

## Compte Rendu BI

- La suppression des lignes vides

The screenshot shows the Power Query Editor interface. The query 'client' is selected in the Queries list. The formula bar contains the following M code: `Table.SelectRows(#"Changed Type", each not List.IsEmpty(List.RemoveMatchingItems(Record.FieldValues(_), {"",`. The data preview shows a table with 8 columns: num\_clt, nom\_clt, pnom\_clt, dn\_clt, gen\_clt, and nbenf\_clt. The 'nom\_clt' column contains names, and the 'dn\_clt' column contains dates. The 'gen\_clt' column contains gender values. The 'nbenf\_clt' column contains numerical values. The 'Query Settings' pane on the right shows the 'APPLIED STEPS' list, which includes 'Removed Blank Rows'.

- La mise de la première lettre en Majuscule du Nom et du Prénom

The screenshot shows the Power Query Editor interface. The query 'client' is selected in the Queries list. The formula bar contains the following M code: `Table.ReorderColumns(#"Renamed Columns1",{ "num_clt", "nom_clt", "prenom_clt", "dn_clt", "gen_clt", "nbenf_clt",`. The data preview shows a table with 7 columns: num\_clt, nom\_clt, prenom\_clt, dn\_clt, gen\_clt, and nbenf\_clt. The 'nom\_clt' column contains names, and the 'prenom\_clt' column contains first names. The 'dn\_clt' column contains dates, and the 'gen\_clt' column contains gender values. The 'nbenf\_clt' column contains numerical values. The 'Query Settings' pane on the right shows the 'APPLIED STEPS' list, which includes 'Reordered Columns1'.

- la fusion du nom et prénom dans une seule ligne

Table: ReorderColumns(\*Renamed Columns1\*, {"num\_clt", "nom\_clt", "prenom\_clt", "dn\_clt", "gen\_clt", "nbenf\_clt", ...})

Query Settings

PROPERTIES

Name: client

APPLIED STEPS

- Source
- Navigation
- Promoted Headers
- Changed Type
- Removed Blank Rows
- Removed Columns
- Sorted Rows
- Inserted Capitalize Each W...
- Removed Columns1
- Renamed Columns
- Reordered Columns
- Inserted Capitalize Each W...
- Removed Columns2
- Renamed Columns1
- Reordered Columns1

Table: RenameColumns(\*Inserted Merged Column\*, {"Merged", "full\_name\_clt"})

Query Settings

PROPERTIES

Name: client

APPLIED STEPS

- Promoted Headers
- Changed Type
- Removed Blank Rows
- Removed Columns
- Sorted Rows
- Inserted Capitalize Each W...
- Removed Columns1
- Renamed Columns
- Reordered Columns
- Inserted Capitalize Each W...
- Removed Columns2
- Renamed Columns1
- Reordered Columns1
- Inserted Merged Column
- Renamed Columns2

- le calcul de d'âge d'après la date de naissance

Table: TransformColumnTypes(\*Calculated Total Years\*,[{Age", Int64.Type}])

client	gen_cit	sbout_cit	sexe_prof	full_name_cit	Age
1	10/02/1970	femme	2	11 Zohra Amor	52
2	26/10/1990	homme	2	2 Zied Loukil	32
3	13/10/1988	femme	0	7 Youna Moud	33
4	05/02/1994	femme	2	7 Soumaya Michel	27
5	07/12/1988	femme	4	2 Sana Bouattar	35
6	08/08/1956	f	1	9 Sana Heurt	65
7	21/02/2000	femme	2	3 Sana Ben Salah	22
8	14/02/1980	femme	2	3 Samia Amor	42
9	09/12/1983	homme	3	12 Sami Kechou	38
10	12/01/2002	f	3	11 Samir Kotti	19
11	12/02/2001	femme	2	3 Samir Agli	21
12	14/04/1959	femme	3	8 Salouha Harmane	63
13	02/05/1953	masculin	2	6 Salah Amor	69
14	27/01/1988	masculin	2	5 Salah Bouassida	34
15	06/05/1995	femme	1	4 Sahar Ben Amor	27
16	06/08/1980	femme	1	4 Sahar Behi	41
17	26/01/1959	femme	2	11 Sahar Wenda	63
18	26/02/1980	femme	2	10 Rahma Diammak	42
19	25/04/1985	male	0	8 Chusma Zouari	37
20					

- on détermine le genre d'après une requête conditionnel

Table: RenameColumns(\*Removed Columns3\*,[{Custom", "gen\_cit"}])

client	inconnu_cit	de_cit	Age	gen_cit	sbout_cit	sexe_prof
1		10/02/1970	51	femme		2
2	il	26/10/1990	31	homme		2
3		13/10/1988	33	femme		0
4	ji	05/02/1994	27	femme		2
5	giz	07/12/1988	35	femme		4
6	j	08/08/1956	65	femme		1
7	salah	21/02/2000	22	femme		3
8		14/02/1980	42	femme		3
9	un	09/12/1983	38	homme		3
10		12/01/2002	19	femme		3
11		12/02/2001	21	femme		2
12	hami	14/04/1959	63	femme		3
13		02/05/1953	69	homme		2
14	issia	27/01/1988	34	homme		2
15	lmar	06/05/1995	27	femme		1
16		06/08/1980	41	femme		1
17	la	26/01/1959	63	femme		2
18	mak	26/02/1980	42	femme		3
19	ji	25/04/1985	37	homme		0
20						

- on détermine le statut d'après une requête conditionnel

The screenshot displays the Microsoft Power Query Editor interface. The main window shows a table with columns: client, gen\_cit, status\_cit, about\_cit, num\_prof, and full\_name\_cit. The table contains 20 rows of data. The right sidebar shows the 'Query Settings' pane with 'PROPERTIES' and 'APPLIED STEPS' sections. The 'APPLIED STEPS' list includes 'Renamed Columns1', 'Reordered Columns1', 'Inserted Merged Column1', 'Renamed Columns2', 'Inserted Age', 'Calculated Total Years', 'Changed Type1', 'Reordered Columns2', 'Added Conditional Column1', 'Reordered Columns3', 'Removed Columns3', 'Renamed Columns3', 'Added Conditional Column1', 'Renamed Columns4', and 'Reordered Columns4'. The bottom status bar indicates '10 COLUMNS, 240 ROWS' and 'Column profiling based on top 1000 rows'.

- on a fusionné le statut avec le nom et prénom

The screenshot displays the Microsoft Power Query Editor interface. The main workspace shows a table with the following columns: **client**, **status**, **client**, **year**, **prof**, **full\_name**, and **merged**. The data is organized into rows, with the first row being a header. The **merged** column contains a list of names, such as "Mme Zohra Amor", "M. Zied Loukil", "Mme Yosra Mrid", etc.

On the right side, the **Query Settings** pane is visible, showing the **PROPERTIES** tab. The **Name** property is set to "client". Below this, the **APPLIED STEPS** list is shown, which includes various transformations applied to the data, such as "Recorded Columns1", "Inserted Merged Columns", "Renamed Columns2", "Inserted Age", "Calculated Total Years", "Changed Type1", "Recorded Columns2", "Added Conditional Column", "Recorded Columns3", "Removed Columns3", "Renamed Columns3", "Added Conditional Column1", "Renamed Columns4", "Recorded Columns4", and "Inserted Merged Column1".