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YOUR BEST BUSINESS DECISION

Data Analysis with Excel - Advanced
1 Day Course

Course level – Advanced
Many of us struggle with the sheer amount of data that is available in this information age. In many cases, reports are built to present the data, but find that the end result still has a limiting structure and usability.

Overview
This one-day course provides attendees with hands-on techniques with a focus on keeping things dynamic and expandable. Covering structured references, dynamic listing techniques, scenario modelling, and through the exercises we will get to use some of the more unexplored functions and areas in Excel.

Learning outcomes include obtaining a greater understanding of:

- **Advanced listing techniques**
  - Tricks in creating dependent lists
  - Dynamic selection tips
  - Dynamic extraction of unique values
- **Facilitating calculations**
  - Dynamic and expandable named ranges
  - Multi-nested functions / expandable referencing
  - Structured table references / Table nomenclature
  - Aggregate calculation using the 'wildcard' technique
- **Key Functions**
  - DSUM / SUMPRODUCT / SUMIFS (& building conditions)
  - Advanced uses of: OFFSET / CHOOSE / INDEX / MATCH
  - ROWS
  - INDIRECT
- **Further advanced techniques for summarising & presenting data**
  - Mini Pivot Table reports
  - Fast calculations with Data Tables
  - Data modelling with Scenario Manager
  - Histogram and Pareto Charts
- **Excel dashboards (extracts)**
  - Creative charting techniques
  - Building a visual analysis
  - Tips and tricks in custom formatting
- **Bonus VBA exercises**
  - Apply simple automation to speed up processes

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