

Excel:

More on Add
Function from Grid

Create a ModelNumber LAMBDA

| | A | B | C | D | E |
|---|---|-------------|----------------|-----------------|--------------------|
| 1 | | | | | |
| 2 | | Year | Quarter | Category | SalesAmount |
| 3 | | 2010 | Q4 | Bikes | \$ 43,421 |
| 4 | | 2011 | Q1 | Bikes | \$ 1,421,357 |
| 5 | | 2011 | Q2 | Bikes | \$ 1,801,595 |
| 6 | | 2011 | Q3 | Bikes | \$ 1,814,388 |
| 7 | | 2011 | Q4 | Bikes | \$ 2,038,185 |

Some sales data by quarter

Name for the new LAMBDA goes over the final step

Names to use in LET within LAMBDA

A four-step process to calculate a model number

| | H | I | J | K |
|-----------------------|--------------------|----------------------|---------------------------|--------------------|
| | YearQuarter | CategoryStart | CategoryStartUpper | ModelNumber |
| | 2010-Q4 | Bike | BIKE | BIKE-2010-Q4 |
| Step by step formulas | | | | |
| H3 | =B3&"-"&C3 | | | |
| I3 | =LEFT(D3,4) | | | |
| J3 | =UPPER(I3) | | | |
| K3 | =J3&"-"&H3 | | | |

Select the calculation and headers

The screenshot shows an Excel spreadsheet on the left and the Advanced Formula Environment (AFE) window on the right. In the spreadsheet, a range of cells (H2:K3) is selected, containing a table with headers 'YearQuarter', 'CategoryStart', 'CategoryStartUpper', and 'ModelNumber'. A red arrow points from the text 'Select the calculation and headers' to this range. In the AFE window, the 'Grid' tab is active, and a red arrow points from the text 'Click "Add function from grid" in AFE' to the 'Add function from grid' button in the bottom right corner.

| YearQuarter | CategoryStart | CategoryStartUpper | ModelNumber |
|-------------|---------------|--------------------|--------------|
| 2010-Q4 | Bike | BIKE | BIKE-2010-Q4 |

Click "Add function from grid" in AFE

"Range" box is populated with selected range

Type the parameter range here

Extract formulas from the grid into a function, by pulling out a calculation split into steps across several cells into a reusable function. The input cells will become parameters to the function.

Range containing the calculation

Cells to treat as parameters

Output cell

[Preview](#) [Cancel](#)

The screenshot shows an Excel spreadsheet on the left and the 'Advanced Formula Environment' window on the right. The spreadsheet has columns G through K. Row 2 contains headers: 'YearQuarter', 'CategoryStart', 'CategoryStartUpper', and 'ModelNumber'. Row 3 contains data: '2010-Q4', 'Bike', 'BIKE', and 'BIKE-2010-Q4'. The 'Advanced Formula Environment' window has tabs for 'Grid', 'Names', and 'Modules'. A red arrow points from the 'Add function from grid' button in the window to the 'ModelNumber' header in the spreadsheet.

| YearQuarter | CategoryStart | CategoryStartUpper | ModelNumber |
|-------------|---------------|--------------------|--------------|
| 2010-Q4 | Bike | BIKE | BIKE-2010-Q4 |

Function name
is populated
automatically
from header
over final step

LET variables
take names
from row 2

Function name

ModelNumber

Refers to

```
=LAMBDA(_C3, _B3, _D3,  
  LET(  
    YearQuarter, _B3 & "-" & _C3,  
    CategoryStart, LEFT(_D3, 4),  
    CategoryStartUpper, UPPER(CategoryStart),  
    CategoryStartUpper & "-" & YearQuarter  
  )  
)
```

Create Back

For a walkthrough on this feature and more videos on LAMBDA...



<https://www.youtube.com/@flexyourdata>