**Add Net Profit**

Building BI dashboards is an iterative process. Sometimes in the middle of the project, you may have to import new datasets and rethink the whole design.

Product Owner provided a workbook with ‘Operational Expense’ table having columns:

1. Market
2. Fiscal\_year
3. Ads\_promotions\_pct
4. Other\_operational\_expense\_pct

Imported the table into Power BI

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**Connect ‘Operational\_Expense’ to ‘fact\_actuals\_estimates’ to calculate Net Profit**

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Go to ‘Data Modelling’ View.

**Connections**

fiscal\_year\_table[fiscal\_year] 🡪 Operational Expense[fiscal\_year] ( 1 to many)

dim\_market[market] 🡪 Operational Expense[market] ( 1 to many)

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**Create ’Ads\_promotions’ column in fact\_actuals\_estimates**

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Creating ’Ads\_promotions’ column in fact\_actuals\_estimates to get ads and promotions expense based on market.

ads\_promotions =

var res = CALCULATE(MAX('Operational Expense'[ads\_promotions\_pct]),

RELATEDTABLE('Operational Expense'))

RETURN res \* fact\_actuals\_estimates[Net\_Sales\_amount]

Creating ’other\_operational\_expense’ column in fact\_actuals\_estimates to get values based on market.

other\_operational\_expense =

var res =

CALCULATE(MAX('Operational Expense'[other\_operational\_expense\_pct]),

RELATEDTABLE('Operational Expense'))

return res\*fact\_actuals\_estimates[Net\_Sales\_amount]

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**Created Measures**

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ads & promotions $ = SUM(fact\_actuals\_estimates[ads\_promotions])

other operational expense $ = SUM(fact\_actuals\_estimates[other\_operational\_expense])

Total Operational Expense = [ads & promotions $] + [other operational expense $]

Net Profit $ = [GM $] - [Total Operational Expense]

Net Profit % = DIVIDE([Net Profit $],[NS $],0)

In P&L Row headers table, Added Operational Expense, Net Profit, Net Profit % through power query.

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**Revised P & L values Formula**

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P & L values =

var res = SWITCH(TRUE(),

MAX('P & L Row headers'[Order]) = 1, [GS $] / 1000000,

MAX('P & L Row headers'[Order]) = 2, [Pre-invoice deduction $] / 1000000,

MAX('P & L Row headers'[Order]) = 3, [NIS $] / 1000000,

MAX('P & L Row headers'[Order]) = 4, [Post-invoice deduction $] / 1000000,

MAX('P & L Row headers'[Order]) = 5, [Post-invoice other deduction $] / 1000000,

MAX('P & L Row headers'[Order]) = 6, [Post-invoice deduction $] / 1000000 + [Post-invoice other deduction $] / 1000000,

MAX('P & L Row headers'[Order]) = 7, [NS $] / 1000000,

MAX('P & L Row headers'[Order]) = 8, [Manufacturing Cost $] / 1000000,

MAX('P & L Row headers'[Order]) = 9, [Freight Cost $] / 1000000,

MAX('P & L Row headers'[Order]) = 10, [Other Cost $] / 1000000,

MAX('P & L Row headers'[Order]) = 11, [Total COGS $] / 1000000,

MAX('P & L Row headers'[Order]) = 12, [GM $] / 1000000,

MAX('P & L Row headers'[Order]) = 13, [GM %] \* 100,

MAX('P & L Row headers'[Order]) = 14, [GM / Unit],

MAX('P & L Row headers'[Order]) = 15, [Total Operational Expense] / 1000000,

MAX('P & L Row headers'[Order]) = 16, [Net Profit $] / 1000000,

MAX('P & L Row headers'[Order]) = 17, [Net Profit %] \* 100

)

RETURN

IF(HASONEVALUE('P & L Row headers'[P & L Metrics Description]),res,[NS $]/1000000)