

# Introduction to PowerPivot – 1 Day

## PowerPivot Concepts and Theory

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- When should I use PowerPivot vs PivotTables
- Database theory
  - Normalisation
  - Primary & Foreign keys
  - Fact tables vs dimension tables
  - Star scheme vs Snowflake schema

## Basic Operations

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- Activate the PowerPivot add-in
- Open and close the PowerPivot add-in
- Navigate the PowerPivot add-in
- Format columns
- Sort columns
- Create relationships between tables
- Create a Pivot report
- Refresh data

## Create Calculated Columns & DAX Formulas

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- Create calculated columns referring to fields in the current table
- Create calculated columns referring to fields in related tables using the RELATE function

## Create Measures Using DAX Functions

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- Theory – calculated columns vs measures
- Use the CALCULATE function
- Use the FILTER function
- Use the ALL function
- Use the SUMX function
- Use the AVERAGEX function

## Use Time Intelligence Functions

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- Create a data table
- Use DAX time intelligence functions

## More PowerPivot Functionality

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- Create named sets
- Create hierarchies
- Create KPIs

