Creating Data Models in Power BI

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Overview

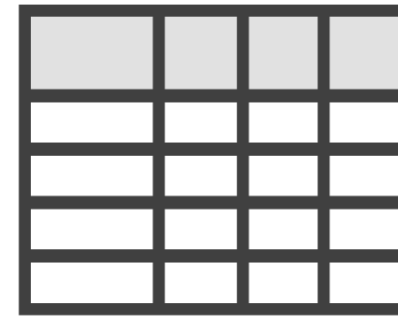**Introducing the Power BI data model**

Defining table relationships

Configuring model properties

Adding calculations
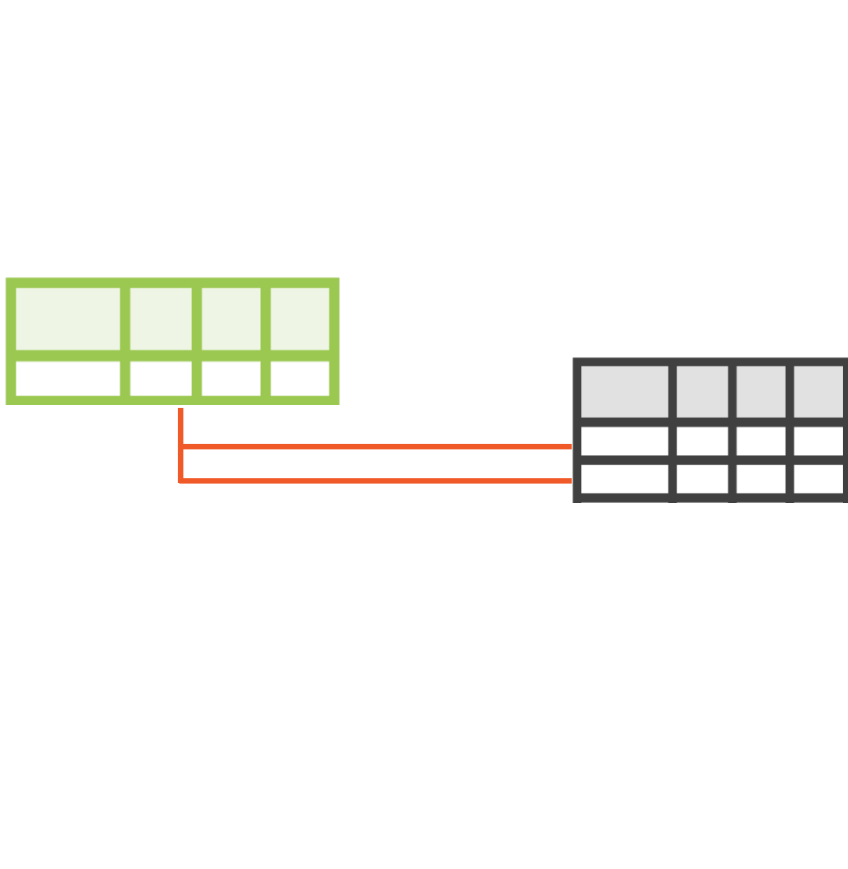
Introducing the Power BI Data Model

Queries
are comprised of data sources
and a sequence of
transformation steps

Model tables
are loaded from queries
and enhanced with relationships,
property settings, and calculations
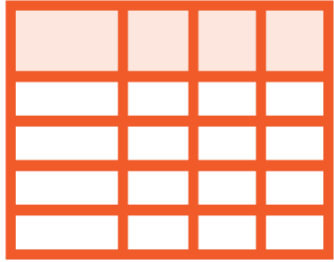
Defining Table Relationships

One-to-many relationship
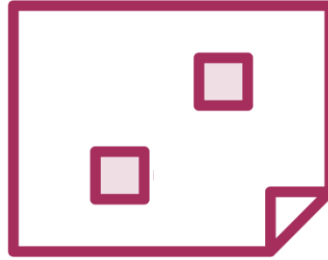
Single row in one table matches multiple rows in second table

"One" side requires unique values in matching column

"Many" side can have duplicate values in matching column

Configuring Model Properties

Object names and descriptions

Hidden objects

Sort order

Data types

Format

Default summarization

Adding Calculations

Calculated column	Measure
DAX expression	DAX expression
Resolves as a scalar value	Resolves as an aggregate value
Persists in each row of a table column	Displays as a visualization's data point
Increases the Power BI model size	Does not affect the Power BI model size

Summary

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