6 Step Process for Debugging DAX Formulas

1 Detect Initial Filters

Day Type	Country	2001	2002	2003	2004	Total
☐ Weekday	Australia	$447,158	$690,280	$996,041	$859,125	$2,992,604
■ Weekend	Canada	$48,420	$200,459	$189,935	$210,302	$649,115
	France	$66,602	$155,434	$304,789	$258,098	$784,923
	Germany	$72,320	$179,794	$301,623	$338,924	$892,661
	United Kingdom	$92,975	$205,044	$374,421	$367,090	$1,039,530
	United States	$386,286	$570,091	$884,663	$1,060,386	$2,901,426
	Total	$1,113,762	$2,001,101	$3,051,473	$3,093,925	$9,260,261

- Select a single cell in a visual.
- Determine ALL filters that are affecting this cell.
  - Rows
  - Columns
  - Slicers
  - Filters
  - Cross Filters from other visuals
- These are the "initial" set of filters.

2 Apply Filters from CALCULATE

If there is a filter applied by a calculate then add, modify, remove filters as appropriate. This is then the final set of filters. Note that a CALCUATE could be in the formula in the selected cell or in another formula referenced by the cell.

3 Filter All Required Tables

One by one, apply these filters in the data model.

4 Follow the Relationships

If the tables receiving the filters in step 3 are joined, follow the relationships in the direction indicated.

5 Complete the Calculation

Then and only then do you complete the calculation on the "filtered copy" of the data model.

6 Return the Result to the Cell

Get the result and return it to the cell.