

# Running Queries

There are several steps to run a query:

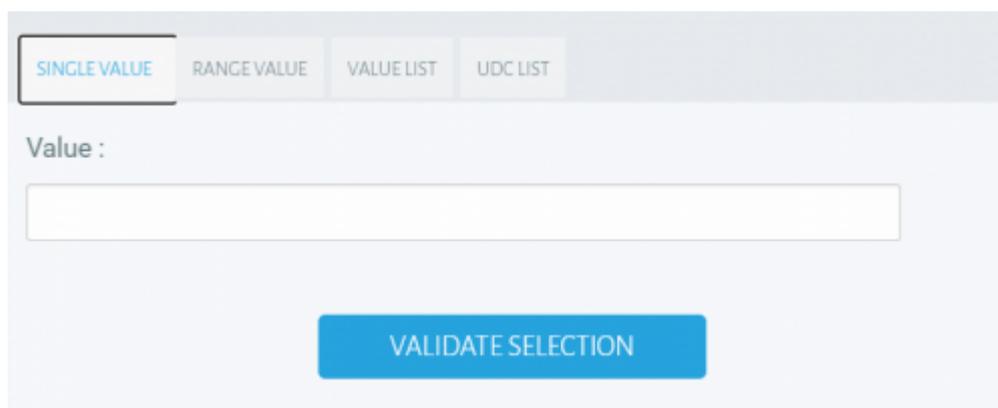
- Data selection.
- Format selection.
- Running and processing the result.

## 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 are four tabs: 'SINGLE VALUE' (which is selected and highlighted in blue), 'RANGE VALUE', 'VALUE LIST', and 'UDC LIST'. Below the tabs, the text 'Value :' is followed by a large, empty text input field. At the bottom center of the interface is a blue button labeled 'VALIDATE SELECTION'.

### Range Value

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

The screenshot shows a configuration interface with four tabs: 'SINGLE VALUE', 'RANGE VALUE', 'VALUE LIST', and 'UDC LIST'. The 'RANGE VALUE' tab is selected and highlighted with a blue border. Below the tabs, there are two input fields: 'Lower value :' and 'Upper value :', both of which are currently empty. At the bottom center of the interface is a blue button labeled '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.

The screenshot shows the same configuration interface but with the 'VALUE LIST' tab selected and highlighted. Below the tabs, there is a 'Value to add :' field containing the number '220'. To the right of this field is a small '+' icon, which is pointed to by a red arrow. Below the 'Value to add' field is a 'Values :' list box that contains the number '220'. At the bottom center of the interface is a blue button labeled 'VALIDATE SELECTION'.

SINGLE VALUE   RANCE 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 ?

SINGLEVALUE RANGEVALUE VALUE LIST **UDC LIST**

VALIDATE SELECTION

Q 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 ?

SINGLEVALUE RANGEVALUE VALUE LIST **UDC LIST**

VALIDATE SELECTION

Q 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

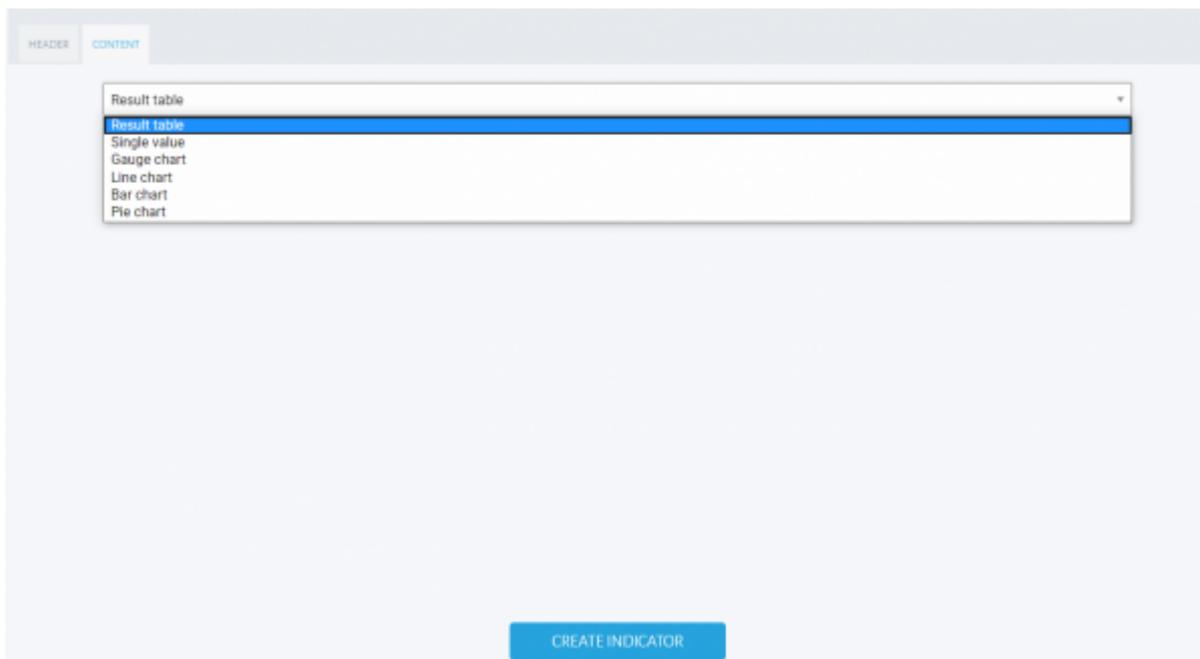
- PDF
- Text
- E-Mail
- Homepage Indicator

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.

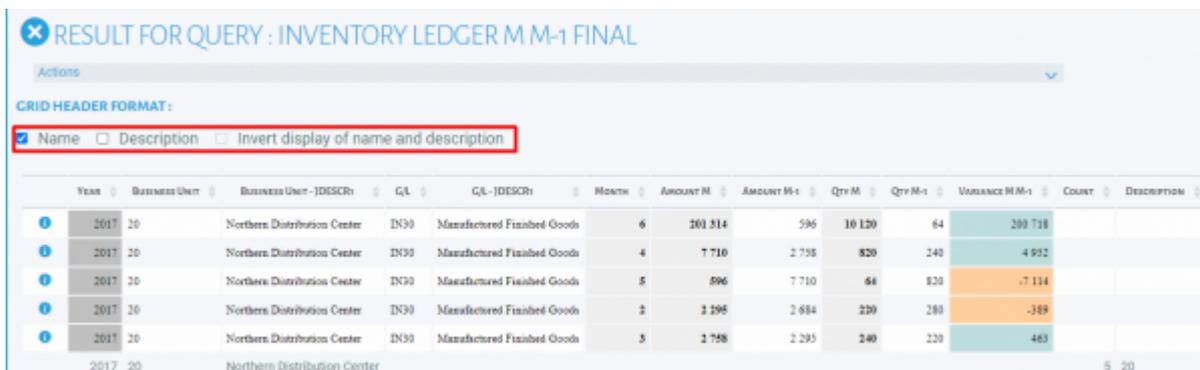
A screenshot of a configuration form for creating an indicator. At the top, there are two tabs: "HEADER" and "CONTENT", with "HEADER" selected. The form contains several input fields: "Title" (a text box with a blue button to its right), "Description" (a larger text area), "Visibility" (a dropdown menu currently showing "Creator only"), and "Refresh delay" (a text box containing "0" followed by the word "minutes"). At the bottom center of the form is a blue button labeled "CREATE INDICATOR".



## 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.



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 - IDESCR	GL	GL - IDESCR	Month	Amount M	Amount M-1	Qty M	Qty M-1	Variance M-M-1	Count	Description
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	280 334	596	10 120	64	200 718		
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	7 709	2 738	820	240	4 932		
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	5	896	7 730	64	820	-7 114		
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	2	2 295	2 684	220	280	-389		
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	3	2 758	2 295	240	220	463		
2017	20	Northern Distribution Center									5	20
2017	20	Eastern Distribution Center	IN30	Manufactured Finished Goods	5	-1 335	-1 353 007	-18	-5 627	1 351 672		
2017	20	Eastern Distribution Center	IN30	Manufactured Finished Goods	4	2 289 583	431 169	1 746	2 055	1 849 338		
2017	20	Eastern Distribution Center	IN30	Manufactured Finished Goods	5	138 541	2 280 503	4 935	1 746	-2 143 962		
2017	20	Eastern Distribution Center	IN30	Manufactured Finished Goods	6	55 771 258	138 541	334 743	4 935	55 632 717		
2017	20	Eastern Distribution Center	IN30	Manufactured Finished Goods	2	118 456	7 494 728	605	153 918	-7 376 312		
2017	20	Eastern Distribution Center	IN30	Manufactured Finished Goods	3	431 393	118 416	2 055	605	312 778		
2017	20	Eastern Distribution Center	IN30	Manufactured Finished Goods	7	-1 383 687	55 771 258	-5 627	334 743	-57 124 265		
2017	20	Eastern Distribution Center									7	20

RESULT FOR QUERY : INVENTORY LEDGER M M-1 FINAL

Actions

QUICK FILTER

Apply a filter on all columns

GRID HEADER FORMAT:

Name  Description  Invert display of name and description

Year	Business Unit	Business Unit - IDESCR	GL	GL - IDESCR	Month	Amount M	Amount M-1	Qty M	Qty M-1	Variance M-M-1	Count	Description
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	281 334	596	10 120	64	200 718		
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	7 709	2 738	820	240	4 932		
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	5	896	7 730	64	820	-7 114		
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2017	20	Northern Distribution Center									5	20

### Dynamic charts

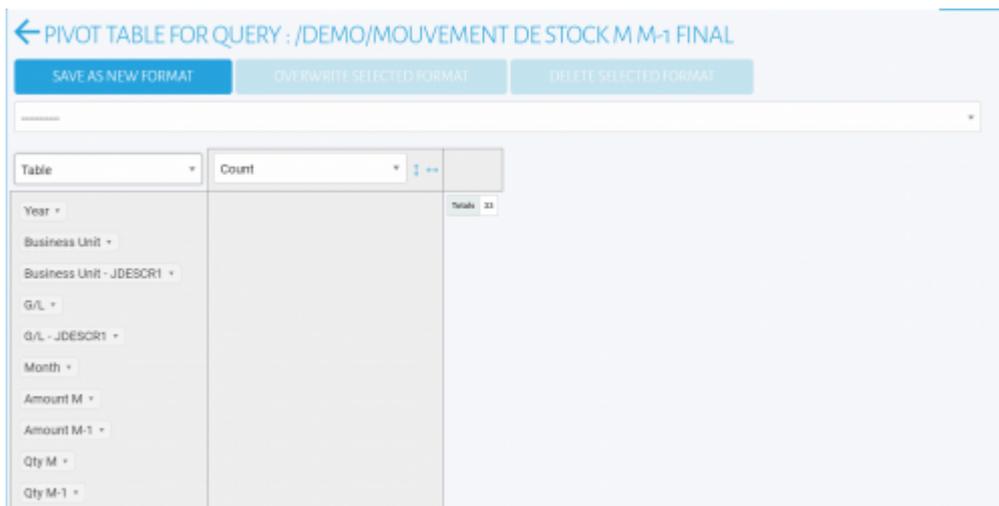
Among these modifications, it is possible to generate a dynamic chart.

RESULT FOR QUERY : INVENTORY LEDGER M M-1 FINAL

Actions

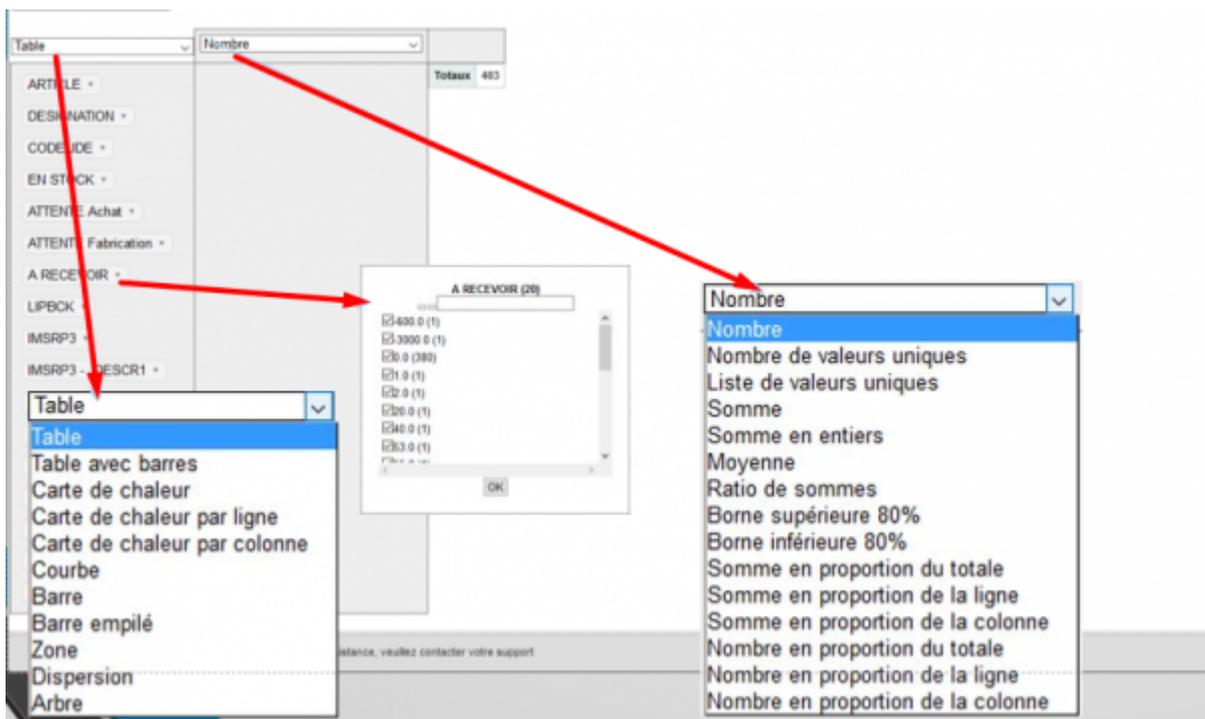
QUICK FILTER

Apply a filter on all columns



**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.



**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.

		Expr6 : GetYear(SHTRDJ (F4201))										
		1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	Totaux
SDSRP1 - J.DESCR1		833,33	2,00	3 909,54	10 000,00		-5,84	450 000,00	5 458,67			5 983,88
Catalogue section accessoires						23,27		11 882,12	15 000,00			11 738,54
Catalogue section vélos		12 650,00	1 280,40		3 159,99	12 955,07		191 118,54	952 860,70	30 225,00	127 298,29	
Totaux		5 980,00	2,00	2 813,05	10 000,00	2 945,75	8 187,38	450 000,00	51 021,29	483 934,35	30 225,00	43 784,55

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

SDAEXP

Expr6 : GetYear(SHTRDJ (F4201))

Expr6 : GetYear(SHTRDJ (F4201))	1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	Totaux
SDSRP1 - JDESCR1	833,33	2,80	3 009,54	10 000,00		-5,64	450 000,00	5 450,67			5 963,80
Catalogue section accessoires						23,27		11 882,12	15 000,00		11 730,54
Catalogue section vélos	12 650,00	1 280,40		3 159,99	12 555,07			191 119,54	952 800,70	30 225,00	127 278,29
Totaux	5 680,00	2,80	2 813,85	10 000,00	2 945,75	8 187,38	450 000,00	51 621,29	483 854,35	30 225,00	43 794,55

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

SDAEXP

Expr6 : GetYear(SHTRDJ (F4201))

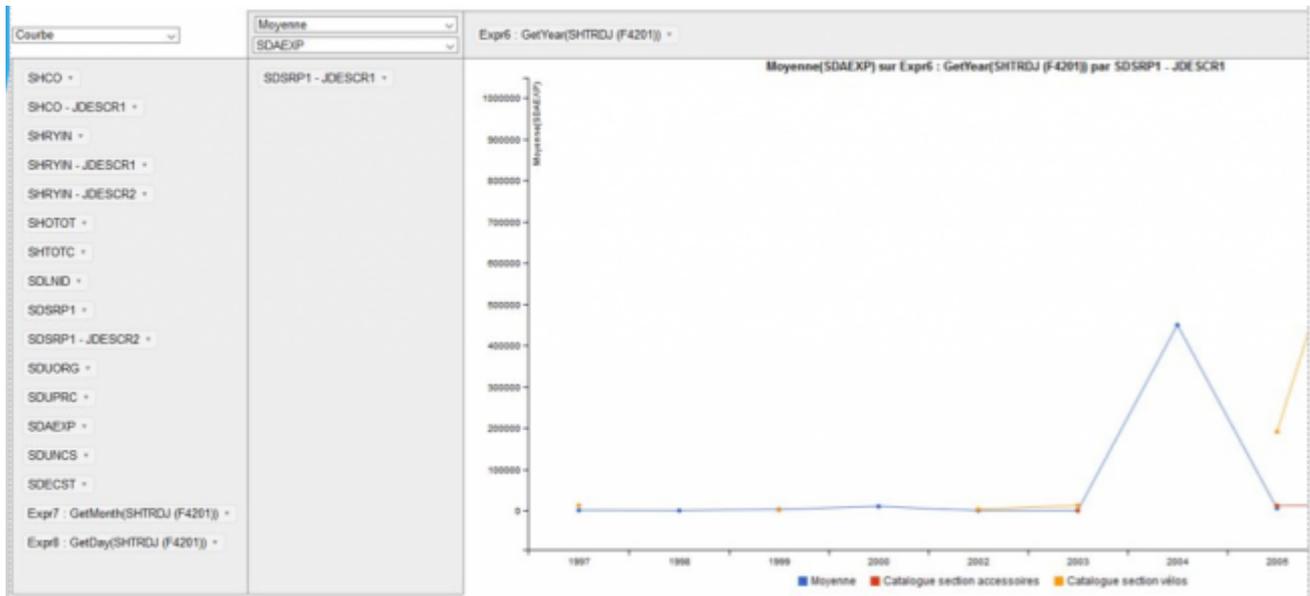
Expr6 : GetYear(SHTRDJ (F4201))	1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	Totaux
SDSRP1 - JDESCR1	833,33	2,80	3 009,54	10 000,00		-5,64	450 000,00	5 450,67			5 963,80
Catalogue section accessoires						23,27		11 882,12	15 000,00		11 730,54
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Totaux	5 680,00	2,80	2 813,85	10 000,00	2 945,75	8 187,38	450 000,00	51 621,29	483 854,35	30 225,00	43 794,55

Expr7 : GetMonth(SHTRDJ (F4201))

Expr8 : GetDay(SHTRDJ (F4201))

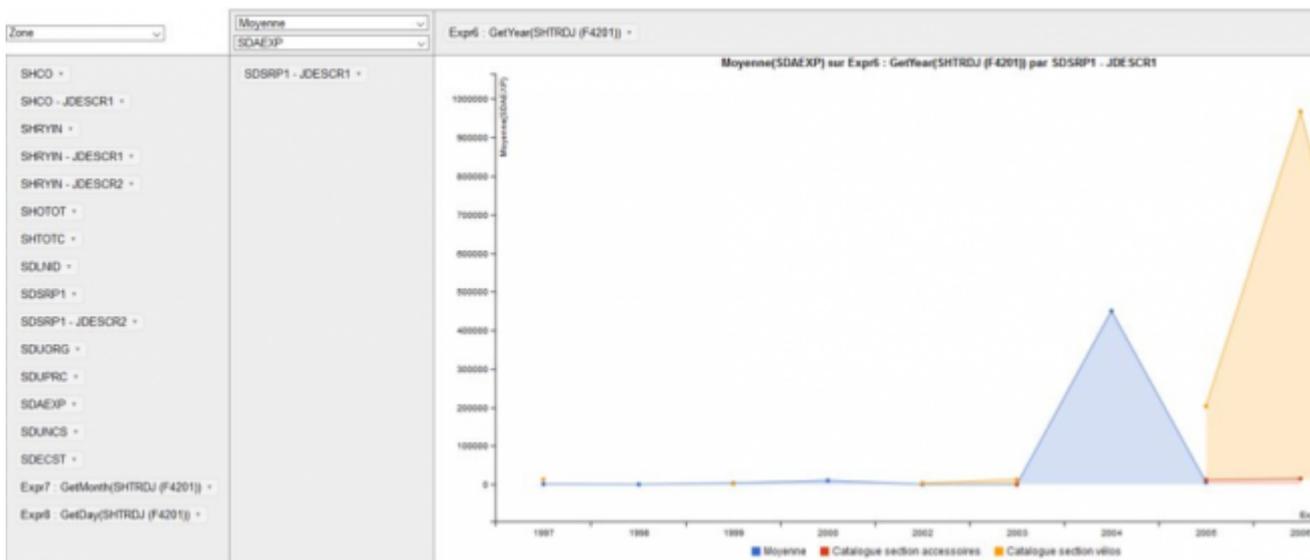
### Curve

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



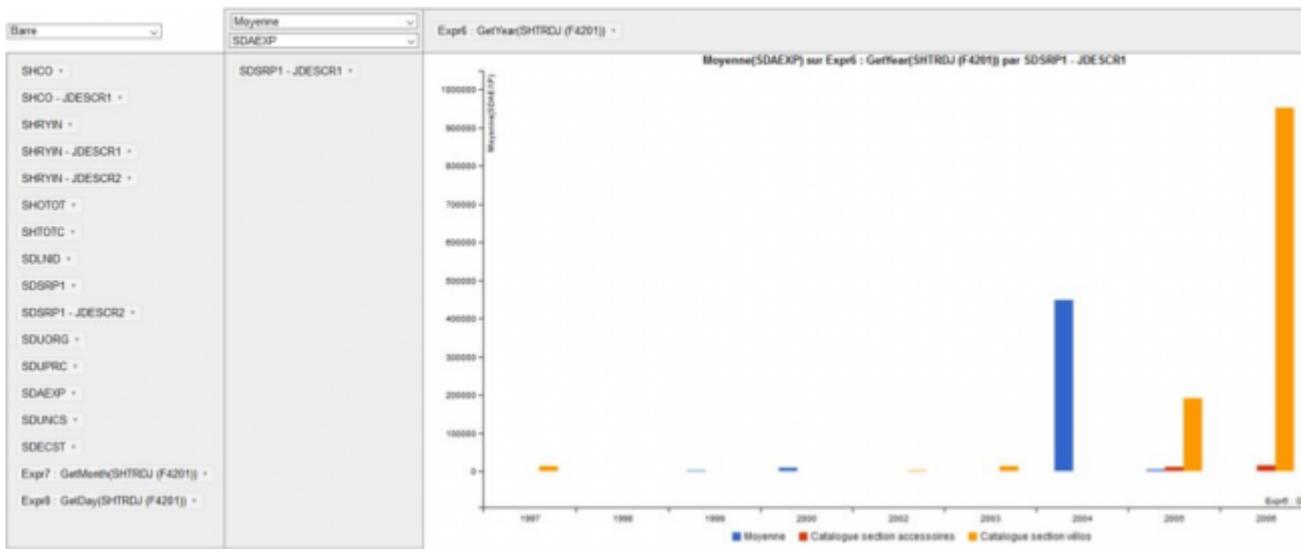
### Zone

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



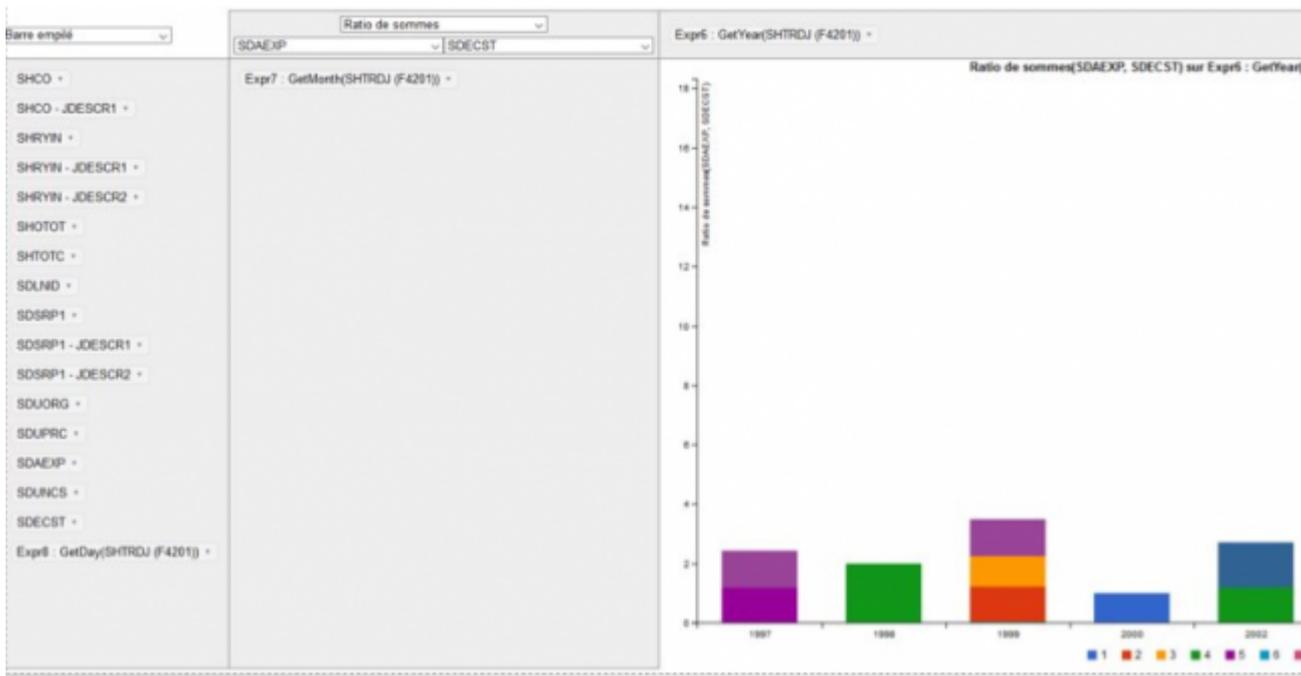
### Bar chart

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



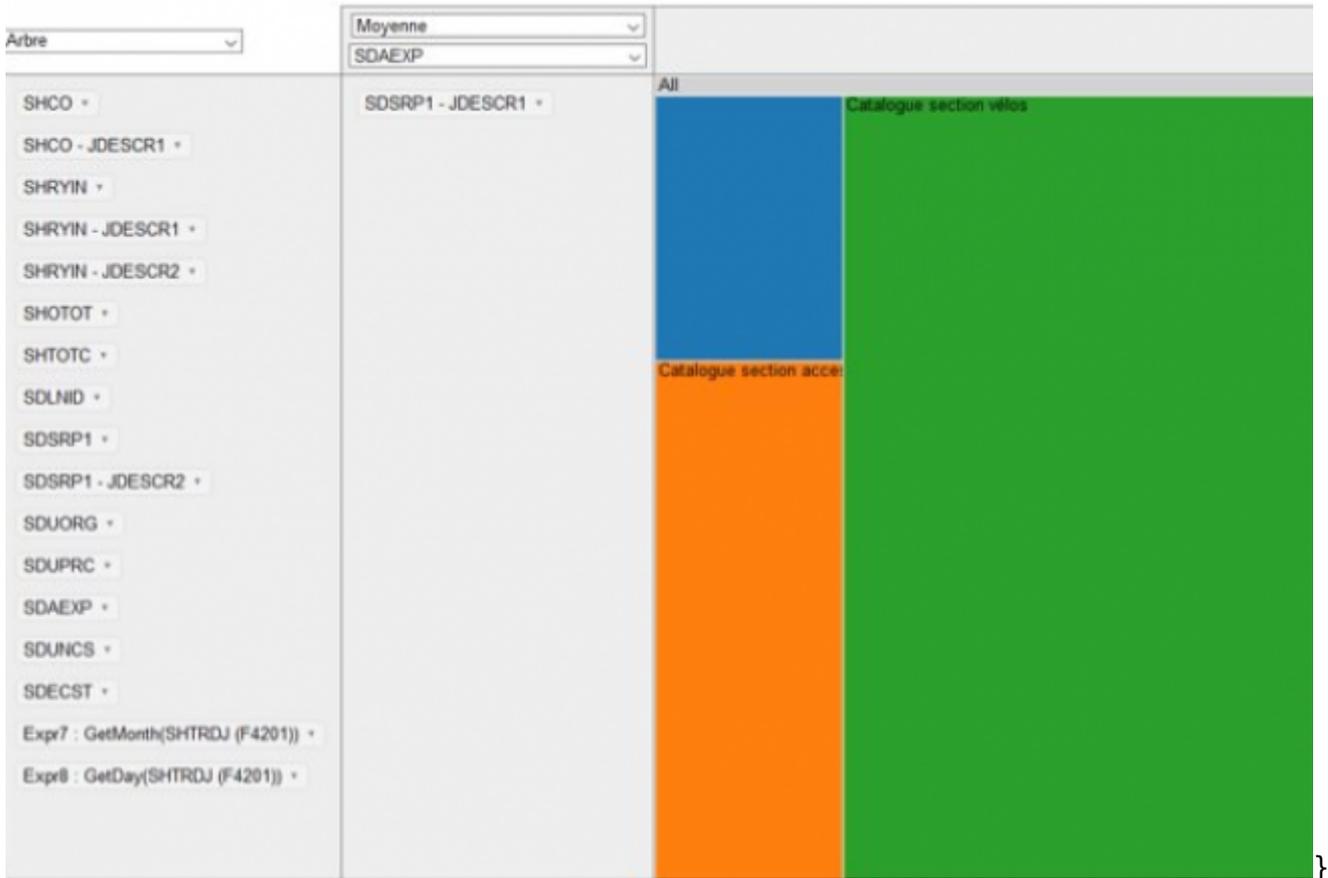
### Stacked bar

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



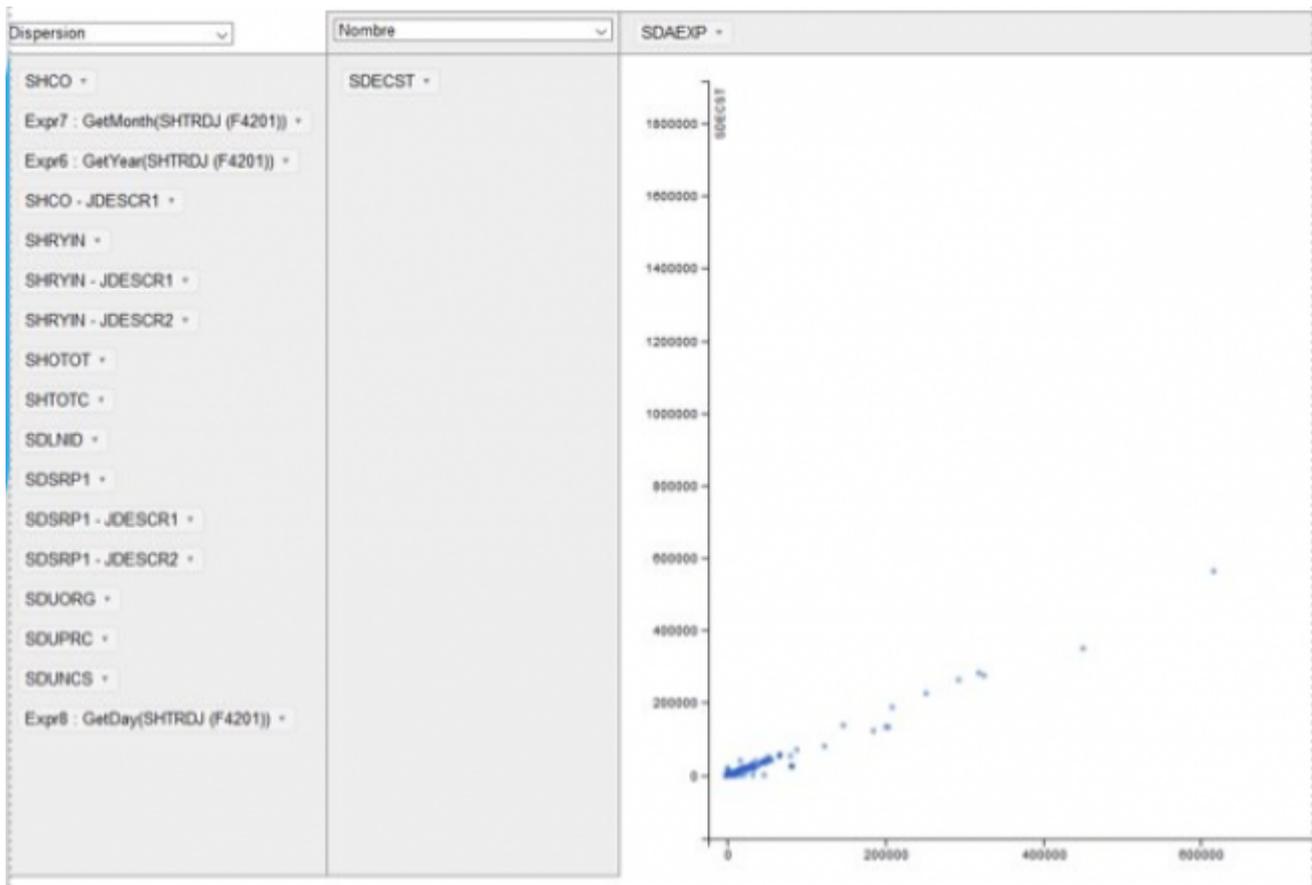
### Treemap

- 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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