

# Power Pivot Training

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

For more information, visit

<https://cl.nobledesktop.com/tech/courses/power-pivot-training>



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## Course Outline

### Advanced Data Modeling Techniques

- Managing Relationships
- Star vs. Snowflake Schema: Best Practices
- Understanding Active/Inactive Relationships
- Role-Playing Dimensions
- Difference Between Calculated Columns vs. Measures

### Advanced DAX Functions

- Review Basic DAX: Sum, Count, Average, Distinct Count
- CALCULATE
- FILTER(), ALL(), ALLEXCEPT(), VALUES(), REMOVEFILTERS()
- Time Intelligence Functions (SAMEPERIODLASTYEAR, DATESYTD)
- Dynamic Date Filtering and Custom Calendar Table

### Advanced DAX – Part 2

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

### Power Pivot and DAX

- Using USERRELATIONSHIP()
- Using VAR for better DAX performance and readability
- YoY % change

### KPIs, Advanced Visual Integration & Real-World Scenarios

- Creating KPIs in Power Pivot
- Dynamic Product Ranking, Cumulative Totals

- Data Model Design Best Practices
- Tips for Performance Optimization
- Time Intelligence Best Practices