identify steps to analyse data both “top down” and “bottom up”. Explore both worked examples and data sources from real life to give extensive, workshop-based experience of analysing data in a real world situation.

Detailed Course Content

Introduction to Data Modelling

Concepts and objectives of data modelling in business analysis
Approaches to data analysis
Class Models and Entity Relationship Diagram

Identifying Data Groups

Notations and conventions
How to identify data groups
Sub types and super types

Identifying Attributes

Data attributes
Identifiers

Drawing the Data Model

Steps for model creation
Validating the model against requirements

Identifying Relationships

How to identify data relationships
Degrees of relationship
Resolving relationships
Exclusivity, recursion
Validating the data model

(continued overleaf)

Pre-requisites and evening study

There are no pre-requisites for the course and no evening work should be required.

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Detailed Course Content (continued)

Relational Data Analysis
Notation and convention
Relations and domains
Types of data identifiers
Process navigation
Normalising data
Rationalising results

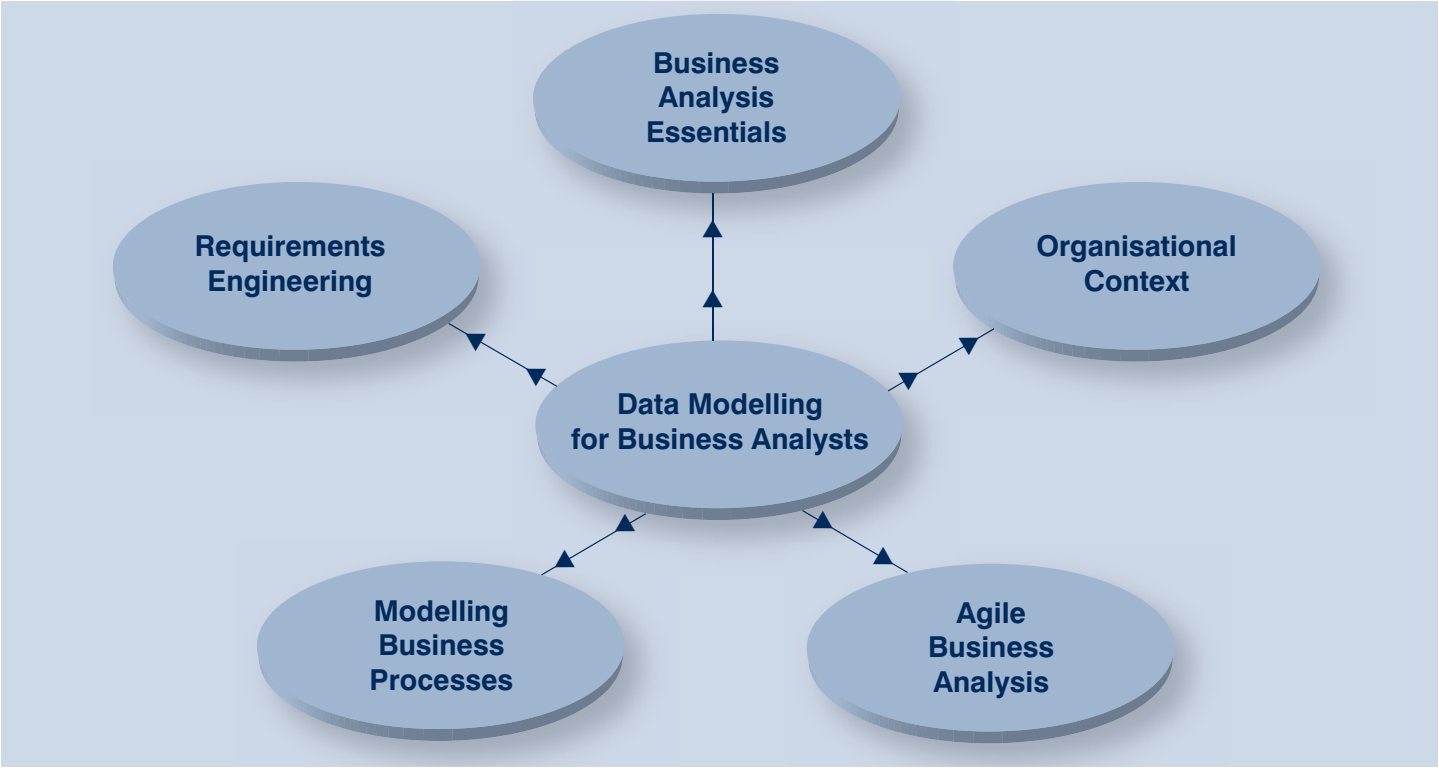
Validating the Data Model
Validation of models
Volumetrics

Access paths and entry point navigation
Sequence of access
Optimisation of the model
Consolidation of models
Implementation practicalities

More Information

If you would like to discuss anything further, please email us at ***contact@tcc-net.com***
For upcoming dates on our public schedule and prices, please visit our website at ***www.tcc-net.com***
If you have four or more people to train and would like this course run in-house, please ***call us*** for further details.

Related TCC Training Courses



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