

# Power Pivot Training

This course is designed to guide you through the entire business intelligence workflow, from data preparation to modeling and analysis.

Group classes in NYC and onsite training is available for this course. For more information, email [corporate@nobledesktop.com](mailto:corporate@nobledesktop.com) or visit: <https://www.nobledesktop.com/classes/power-pivot-training>



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## Course Outline

### Intro to the Power Excel Series

- Power Excel workflow
- Key benefits of Power Query and Power Pivot

### Power Query

- Introduction to Power Query
- Query Editor
- Loading data in Excel
- Table transformations
- Query editing tools for text, numbers, and dates
- Creating a rolling calendar
- Grouping and aggregating data
- Modifying, merging, and appending queries
- Connecting Excel to a folder of files
- Best practices for Power Query

### Data Modeling

- Introduction to data modeling
- Excel data model
- Database normalization
- Table relationships and cardinality
- Data model best practices

### Power Pivot and DAX

- Introduction to Power Pivot and DAX
- Creating Power Pivot tables
- Calculated columns and DAX measures
- Filter context and measure calculation

- Best practices for Power Pivot

## **Common DAX Functions**

- DAX formula syntax and operators
- Basic math and stats functions
- Logical functions
- Text functions
- CALCULATE function
- Filter context with FILTER and ALL
- Joining data with RELATED
- Iterator functions (SUMX, RANKX)
- Date and time functions
- Time intelligence formulas
- Speed and performance considerations
- DAX best practices

## **Conclusion**

Data visualization options