

Running Queries

There are several steps to run a query:

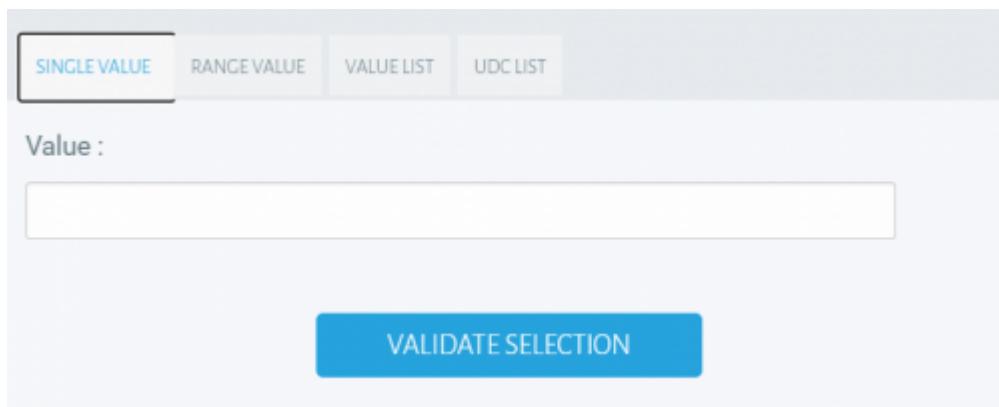
- Data selection.
- Format selection.
- Running and processing the result.

Data selection

After selecting the desired query, the user selects the data by clicking on the drop-down list. The selection can be made in several ways depending on the query to be launched (Single Value-Range Value-Value List-UDC List).

Single Value

Single value returns the result corresponding to the **single value** search.



The screenshot shows a user interface for data selection. At the top, there is a horizontal navigation bar with four tabs: 'SINGLE VALUE' (which is highlighted in blue), 'RANGE VALUE', 'VALUE LIST', and 'UDC LIST'. Below this bar is a text input field with the label 'Value :'. At the bottom of the interface is a blue button with the text 'VALIDATE SELECTION'.

Range Value

Range value allows you to select a defined data range between the lowest and highest value (Lower value / Upper value).

SINGLE VALUE **RANGE VALUE** VALUE LIST UDC LIST

Lower value :

Upper value :

VALIDATE SELECTION

Value List

Value list allows the user to create his list of values, to do this simply enter the value to be added in the “Value to add” field and click on the + on the right of the field.

SINGLE VALUE RANGE VALUE **VALUE LIST** UDC LIST

Value to add :

Values :

220

VALIDATE SELECTION

SINGLE VALUE RANGE VALUE **VALUE LIST** UDC LIST

Value to add :

 +

Values :

220
224
305

VALIDATE SELECTION

}

UDC List

UDC list displays the list of values available for the query. The user can select one or more values according to his needs. It is also possible to search for a specific value using the search bar. The search is flexible, it is not case sensitive.



The UDC List is only available for JDE databases and on Item, Customer, Cost Center, Company, and fields controlled by a UDC table.

Code Article ?

X

SINGLE VALUE RANGE VALUE VALUE LIST **UDC LIST**

VALIDATE SELECTION

Search value

Select	Key	Label
<input type="checkbox"/>	#2 PENCIL	#2 Pencil
<input type="checkbox"/>	1 LT SALINE	1 LT Saline1
<input type="checkbox"/>	1001	Bike Rack - Trunk Mount
<input type="checkbox"/>	100101	Bike Rack - Trunk Mount
<input type="checkbox"/>	100102	Bike Rack - Trunk Mount
<input type="checkbox"/>	100103	Bike Rack - Trunk Mount
<input type="checkbox"/>	100104	Bike Rack - Trunk Mount

Code Article ?

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SINGLE VALUE RANGE VALUE VALUE LIST **UDC LIST**

VALIDATE SELECTION

Search value

bikE

Select	Key	Label
<input type="checkbox"/>	1001	Bike Rack - Trunk Mount
<input type="checkbox"/>	100101	Bike Rack - Trunk Mount
<input type="checkbox"/>	100102	Bike Rack - Trunk Mount
<input type="checkbox"/>	100103	Bike Rack - Trunk Mount
<input type="checkbox"/>	100104	Bike Rack - Trunk Mount
<input type="checkbox"/>	100105	Bike Rack - Trunk Mount

Format selection

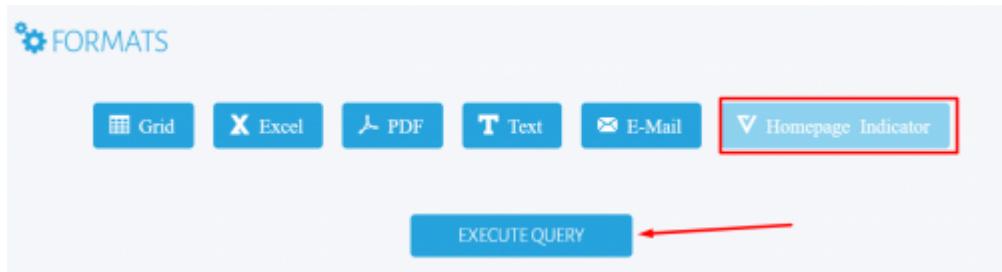
The user can select the output format for his query.

List of formats:

- Grid
- Excel

- PDF
- Text
- E-Mail
- Homepage Indicator

The **Homepage Indicator** format allows you to create an indicator with the result of the query. Its creation is simple, just select **Homepage Indicator** as the format and execute the query.

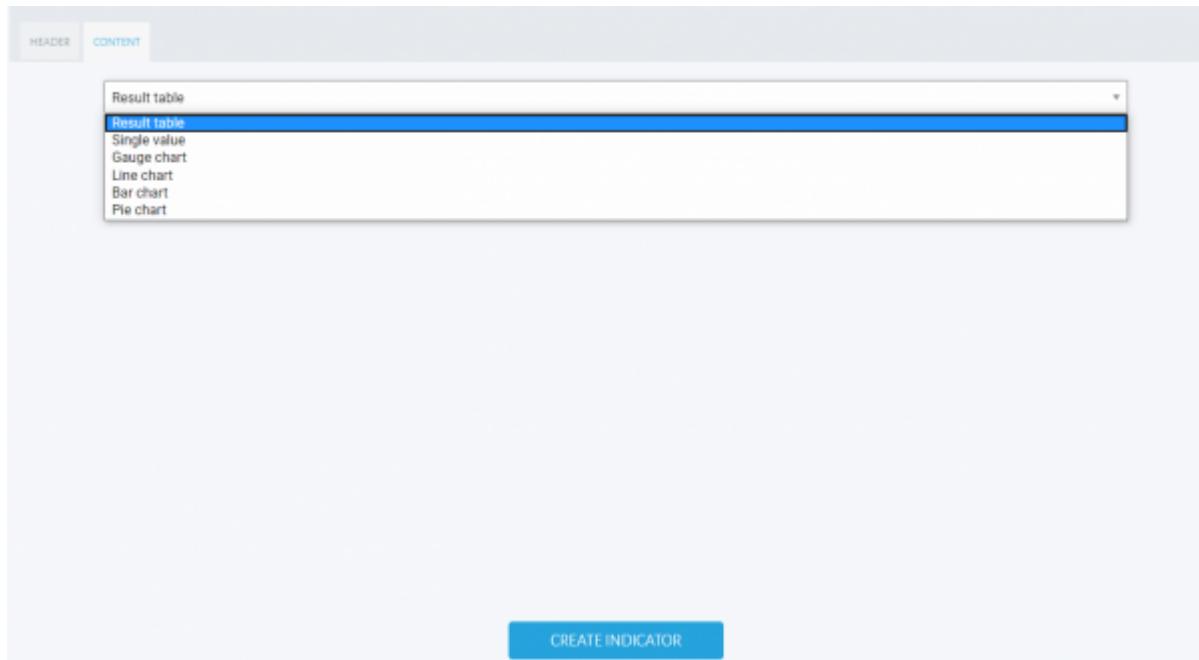


The user will fill in the tab **HEADER**, the title, description, level of visibility, and the refresh time. The parameters of the tab **CONTENT** will be displayed according to the type of result desired.

A screenshot of a configuration form for a 'Homepage Indicator'. The form is divided into two tabs: 'HEADER' (which is active) and 'CONTENT'. The 'HEADER' tab contains the following fields:

- Title:** A text input field.
- Description:** A text input field.
- Visibility:** A dropdown menu set to 'Creator only'.
- Refresh delay:** A numeric input field set to 0, followed by a dropdown menu set to 'minutes'.

At the bottom of the 'HEADER' tab is a blue 'CREATE INDICATOR' button.

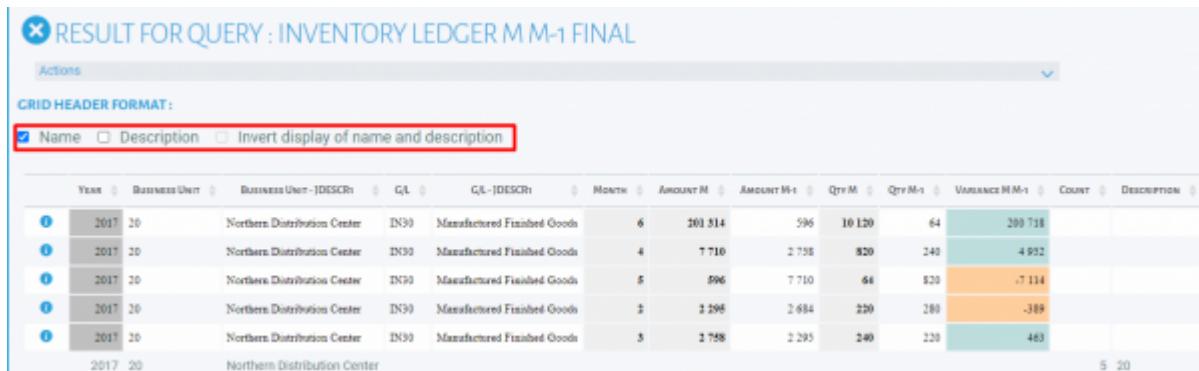


The screenshot shows a software interface with a 'HEADER' and 'CONTENT' tab. In the 'CONTENT' tab, a 'Result table' dropdown menu is open, listing options: 'Result table' (selected), 'Single value', 'Gauge chart', 'Line chart', 'Bar chart', and 'Pie chart'. Below the dropdown is a 'CREATE INDICATOR' button.

Running and processing the result

The query is launched by clicking on Execute query. Unlike other formats, **Grid** allows you to choose filters and perform actions on the result.

In **Grid** Format, the display of the name and description of the columns can be modified.



The screenshot shows a 'RESULT FOR QUERY: INVENTORY LEDGER M M-1 FINAL' grid. At the top, there is an 'Actions' section with a dropdown. Below it, a 'GRID HEADER FORMAT:' section has a checked 'Name' checkbox and an unchecked 'Description' checkbox. A button 'Invert display of name and description' is also present. The grid itself has columns: YEAR, BUSINESS UNIT, BUSINESS UNIT-1DESCR1, G/L, G/L-1DESCR1, MONTH, AMOUNT M, AMOUNT M-1, QTY M, QTY M-1, VARIANCE M M-1, COUNT, and DESCRIPTION. The data rows show various entries for Northern Distribution Center, such as 'Manufactured Finished Goods' and '2017 20 Northern Distribution Center'.

Also, the Actions section above the grid is the access point for additional changes.

- **Quick filtering:** allows a non-case sensitive search and search on all the columns returned.
- **Filter:** Allows filtering by Field/Operator/Value.
- **Only display level breaks**
- **Automatic line break:** Automatic column width adjustment.
- **Dynamic charts:** see below.
- **Export:** Exports data in formats (excel, text, or homepage indicator).

RESULT FOR QUERY : INVENTORY LEDGER M M-1 FINAL

Actions

GRID HEADER FORMAT:

Name Description Invert display of name and description

YEAR	BUSINESS UNIT	BUSINESS UNIT - IDESCR1	G/L	G/L - IDESCR1	MONTH	AMOUNT M	AMOUNT M-1	QTY M	QTY M-1	VARIANCE M/M-1	COUNT	DESCRIPTION
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	6	281 314	596	10 120	64	200 718	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	7 710	2 738	820	240	4 952	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	5	896	7 710	64	820	-7 114	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	2	2 285	2 684	220	280	-399	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	3	2 758	2 285	240	220	463	
	2017	20	Northern Distribution Center								5	20
1	2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	8	-1 135	-1 253 007	-18	-5 627	1 351 872	
1	2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	4	2 288 980	431 193	1 746	2 055	1 849 310	
1	2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	5	138 541	2 288 980	4 935	1 746	-2 141 962	
1	2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	6	55 771 288	138 541	334 743	4 935	55 632 717	
1	2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	2	118 436	7 494 728	605	153 918	-7 376 312	
1	2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	3	431 183	118 436	2 055	605	312 778	
1	2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	7	-1 383 687	55 771 288	-5 627	334 743	-57 124 269	
	2017	30	Eastern Distribution Center								7	20

RESULT FOR QUERY : INVENTORY LEDGER M M-1 FINAL

Actions

GRID HEADER FORMAT:

Name Description Invert display of name and description

QUICK FILTER

Apply a filter on all columns

GRID HEADER FORMAT:

Name Description Invert display of name and description

YEAR	BUSINESS UNIT	BUSINESS UNIT - IDESCR1	G/L	G/L - IDESCR1	MONTH	AMOUNT M	AMOUNT M-1	QTY M	QTY M-1	VARIANCE M/M-1	COUNT	DESCRIPTION
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	6	281 314	596	10 120	64	200 718	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	7 710	2 738	820	240	4 952	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	5	896	7 710	64	820	-7 114	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	2	2 285	2 684	220	280	-399	
1	2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	3	2 758	2 285	240	220	463	
	2017	20	Northern Distribution Center								5	20

Dynamic charts

Among these modifications, it is possible to generate a dynamic chart.

RESULT FOR QUERY : INVENTORY LEDGER M M-1 FINAL

Actions

GRID HEADER FORMAT:

Name Description Invert display of name and description

QUICK FILTER

Apply a filter on all columns

← PIVOT TABLE FOR QUERY : /DEMO/MOUVEMENT DE STOCK M M-1 FINAL

SAVE AS NEW FORMAT OVERWRITE SELECTED FORMAT DELETE SELECTED FORMAT

Table Count 1 --> Details 33

Year Business Unit Business Unit - JDESCRI G/L G/L - JDESCRI Month Amount M Amount M-1 Qty M Qty M-1

Options in the table:

- Free selection of columns.
- Choice of the type of calculation.
- Choice of the type of restitution.
- Possibility to filter the desired values by fields.

The screenshot shows a Pivot Table interface with a context menu open. The menu includes options for 'Nombre de valeurs uniques', 'Somme', 'Somme en entiers', 'Moyenne', 'Ratio de sommes', 'Borne supérieure 80%', 'Borne inférieure 80%', 'Somme en proportion du totale', 'Somme en proportion de la ligne', 'Somme en proportion de la colonne', 'Nombre en proportion du totale', 'Nombre en proportion de la ligne', and 'Nombre en proportion de la colonne'.

Calculation Type:

- Count: Counts the number of lines in a group.
- Count unique value: Counts the number of rows with different values for the specified field in a group.
- List unique Value: Displays the list of values for the specified field in the group without duplicates.
- Sum: Sum the values of the specified field for all rows in the group.

- Integer sum: Same as above, but displays a value rounded to an integer.
- Average: Averages the values of the specified field for each group.
- Minimum: Displays the minimum value of the specified field for each group.
- Maximum: Displays for each group the maximum value of the specified field.
- Sum over sum: For each group calculates the sum of each specified field, then performs the following ratio: "fields_1" / "fields_2".
- 80% Upper/Lower bound: Displays the maximum or minimum value of the 80% confidence interval.
- Sum as a fraction of Total: For each group makes the sum of the specified field values, then determines the percentage of this value compared to the table total, row total, or column total.
- Number in fraction of Row: For each group counts the number of rows, then determines the percentage of this value in relation to the total number of rows in the table, row, or column.

Return

Table

- Standard return.
- Choice of fields to compose the table freely.

Table	<table border="1"> <tr> <td>Moyenne</td><td>Expr6 : GetYear(SHTRDJ (F4201))</td></tr> <tr> <td>SDAEXP</td><td></td></tr> </table>	Moyenne	Expr6 : GetYear(SHTRDJ (F4201))	SDAEXP	
Moyenne	Expr6 : GetYear(SHTRDJ (F4201))				
SDAEXP					
SHCO					
SHCO - JODESCR1					
SHRYIN					
SHRYIN - JODESCR1					
SHRYIN - JODESCR2					
SHOTOT					
SHTOTC					
SDLND					
SDSRP1					
SDSRP1 - JODESCR2					
SDUORG					
SDUPRC					
SDAEXP					
SDUNCS					
SDECST					
Expr7 : GetMonth(SHTRDJ (F4201))					
Expr8 : GetDay(SHTRDJ (F4201))					

| SDSRP1 - JODESCR1 | | | | | | | | | | | | | | | |---------------------------------|-----------|----------|----------|-----------|-----------|------------|----------|------------|------------|------------|------------|-----------| | Expr6 : GetYear(SHTRDJ (F4201)) | 1997 | 1998 | 1999 | 2000 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | Totaux | | | SDSRP1 - JODESCR1 | 833,33 | 2,00 | 3 909,54 | 10 906,06 | -5,64 | 450 000,00 | 5 458,67 | | | | 5 983,88 | | | Catalogue section accessoires | | | | | | 23,27 | | 11 682,12 | 15 000,00 | | 11 738,54 | | | Catalogue section vélos | 12 650,00 | | 1 280,40 | | 3 159,99 | 12 555,67 | | 191 119,54 | 962 868,70 | 30 225,00 | 127 298,39 | | | | Totaux | 5 966,06 | 2,00 | 2 813,06 | 10 906,06 | 2 946,75 | 8 167,38 | 450 000,00 | 51 621,29 | 483 934,36 | 30 225,00 | 43 784,55 | |

SHCO	
SHCO - JODESCR1	
SHRYIN	
SHRYIN - JODESCR1	
SHRYIN - JODESCR2	
SHOTOT	
SHTOTC	
SDLND	
SDSRP1	
SDSRP1 - JODESCR2	
SDUORG	
SDUPRC	
SDAEXP	
SDUNCS	
SDECST	
Expr7 : GetMonth(SHTRDJ (F4201))	
Expr8 : GetDay(SHTRDJ (F4201))	

Table barchart

- Fills the background of the cell with a bar representing the contribution of this value in the row total.
- Choice of fields to compose the table freely.

Table avec barres	Moyenne	Expr6 : GetYear(SHTRDJ (F4201)) + SDAEXP	Expr6 : GetYear(SHTRDJ (F4201)) + SDAEXP											
SHCO +	SDSRP1 - JDESCR1 +	SDSRP1 - JDESCR1	Expr6 : GetYear(SHTRDJ (F4201))	1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	Totaux
SHCO - JDESCR1 +				833,33	2,88	3 009,54	10 000,00		-5,64	450 000,00	5 458,67			5 983,88
SHRYIN +														
SHRYIN - JDESCR1 +														
SHRYIN - JDESCR2 +														
SHOTOT +														
SHTOTC +														
SDUNID +														
SDSRP1 +														
SDSRP1 - JDESCR2 +														
SDUORG +														
SDUPRC +														
SDAEXP +														
SDUNCS +														
SDECST +														
Expr7 : GetMonth(SHTRDJ (F4201)) +														
Expr8 : GetDay(SHTRDJ (F4201)) +														}

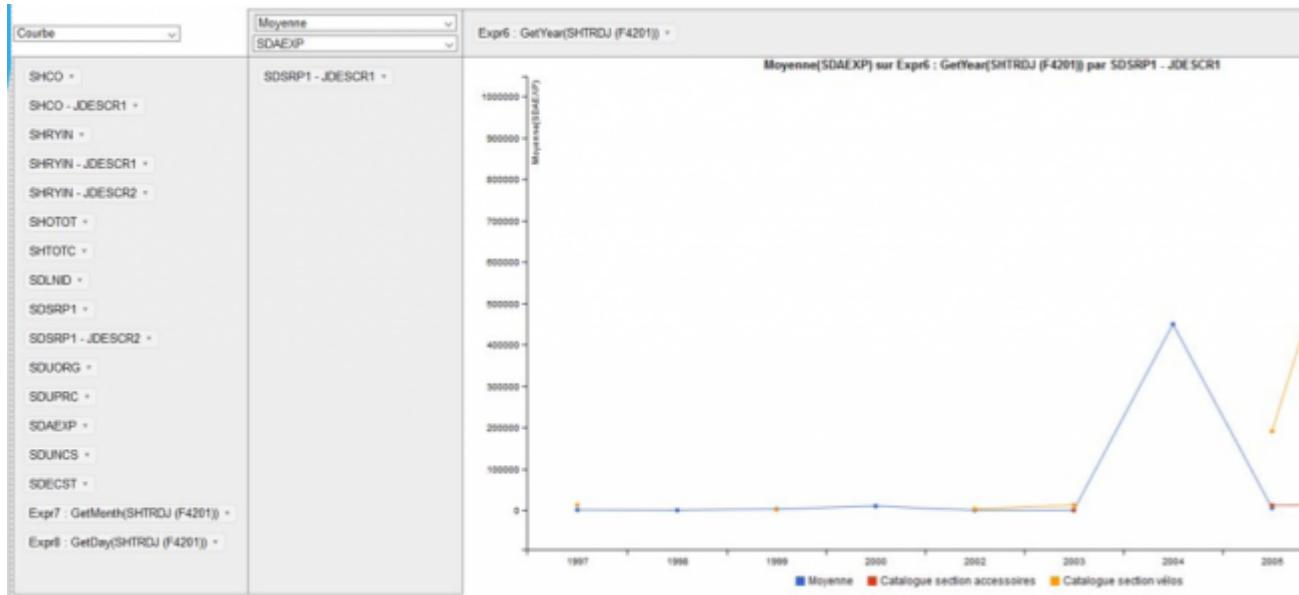
Heatmap

- Fills the background of the cell with a more or less strong shade of red depending on the contribution of the value in the total.
- The total taken into account may be the total of the table, the row or the column.
- Choice of fields to compose the table freely.

Carte de chaleur	Moyenne	Expr6 : GetYear(SHTRDJ (F4201)) + SDAEXP	Expr6 : GetYear(SHTRDJ (F4201)) + SDAEXP											
SHCO +	SDSRP1 - JDESCR1 +	SDSRP1 - JDESCR1	Expr6 : GetYear(SHTRDJ (F4201))	1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	Totaux
SHCO - JDESCR1 +				833,33	2,88	3 009,54	10 000,00		-5,64	450 000,00	5 458,67			5 983,88
SHRYIN +														
SHRYIN - JDESCR1 +														
SHRYIN - JDESCR2 +														
SHOTOT +														
SHTOTC +														
SDUNID +														
SDSRP1 +														
SDSRP1 - JDESCR2 +														
SDUORG +														
SDUPRC +														
SDAEXP +														
SDUNCS +														
SDECST +														
Expr7 : GetMonth(SHTRDJ (F4201)) +														
Expr8 : GetDay(SHTRDJ (F4201)) +														}

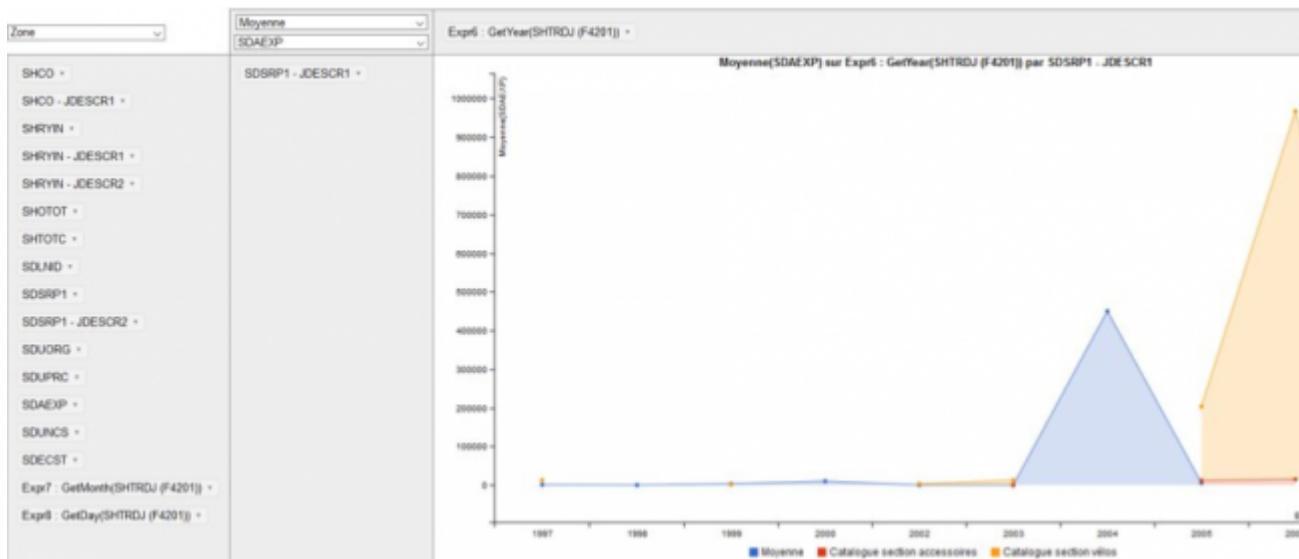
Curve

- Choice of fields to freely compose the curve.
- If intermediate points are missing, they are not extrapolated, leaving unconnected points.



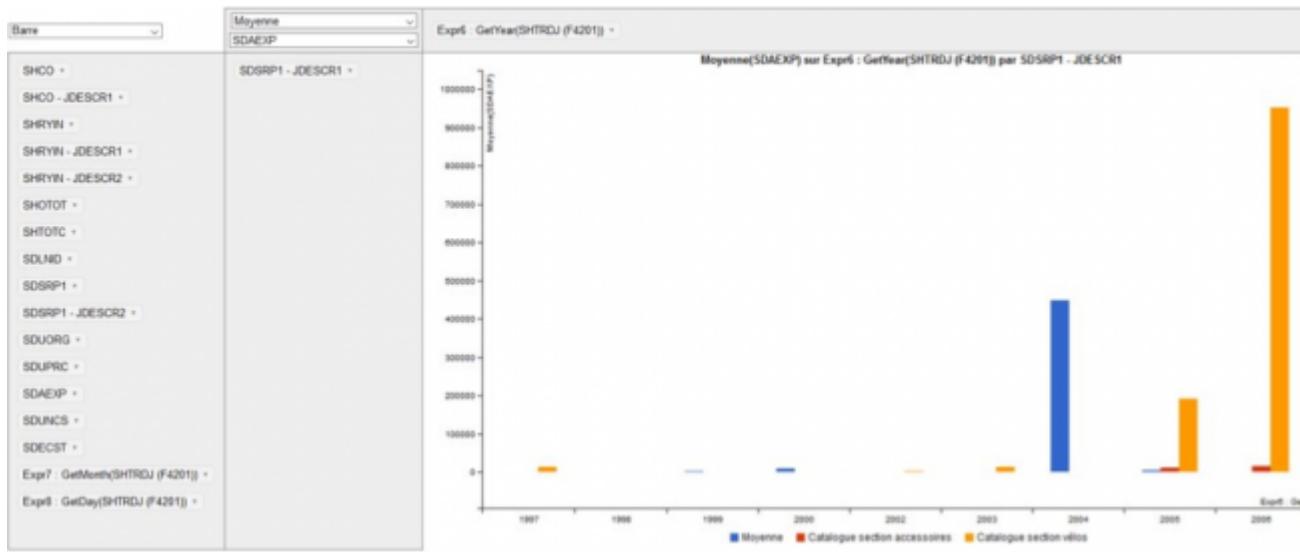
Zone

- Same as the curve but the area between the curve and the smallest value is colored.



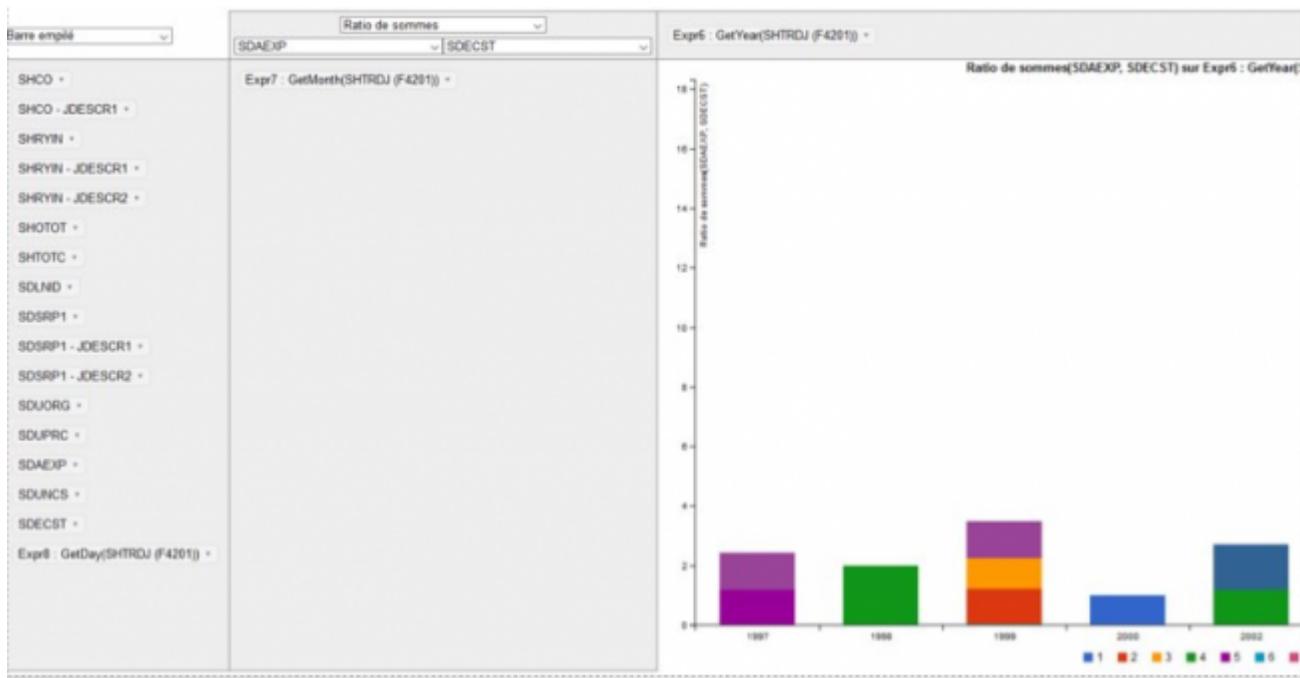
Bar chart

- Choice of fields to compose the graph freely.
- Colors and legend are done automatically.



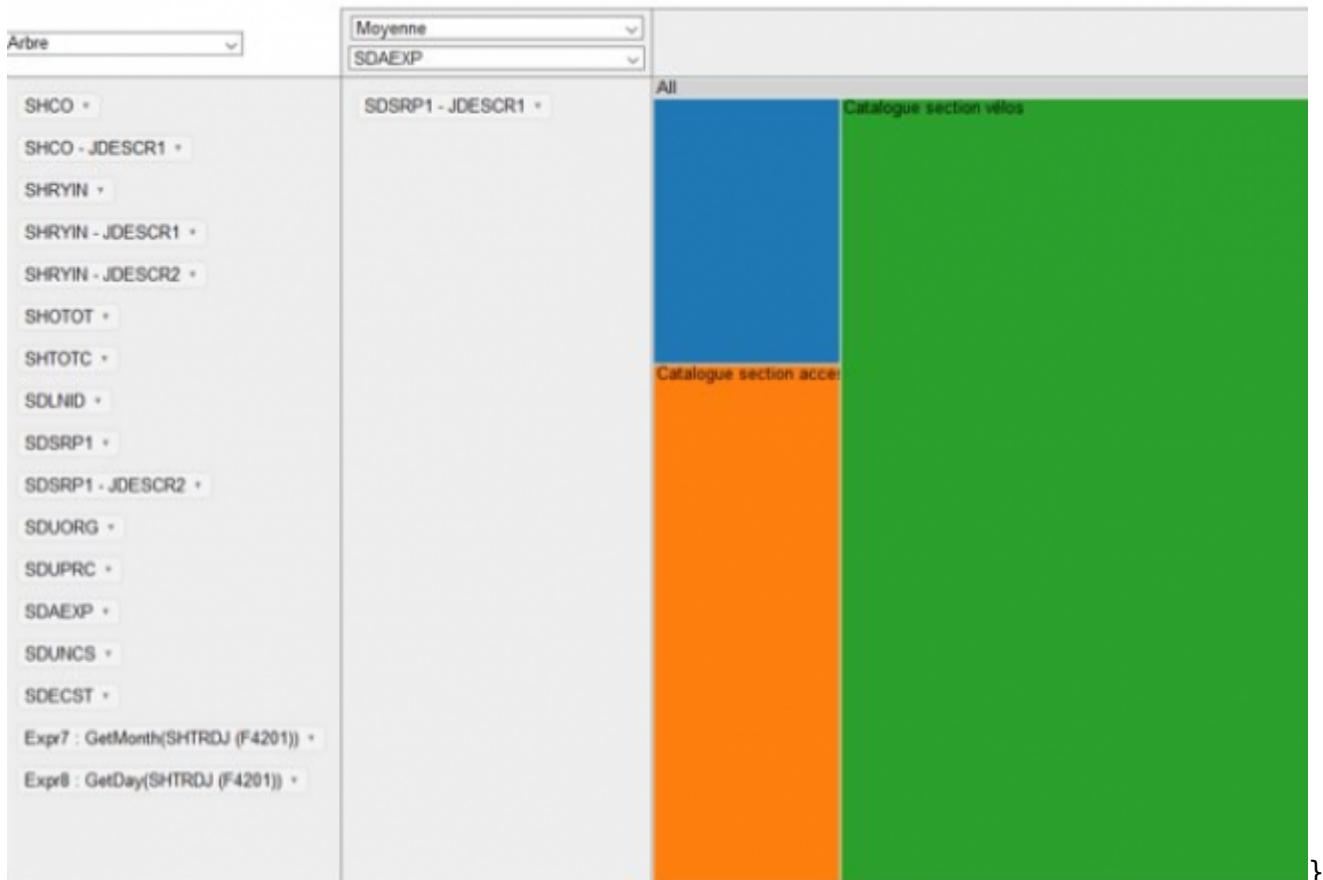
Stacked bar

- Same principle as bar rendering except that the values of the different groups are not shown side by side but are cumulative.



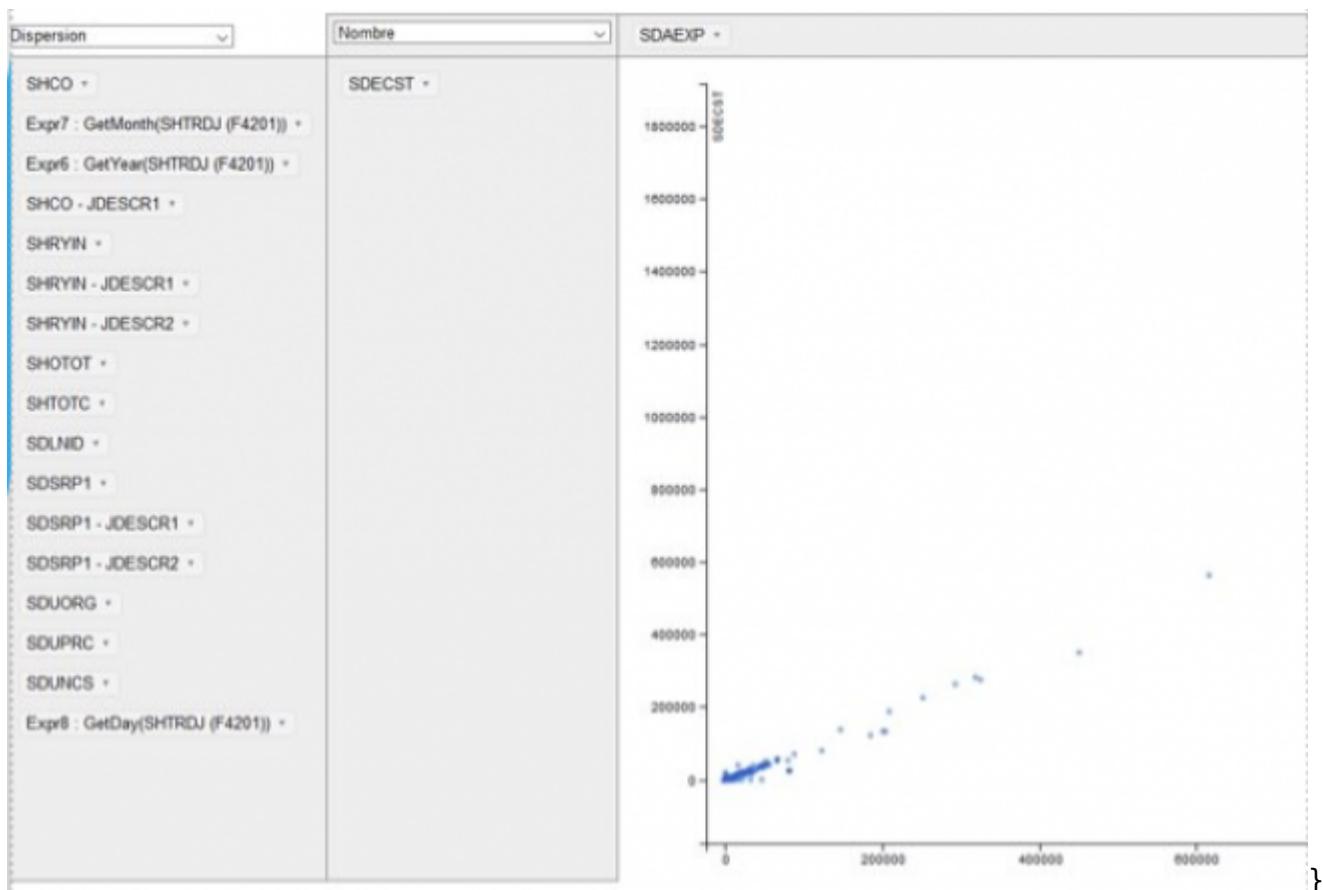
Treemap

- Choice of fields only in the header column of the dynamic table.
- The surface area of the elements is proportional to the ratio of their value on the total of the dynamic table.



Scatter

- Displays a point if a value exists in the data for a key corresponding to the torque (ordinate axis value, abscissa axis value).
- The type of calculation performed does not change the position of the points, but it does change the value indicated in the tooltip when passing over a point.



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