

VBA & Power Pivot: DAX, Macros & User Forms

Learn to import and model data with Power Query and Power Pivot, and automate Excel tasks with VBA macros and user forms.

16 Hours

DURATION

3

MODULES

25

TOPICS

COURSE OVERVIEW

This course covers importing data with Power Query, building standard pivot tables and charts in Excel, and working with Power Pivot to create relationships between fact and dimension tables and build DAX measures. It then moves into VBA, starting with the VBA editor, recording and writing macros, and working with CELLS and RANGE objects. Learners work with variables, conditional statements, logical operators and loops, then build custom formulas, message boxes, input boxes and reports with filters. The course closes with forms, buttons, drop-down menus, checkboxes, workbook event triggers, user forms for data entry and editing, user form controls, and VBA string functions.

WHO THIS COURSE IS FOR

Excel Users

Data Analysts

Report Developers

VBA Developers

Business Analysts

LEARNING OBJECTIVES

- Import data using Power Query and connect data sources with formulas
- Create pivot tables and charts to report on data
- Build relationships between fact and dimension tables in Power Pivot
- Write DAX measures for data analysis
- Record, modify and write VBA macros from scratch
- Apply variables, if-else statements and loops in VBA
- Develop custom formulas, message boxes and input boxes
- Build user forms with controls for data entry and editing

3 Modules, 25 Topics

01

Use Power Query to Import Data

TOPICS

Using Formulas for Connecting Data Sources · Use Standard Pivot Table to create reports · Charts in Excel

02

Power Pivot

TOPICS

Relationships · Fact and Dimension · DAX Measures

03

VBA

TOPICS

- Understanding VBA Editor, toolbars, and options
- Record, Modify or Write Macros from scratch
- CELLS and RANGE objects
- Automate and Customize data entry forms
- Variables and Scope of Variables
- If Else Statements
- Usage of Logical operators
- Loops
- Choose the right Loop for each task
- Make Custom Formulas/Functions
- Message Boxes, Input Boxes
- Basic Reports
- Adding filters to Report Menus
- Forms, Buttons, Drop-down menus, Checkboxes
- Triggering code from a number of different methods
- **Special Commands for a workbook:** Open, close
- Understanding User Forms for Data entry, report generation, editing tables/databases
- User Form Controls (Buttons, Shapes, Drop Downs, List Boxes, Click Actions, Loads of Fun Controls)
- VBA Functions/String Functions

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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