How to Fix Multiple Records in Power BI

April 28th, 2021

By Justin Song, Senior BI Analyst

Recently I was working in Power BI with Sales Order Archives data in Dynamics 365 Business Central, creating visuals with sales order amounts as my measure. I then found I had multiple records with different dates or versions.

When I looked at my visuals, Power BI showed much higher numbers than I expected. I looked at the data and found that there were multiple records for the same sales order number, but different versions and dates archived. Some orders had 4 or 5 different versions, as seen in the screenshot below:

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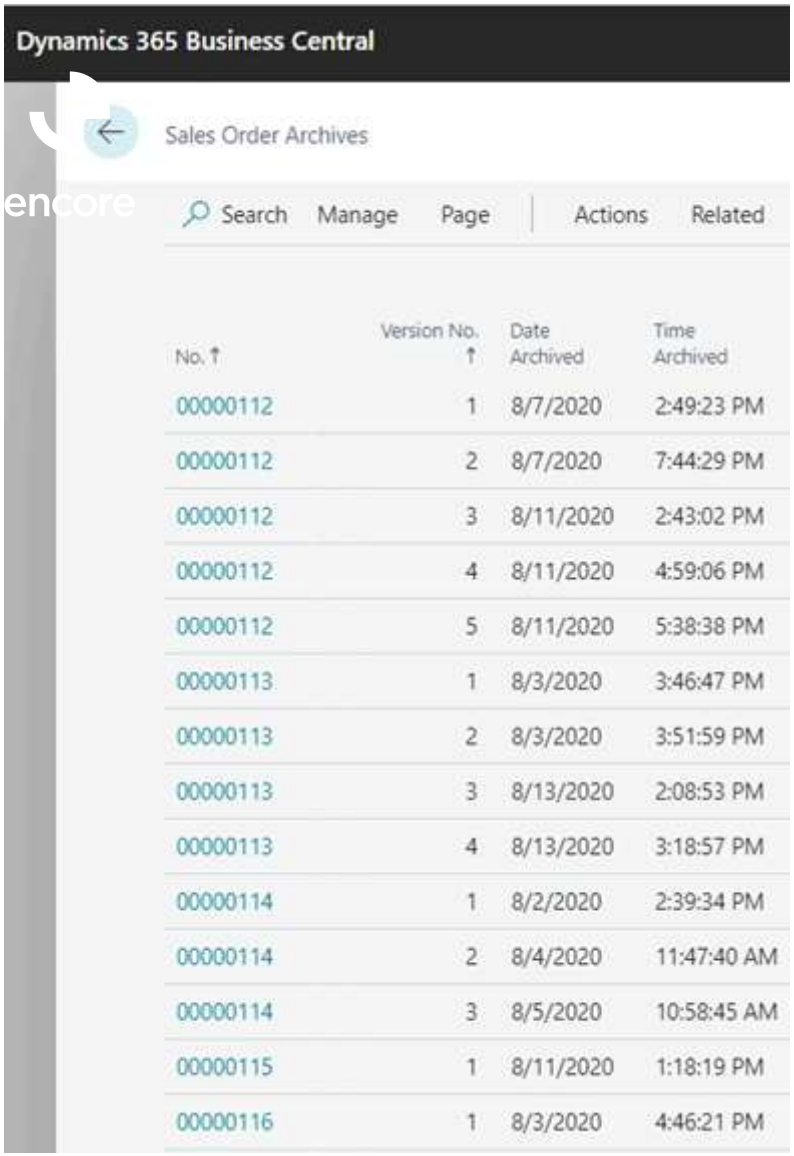

So how do you keep or use the most recent records only, to avoid this double counting issue? The answer is you can do it with either Power Query or Data Analysis Expressions (DAX).

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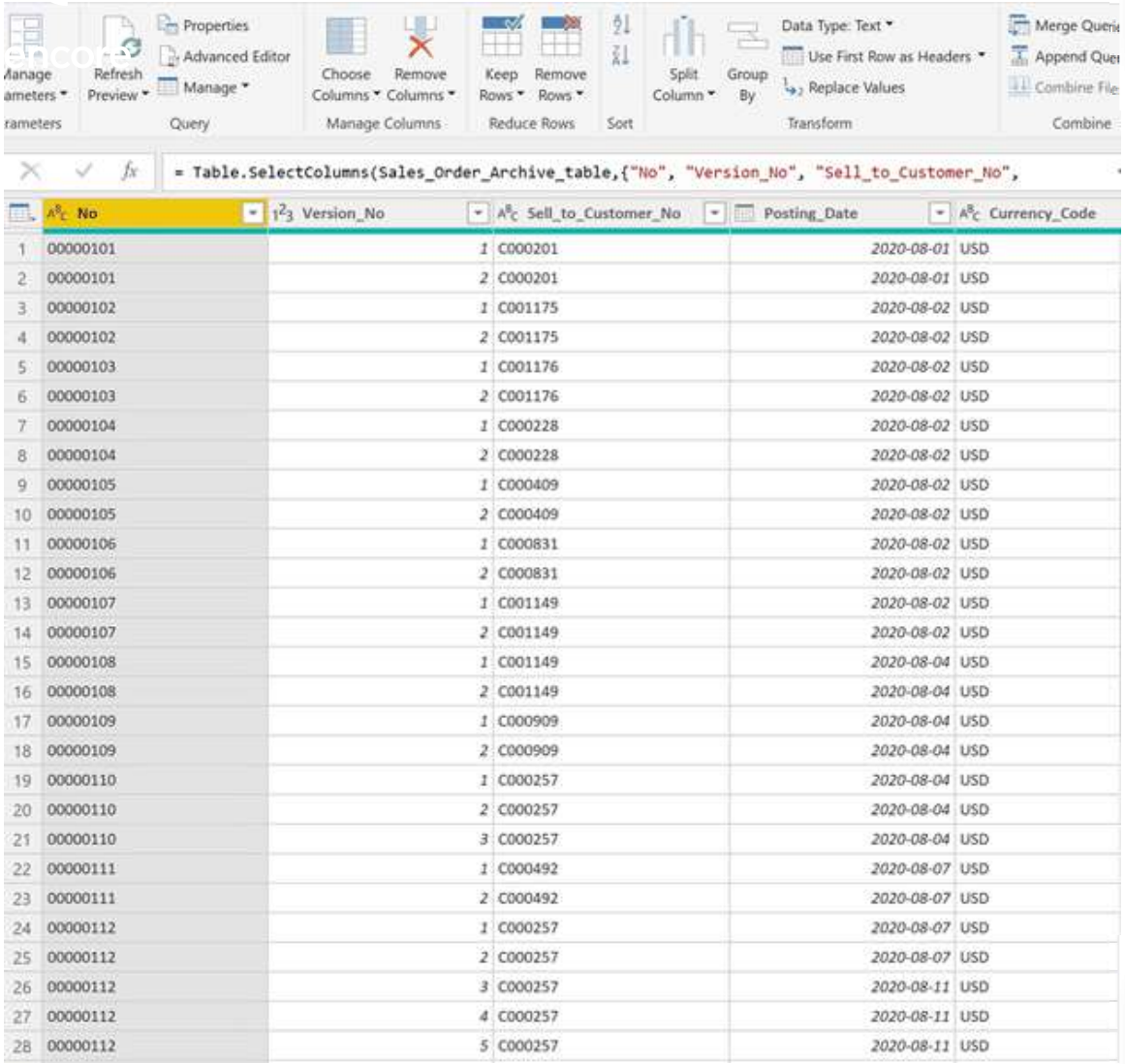
Power Query Method



	No	Version_No	Sell_to_Customer_No	Posting_Date	Currency_Code
1	00000101	1	C000201	2020-08-01	USD
2	00000101	2	C000201	2020-08-01	USD
3	00000102	1	C001175	2020-08-02	USD
4	00000102	2	C001175	2020-08-02	USD
5	00000103	1	C001176	2020-08-02	USD
6	00000103	2	C001176	2020-08-02	USD
7	00000104	1	C000228	2020-08-02	USD
8	00000104	2	C000228	2020-08-02	USD
9	00000105	1	C000409	2020-08-02	USD
10	00000105	2	C000409	2020-08-02	USD
11	00000106	1	C000831	2020-08-02	USD
12	00000106	2	C000831	2020-08-02	USD
13	00000107	1	C001149	2020-08-02	USD
14	00000107	2	C001149	2020-08-02	USD
15	00000108	1	C001149	2020-08-04	USD
16	00000108	2	C001149	2020-08-04	USD
17	00000109	1	C000909	2020-08-04	USD
18	00000109	2	C000909	2020-08-04	USD
19	00000110	1	C000257	2020-08-04	USD
20	00000110	2	C000257	2020-08-04	USD
21	00000110	3	C000257	2020-08-04	USD
22	00000111	1	C000492	2020-08-07	USD
23	00000111	2	C000492	2020-08-07	USD
24	00000112	1	C000257	2020-08-07	USD
25	00000112	2	C000257	2020-08-07	USD
26	00000112	3	C000257	2020-08-11	USD
27	00000112	4	C000257	2020-08-11	USD
28	00000112	5	C000257	2020-08-11	USD

Right click on No > Group By:

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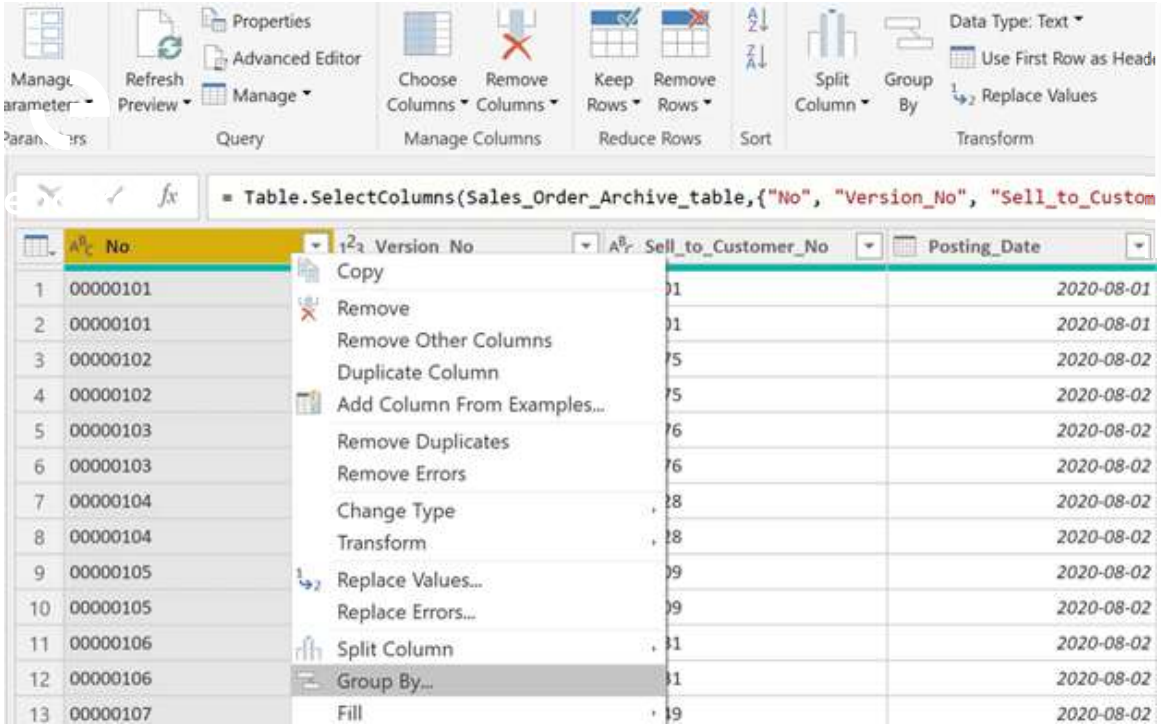
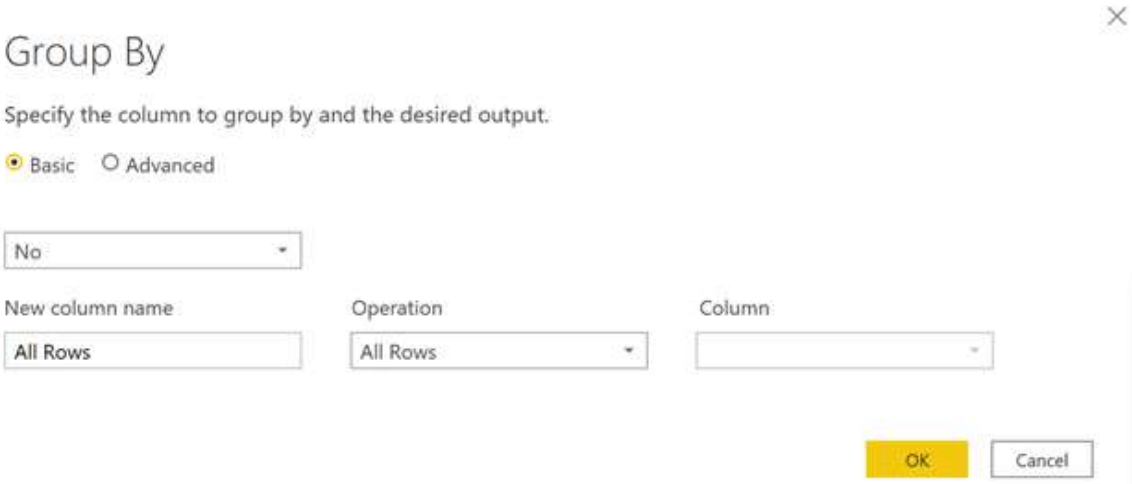


Enter New column name, select “All Row” for Operation:



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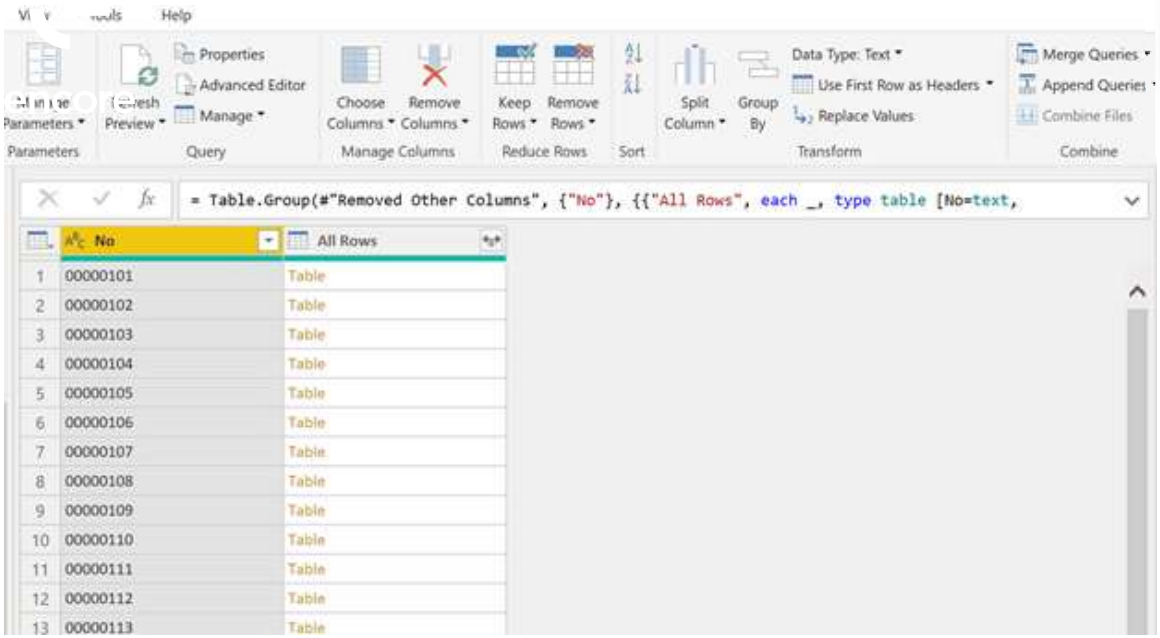
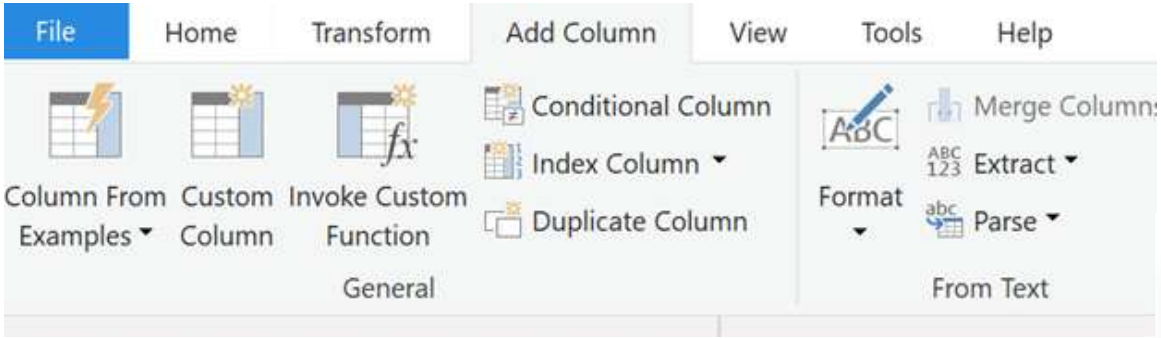
Rows are grouped by No as you see below. One row per one sales order number:



Add a Custom column:



Enter new column name and enter formula below:

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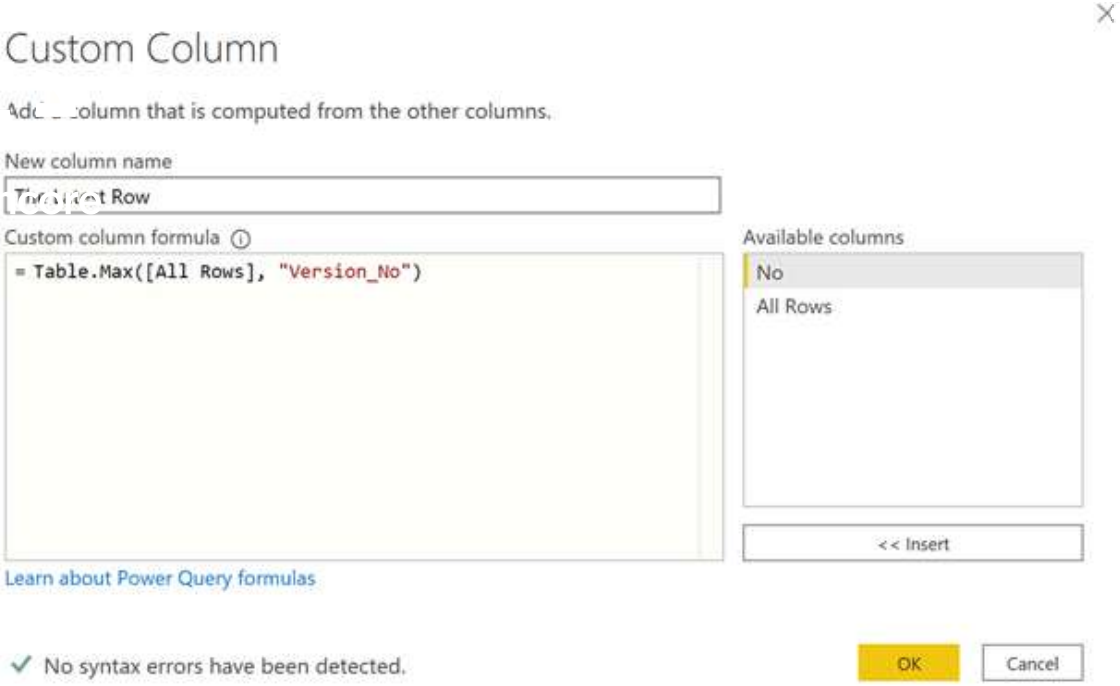

You will see new column with Record data type:

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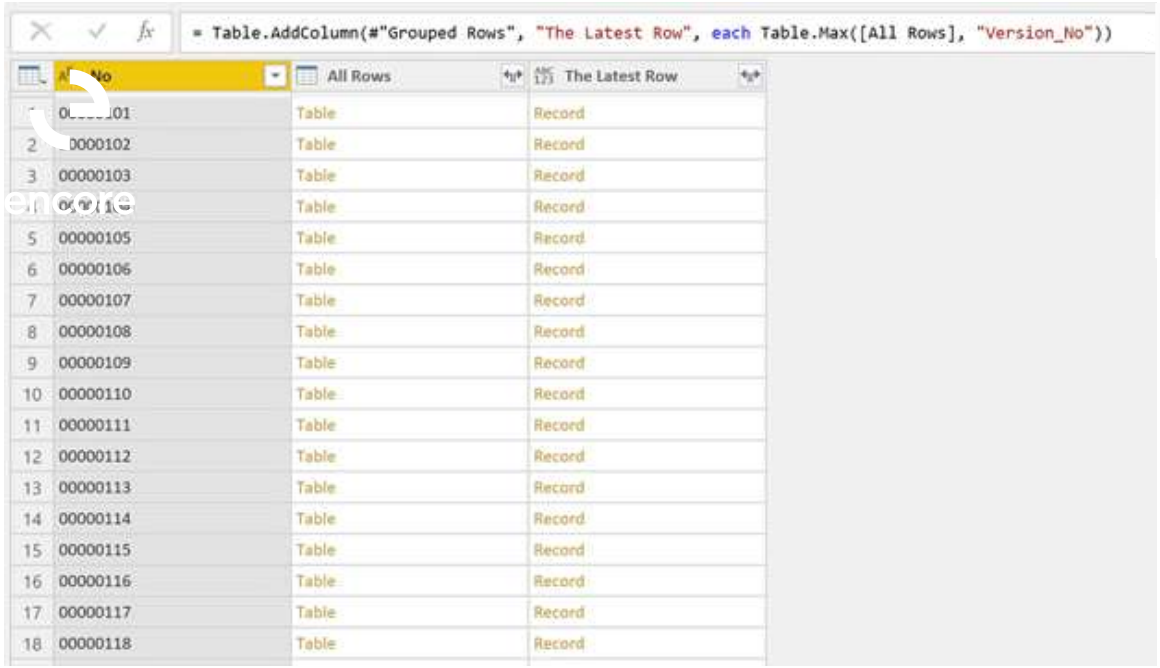

Expand “The Latest Row” column:

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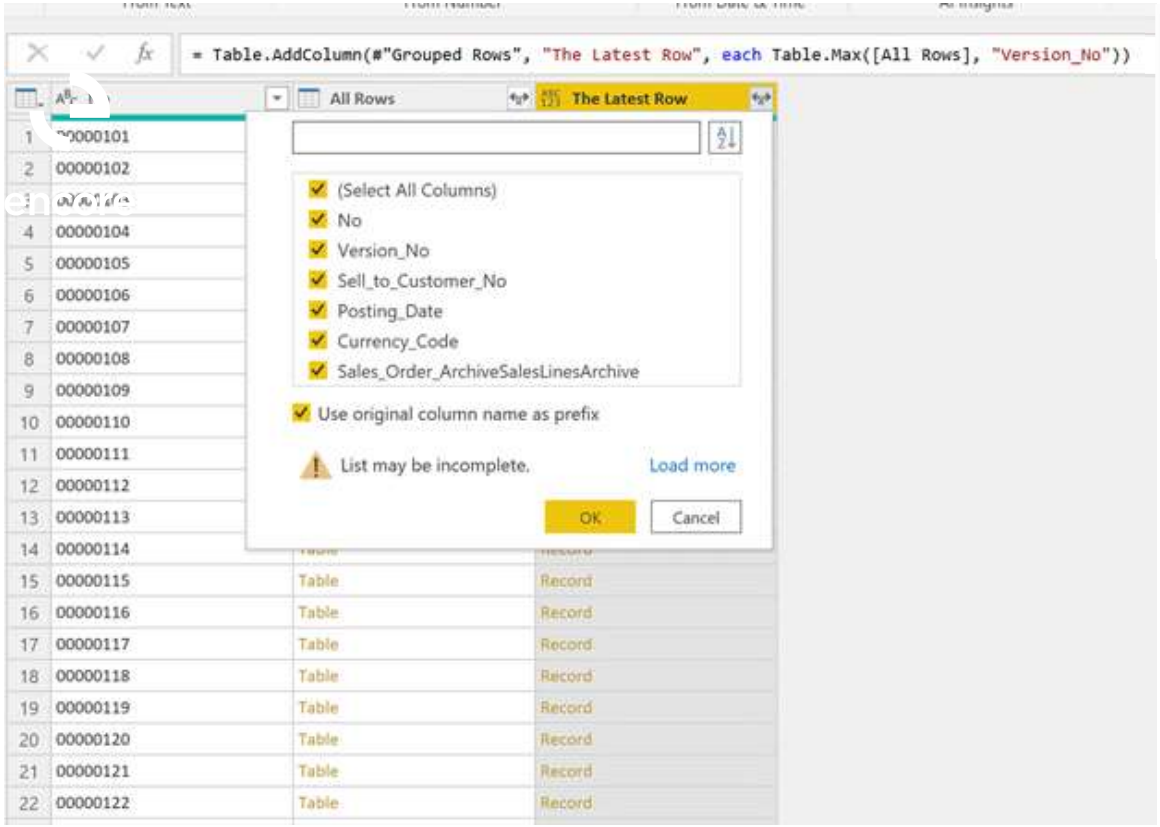

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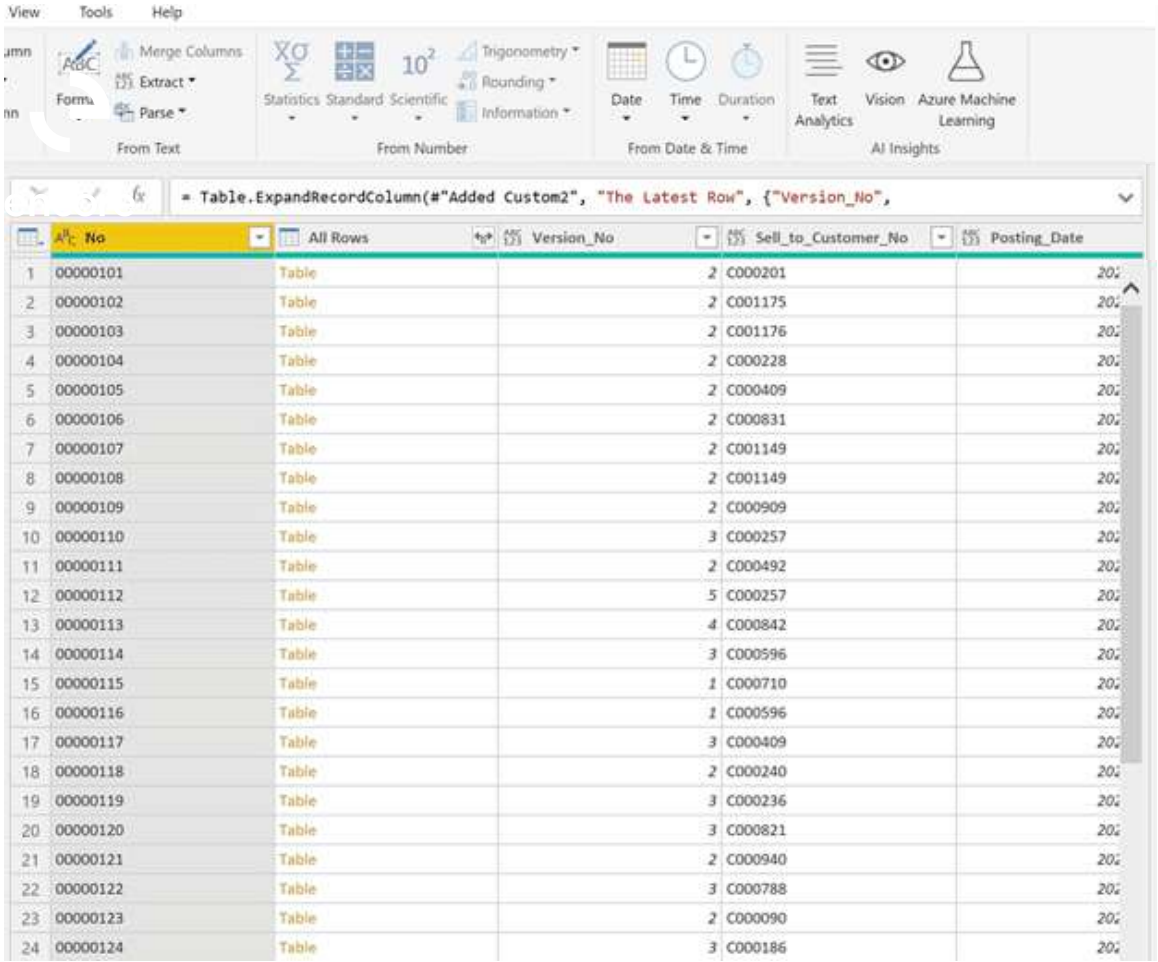

	No	All Rows	Version_No	Sell_to_Customer_No	Posting_Date
1	00000101	Table	2	C000201	202
2	00000102	Table	2	C001175	202
3	00000103	Table	2	C001176	202
4	00000104	Table	2	C000228	202
5	00000105	Table	2	C000409	202
6	00000106	Table	2	C000831	202
7	00000107	Table	2	C001149	202
8	00000108	Table	2	C001149	202
9	00000109	Table	2	C000909	202
10	00000110	Table	3	C000257	202
11	00000111	Table	2	C000492	202
12	00000112	Table	5	C000257	202
13	00000113	Table	4	C000842	202
14	00000114	Table	3	C000596	202
15	00000115	Table	1	C000710	202
16	00000116	Table	1	C000596	202
17	00000117	Table	3	C000409	202
18	00000118	Table	2	C000240	202
19	00000119	Table	3	C000236	202
20	00000120	Table	3	C000821	202
21	00000121	Table	2	C000940	202
22	00000122	Table	3	C000788	202
23	00000123	Table	2	C000090	202
24	00000124	Table	3	C000186	202

Data Analysis Expressions (DAX) Method

You can create a calculated column below in DAX to use it as a filter or slicer to keep the most records only.

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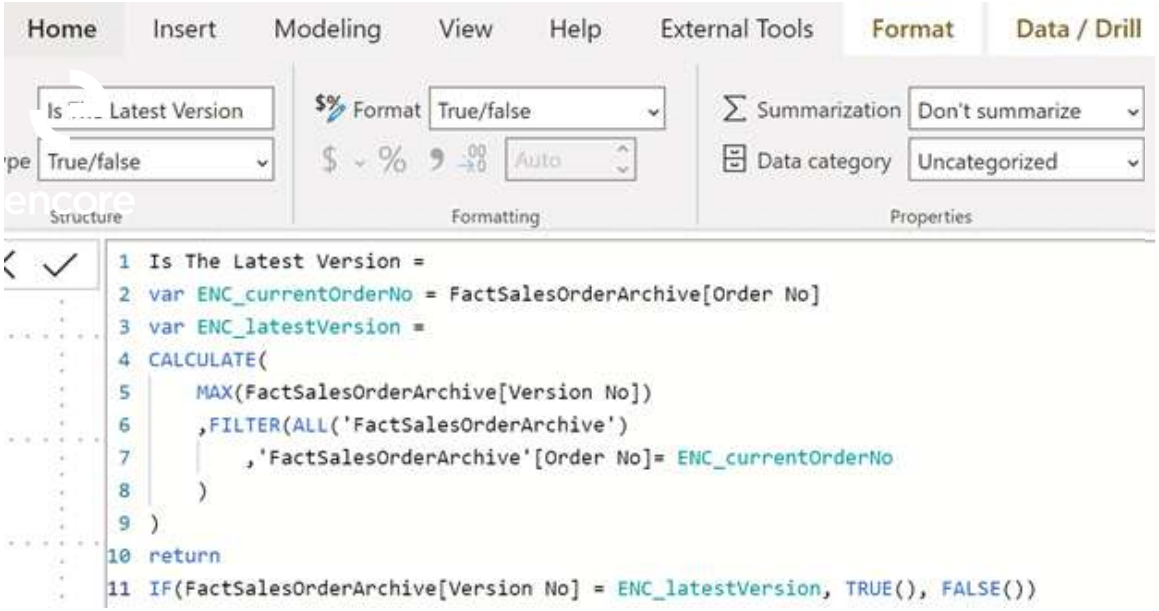

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Order No	Version No	Is The Latest Version
00000111	2	True
00000112	1	False
00000112	2	False
00000112	3	False
00000112	4	False
00000112	5	True
00000113	1	False
00000113	2	False
00000113	3	False
00000113	4	True
00000114	1	False
00000114	2	False
00000114	3	True
00000115	1	True
00000116	1	True
00000117	1	False
00000117	2	False
00000117	3	True
00000118	1	False
00000118	2	True
00000119	1	False

Which method works better for you all depends on your business and goals. If you need to analyze your data with all versions, the Data Analysis Expressions (DAX) method would be better. Otherwise, the Power Query method is better because it reduces number of rows and the size of the dataset.

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If you have any questions about using Power BI, please get in touch with us.

Categorized In: Power BI, Power Platform

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Author

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Justin is a highly qualified Senior Business Intelligence and Data Analyst who holds numerous professional certifications in accounting, business intelligence, project management, data, development and a wide range of technologies.

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