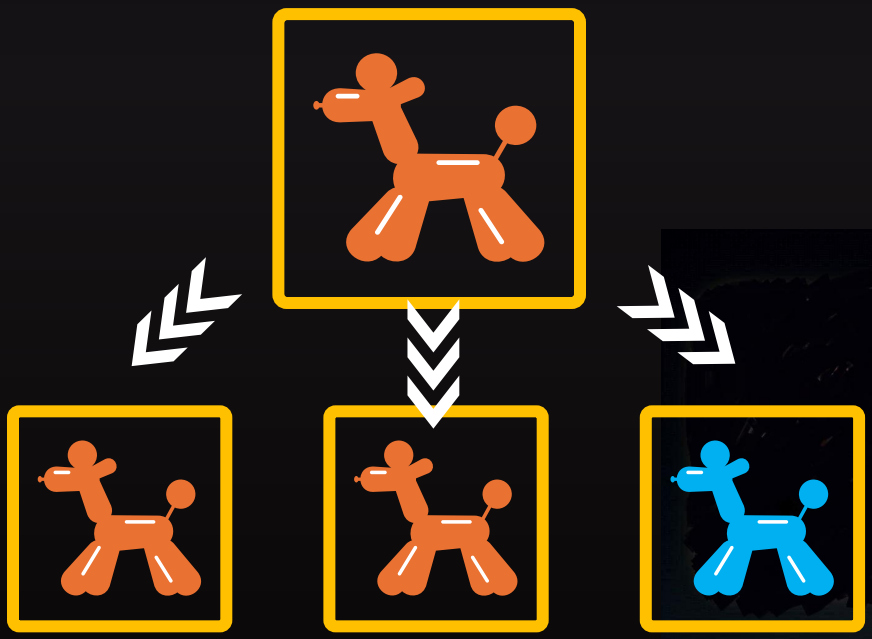
Start with PowerBI

"From Rookie to Rock"

Learn & Practice

Develop faster with TDML

Part 2: Reuse Semantic Model



Patou Tips #50

What is TDML?
An integrated code editor

TDML = Tabular Model Definition Language

The script TDML allows you to:

- ✓ Manage your data model more easily
- ✓ Share your code
- ✓ Modify, optimize, and improve your code with its integrated editor
- ✓ Manage your project versions

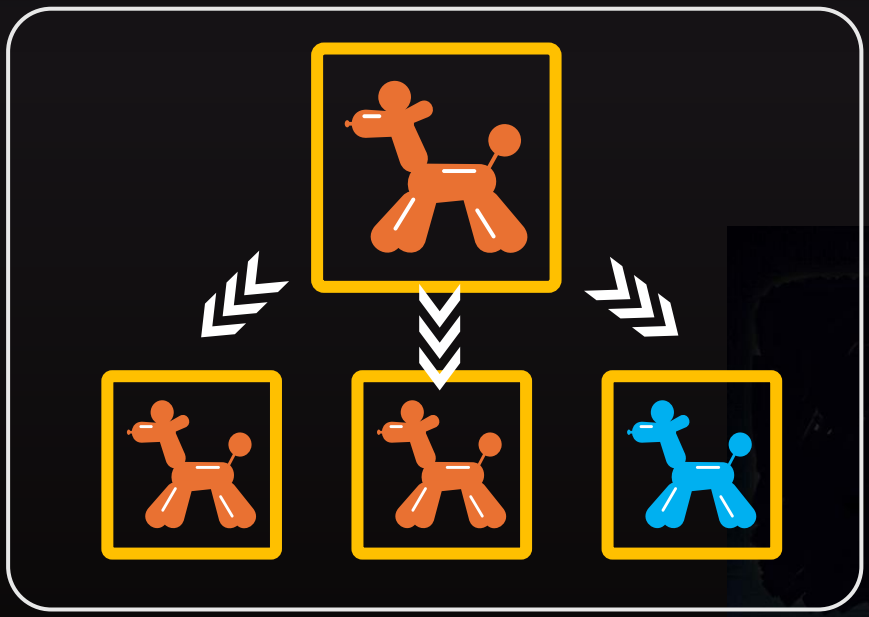
In these Patou Tips, we will examine the first 3 points.

Resources on GitHub
Patou-Tips/#50 Patou Tips (Develop faster with TDML - Reuse Semantic Model) at main · PatouTips/Patou-Tips

Develop faster with TDML

Part 2

Reuse Semantic Modelability



Start with PowerBI

"From Rookie to Rock"

Patou Tips #50

Reuse Semantic Model
2 Use cases (1/2)

In every Power BI project, the two use cases we will describe are frequently encountered:

Use case 1 Moving objects from one project to another one

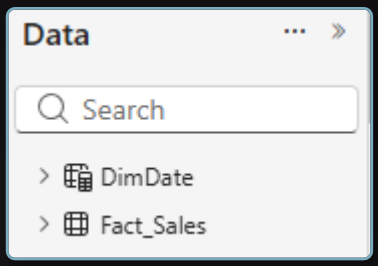
Use case 2 Quickly modifying the properties of an object

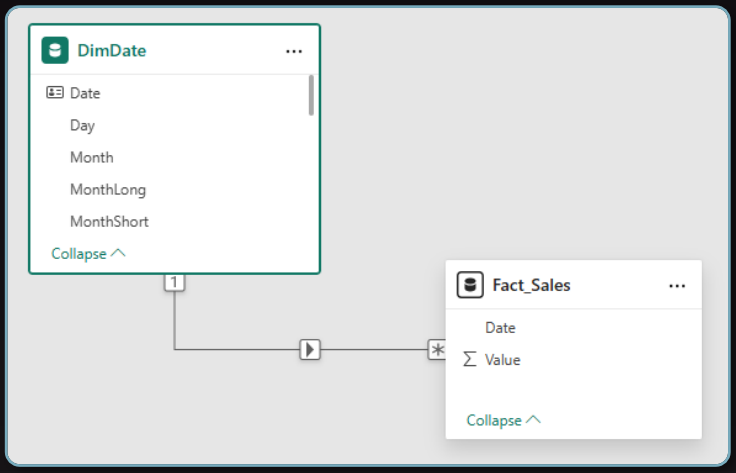
Reuse Semantic Model
2 Use cases (2/2)

Here is a Power BI project with two tables:

- ✓ A date dimension table (see the previous section, Patou Tips #49) created from a DAX formula, "DimDate"
- ✓ A sales fact table, "Fact_Sales".

These two tables are linked by a one-to-many relationship (modeling view) on the Date value.





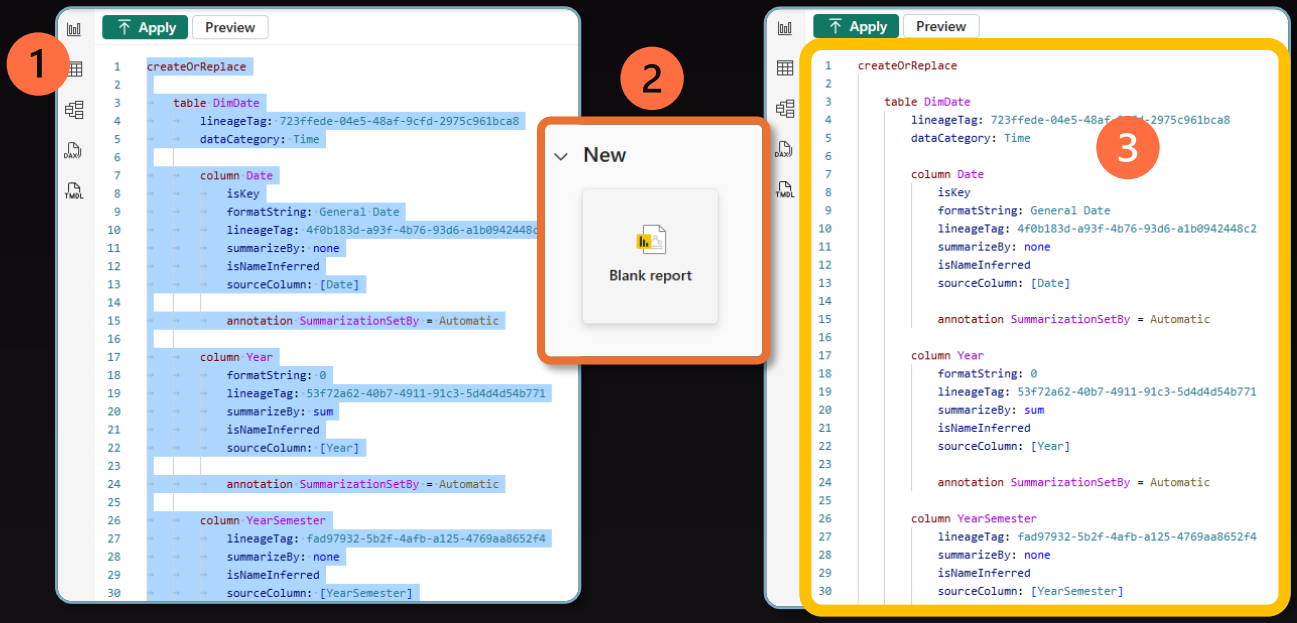
Reuse Semantic Model
Step 1: Generate the code

Use case 1: Moving objects from one project to another one

1. Go in the **TDML View**
2. Drag and drop the "Semantic model" in the "**TDML View window**"
3. A code appears in the **TDML View window** and includes all the characteristics of the Semantic Model.

Reuse Semantic Model
Step 2: Reproduce the code

Use case 1: Moving objects from one project to another one

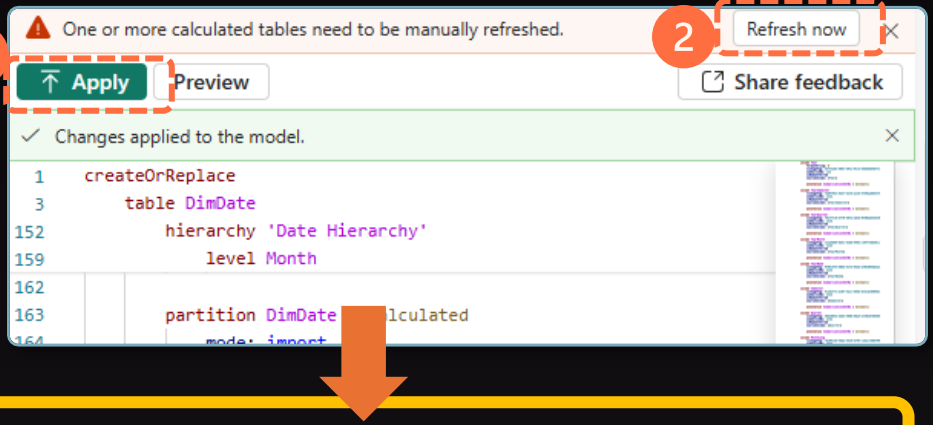


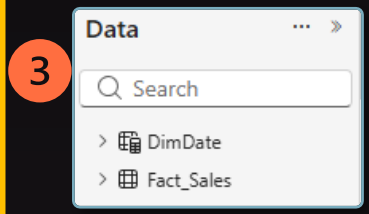
1. Select all the code (ctrl + A) and copy it (ctrl + C)
2. Create a new PowerBI project
3. Paste the code (ctrl + V) in the TDML View window

Reuse Semantic Model
Step 3: That's all folks!

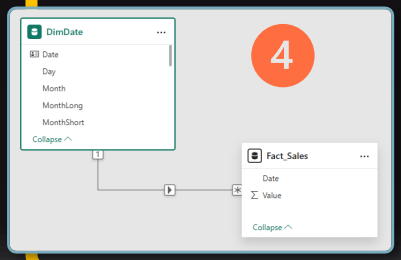
Use case 1: Moving objects from one project to another one

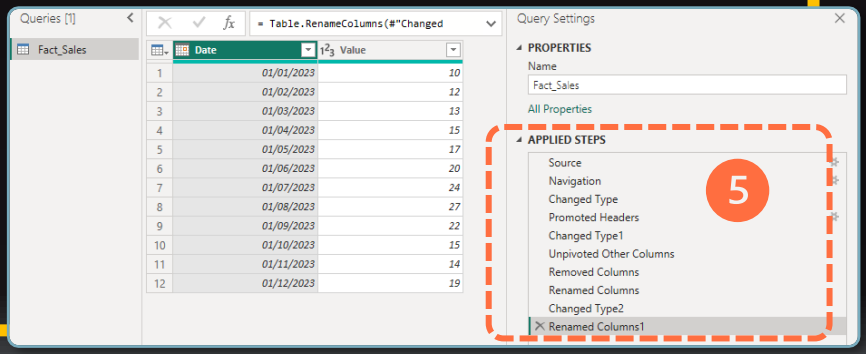
Click on the Apply button (1), then to the Refresh button (2).





All the Semantic Model is here; the tables (3), the modeling (4) and in PowerQuery all the operations created (5) in the Sales table.





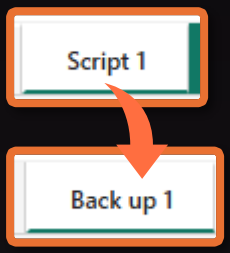
Reuse Semantic Model

Step 1: Save and duplicate script

Use case 2: Quickly modifying the properties of an object

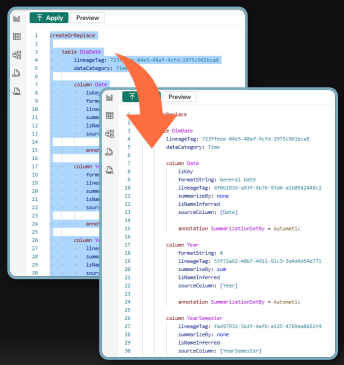
In this use case, the modification will consist of renaming the DimDate dimension to "Dim_Date". However, many other modifications are possible; it's just a simple example.

1



Before modifying a property, back up your script. By double-clicking the tab in the bottom left corner, rename the "Script 1" tab to "Backup 1". You can ultimately create many scripts—pretty cool, right?

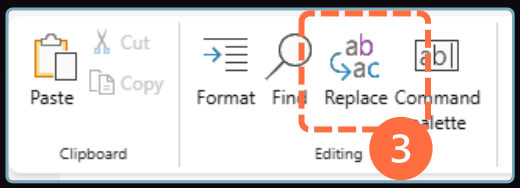
2



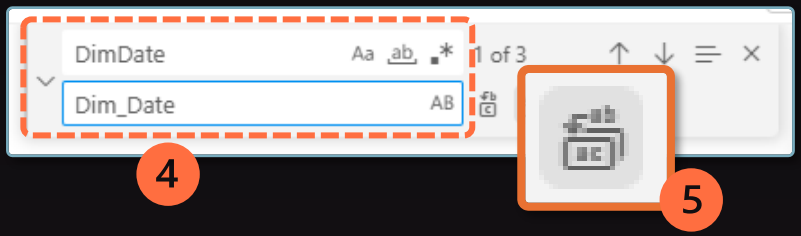
Select all the code (ctrl + A) and copy it (ctrl + C).
Create a new script and paste the code (ctrl + V) in the TDML View window

Reuse Semantic Model
Step 2: Modify script

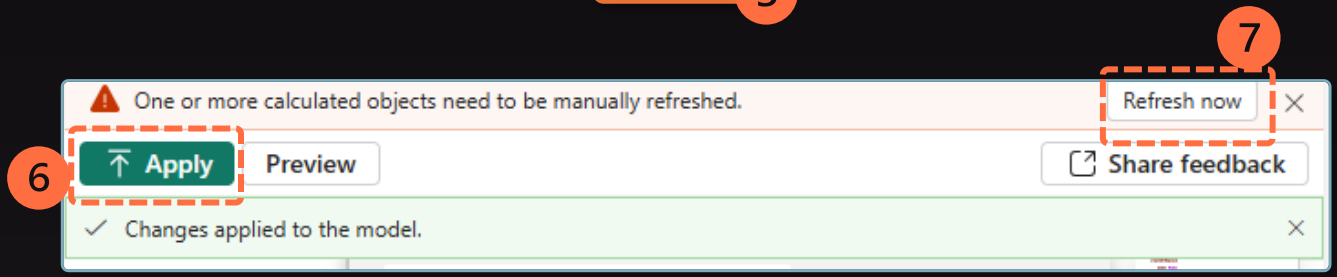
Use case 2: Quickly modifying the properties of an object



Click on the button "find and replace"



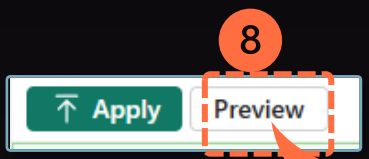
Replace "DimDate by "Dim_Date (4)" and click on the button "replace all (5)"



Click on the Apply button (6), then to the Refresh button (7).

Reuse Semantic Model
Step 3: That's all folks!

Use case 2: Quickly modifying the properties of an object



Click on the "preview" button, a panel appear and show the difference before and after the script.

This use case is very practical and the best solution for modifying repeated terms across multiple tables or measures. Great!

Coming soon, in 2026!

Patrice Fayard

Business Intelligence WORKBOOK

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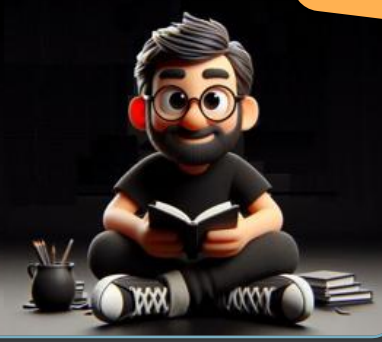
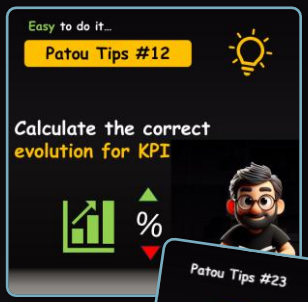


Learn and practice

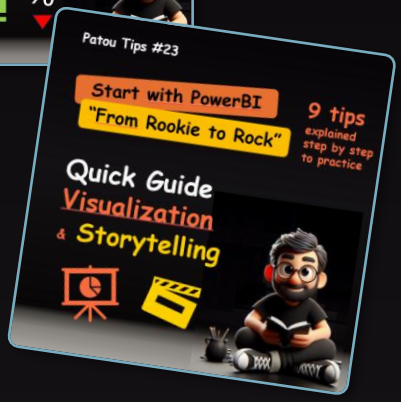
Find past issues of "Patou Tips" and download resources to practice on GitHub

Patou Tips #5
Create a Customized Chart (for income statement)



Patou Tips #12
Calculate right evolution for KPI

Patou Tips #6
Create Customized Icon



Patou Tips #23
Quick Guide Visualization & Storytelling

Patou Tips #7
Create an Age Pyramid Chart (for Human Ressources)

Resources on GitHub
https://github.com/PatouTips/Patou-Tips

Don’t forget!
This isn't the truth, it's just my truth!

Patou Tips

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