

# Running Queries

There are several steps to run a query:

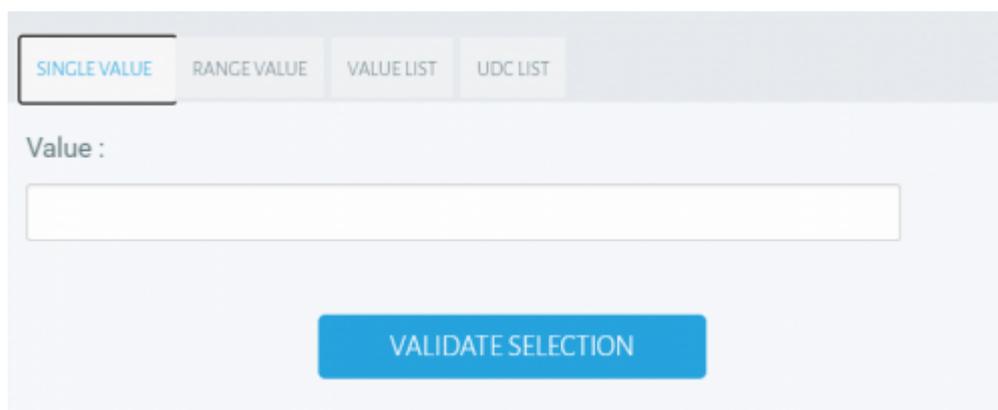
- Data selection.
- Format selection.
- Running and processing the result.

## 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 with the text 'VALIDATE SELECTION' in white capital letters.

### 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, which currently contains the number '220'. At the bottom center of the interface is a blue button labeled 'VALIDATE SELECTION'.

The screenshot shows a software interface with four tabs: 'SINGLE VALUE', 'RANCE VALUE', 'VALUE LIST', and 'UDC LIST'. The 'VALUE LIST' tab is active. Below the tabs, there is a section labeled 'Value to add :'. Inside this section, there is a text input field containing the number '305' and a '+' button to its right. Below the input field is a section labeled 'Values :'. This section contains a list box with three items: '220', '224', and '305'. At the bottom of the interface is a blue button labeled '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

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 ? X

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:

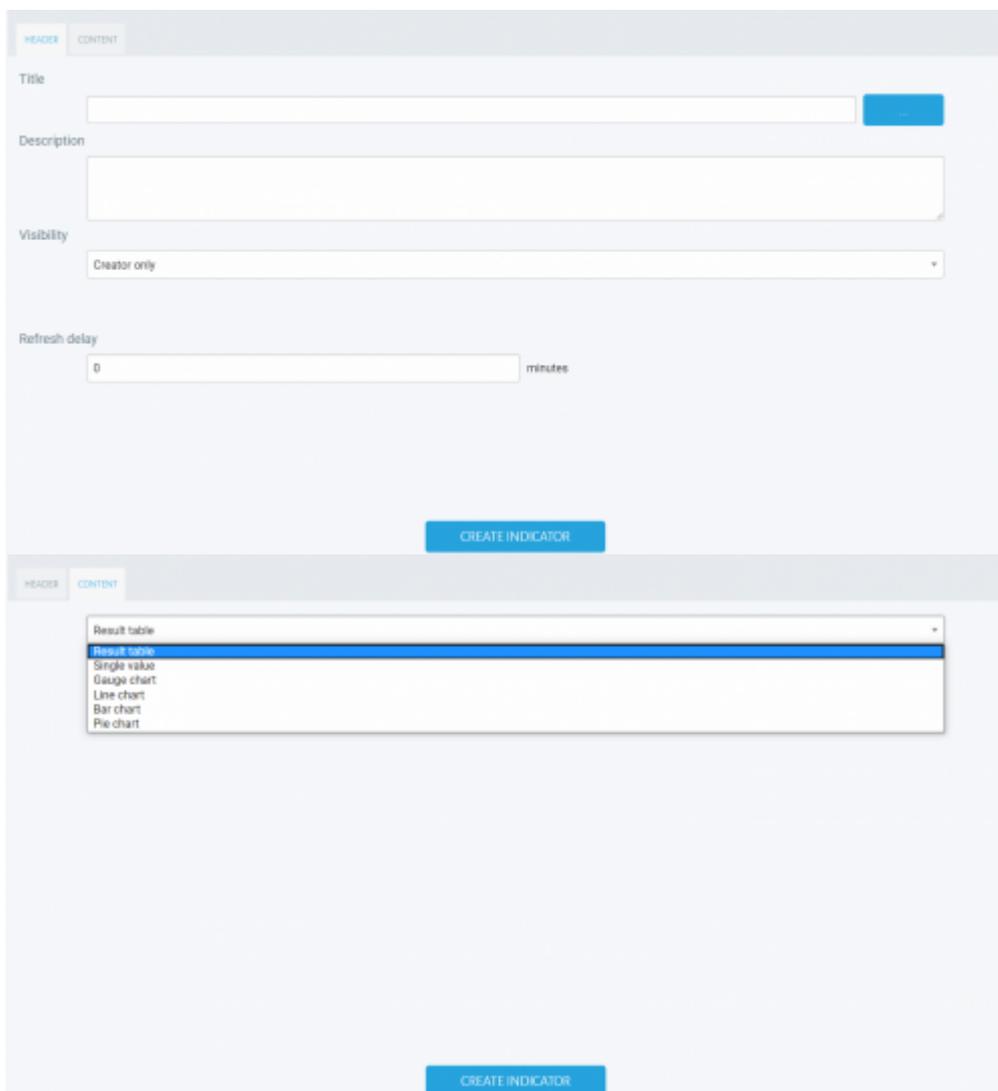
- Grid
- Excel

- 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.



# 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.

Year	Business Unit	Business Unit - IDESCR	G/L	G/L - 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	6	201 814	596	10 120	64	200 718			
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	7 710	2 758	820	240	4 952			
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	5	896	7 710	64	820	-7 134			
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	2	2 298	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

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).

Year	Business Unit	Business Unit - IDESCR	G/L	G/L - 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	6	201 814	596	10 120	64	200 718			
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	4	7 710	2 758	820	240	4 952			
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	5	896	7 710	64	820	-7 134			
2017	20	Northern Distribution Center	IN30	Manufactured Finished Goods	2	2 298	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	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	6	-1 335	-1 353 007	-18	-5 627	1 353 872			
2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	4	2 289 989	431 193	1 766	2 055	1 849 330			
2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	5	338 941	2 280 503	4 935	3 748	-2 143 962			
2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	6	56 771 258	138 543	334 743	4 935	55 622 717			
2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	2	108 484	7 494 728	605	153 918	-7 376 312			
2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	3	431 193	118 416	2 055	605	312 778			
2017	30	Eastern Distribution Center	IN30	Manufactured Finished Goods	7	-3 383 987	55 773 238	-6 627	334 743	-57 124 265			
2017	30	Eastern Distribution Center										7	30

**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 - JDESCR	GL	GL - JDESCR	Month	Amount M	Amount M-1	Qty M	Qty M-1	Variance M-M-1	Count	Description
2017	20	Northern Distribution Center	DN30	Manufactured Finished Goods	6	201 934	596	10 120	64	200 718		
2017	20	Northern Distribution Center	DN30	Manufactured Finished Goods	4	7 700	2 138	820	240	4 932		
2017	20	Northern Distribution Center	DN30	Manufactured Finished Goods	5	596	7 730	64	820	-7 114		
2017	20	Northern Distribution Center	DN30	Manufactured Finished Goods	2	2 285	2 684	220	280	-389		
2017	20	Northern Distribution Center	DN30	Manufactured Finished Goods	3	2 158	2 293	240	220	463		
2017	20	Northern Distribution Center									5	20

### Dynamic charts

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

**RÉSULTAT POUR LA REQUÊTE : MOUVEMENT DE STOCK M M-1 FINAL**

**Actions**

**FILTRE RAPIDE**

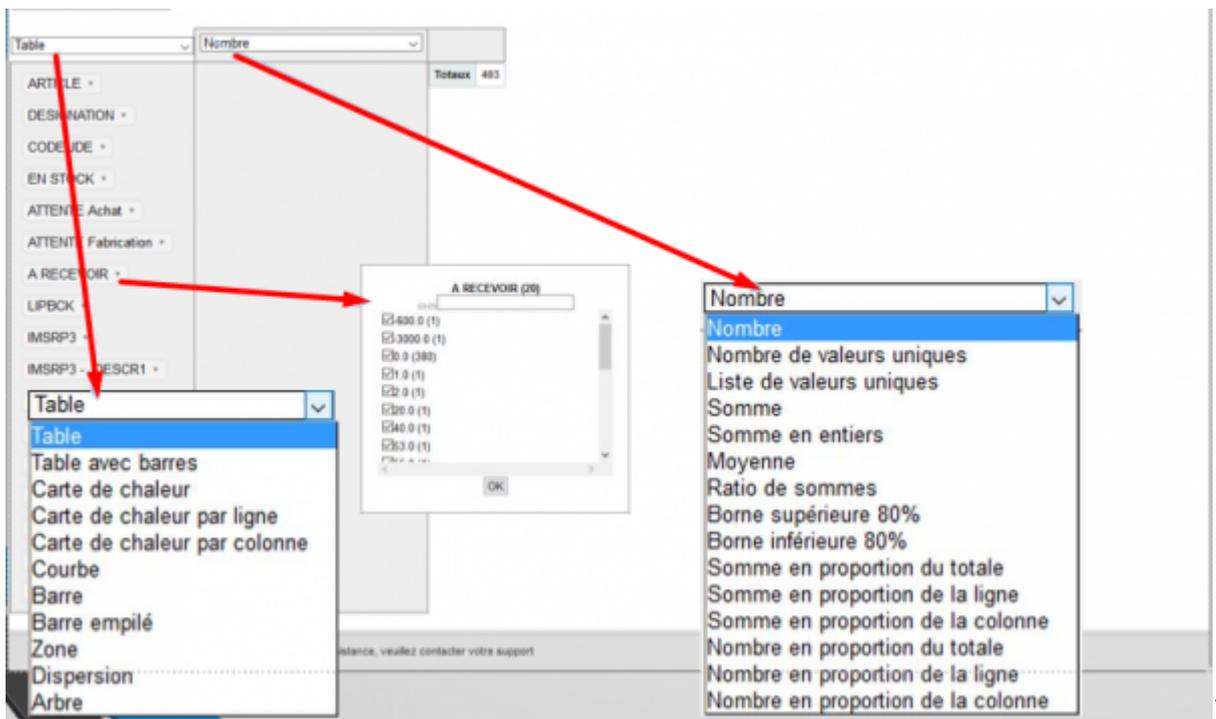
Recherche un texte dans toutes les colonnes

**TABLEAU DYNAMIQUE POUR LA REQUÊTE : /DEMO/MOUVEMENT DE STOCK M M-1 FINAL**

Table	Nombre
Année	
Centre de Coût	
Centre de Coût - JDESCR	
Clé GL	
Clé GL - JDESCR	
Mots	
Montant M	
Montant M-1	
Qty M	
Qty M-1	
Ecart M-M-1	
Count	
Description	

### 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.

Table		Moyenne	Expr6 : GetYear(SHTRDJ (F4201))										
		SDAEXP	Expr6 : GetYear(SHTRDJ (F4201))										
			1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	Totaux
SHCO	SDSRP1 - JDESCR1	SDSRP1 - JDESCR1											
SHCO - JDESCR1			833,33	2,80	3 009,54	10 000,00		-5,64	450 000,00	5 458,67			5 963,88
SHRYN								23,27		11 082,12	15 000,00		11 738,54
SHRYN - JDESCR1													
SHRYN - JDESCR2													
SHOTOT													
SHTOTC													
SDUND													
SDSRP1													
SDSRP1 - JDESCR2													
SDUORG													
SDUPRC													
SDAEXP													
SDUNCS													
SDECST													
Expr7 : GetMonth(SHTRDJ (F4201))													
Expr8 : GetDay(SHTRDJ (F4201))													
		Totaux	5 960,00	2,80	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

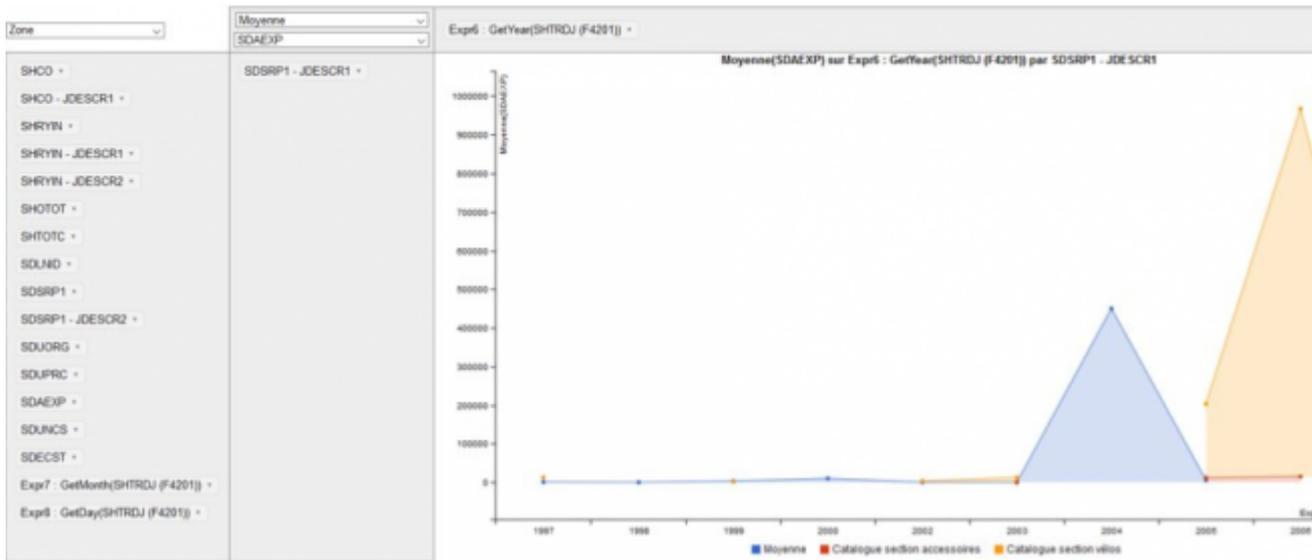
- Fills the background of the cell with a bar representing the contribution of this value in the row total.
- Choice of fields to compose the table freely.

Table avec barres		Moyenne	Expr6 : GetYear(SHTRDJ (F4201))										
		SDAEXP	Expr6 : GetYear(SHTRDJ (F4201))										
			1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	Totaux
SHCO	SDSRP1 - JDESCR1	SDSRP1 - JDESCR1											
SHCO - JDESCR1			833,33	2,80	3 009,54	10 000,00		-5,64	450 000,00	5 458,67			5 963,88
SHRYN								23,27		11 082,12	15 000,00		11 738,54
SHRYN - JDESCR1													
SHRYN - JDESCR2													
SHOTOT													
SHTOTC													
SDUND													
SDSRP1													
SDSRP1 - JDESCR2													
SDUORG													
SDUPRC													
SDAEXP													
SDUNCS													
SDECST													
Expr7 : GetMonth(SHTRDJ (F4201))													
Expr8 : GetDay(SHTRDJ (F4201))													
		Totaux	5 960,00	2,80	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

### Heatmap

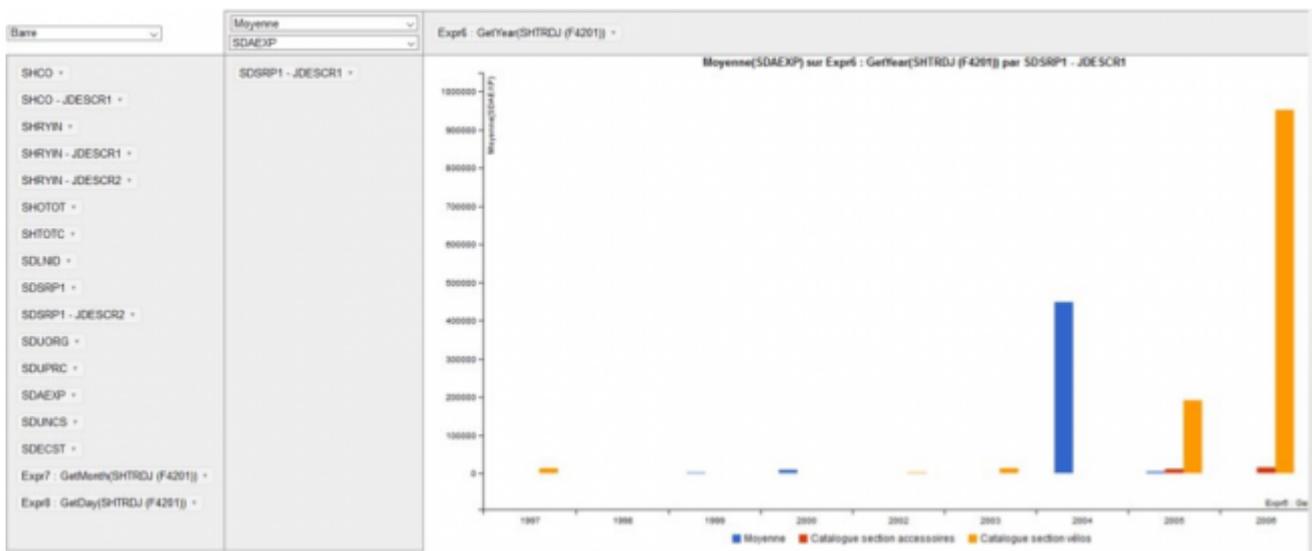
- Fills the background of the cell with a more or less strong shade of red depending on the contribution of the value in the total.
- The total taken into account may be the total of the table, the row or the column.
- Choice of fields to compose the table freely.





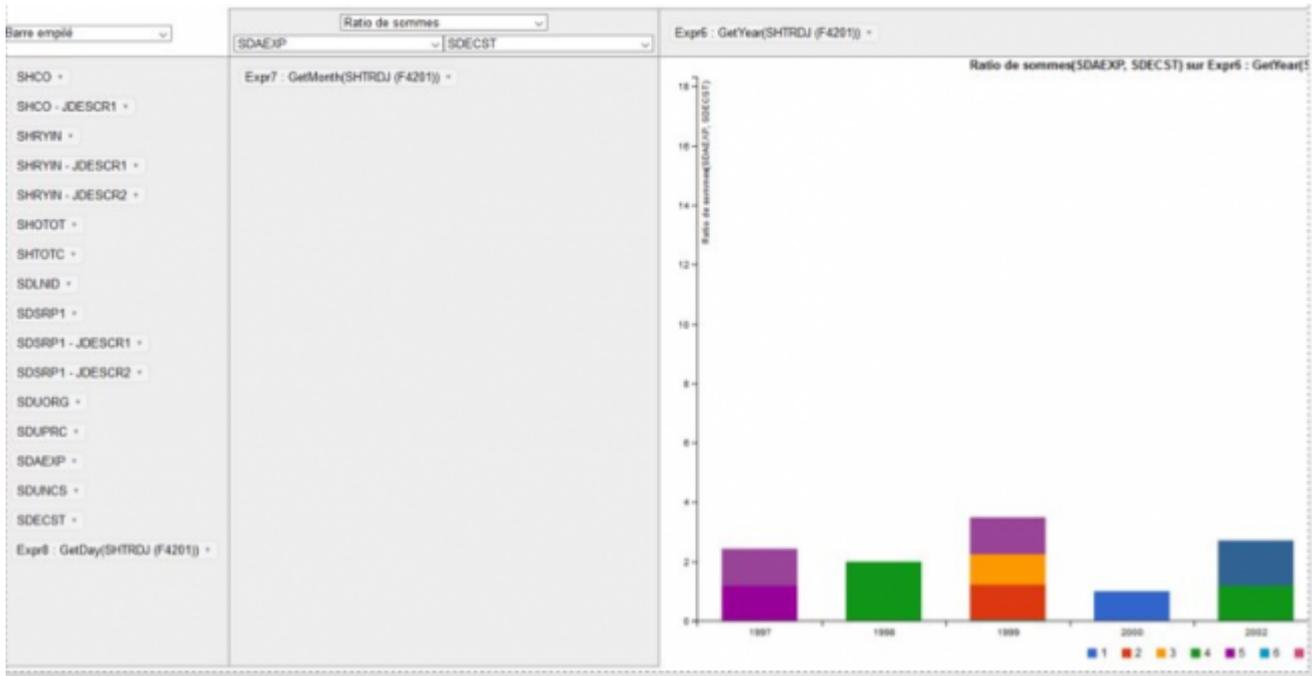
### Bar chart

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



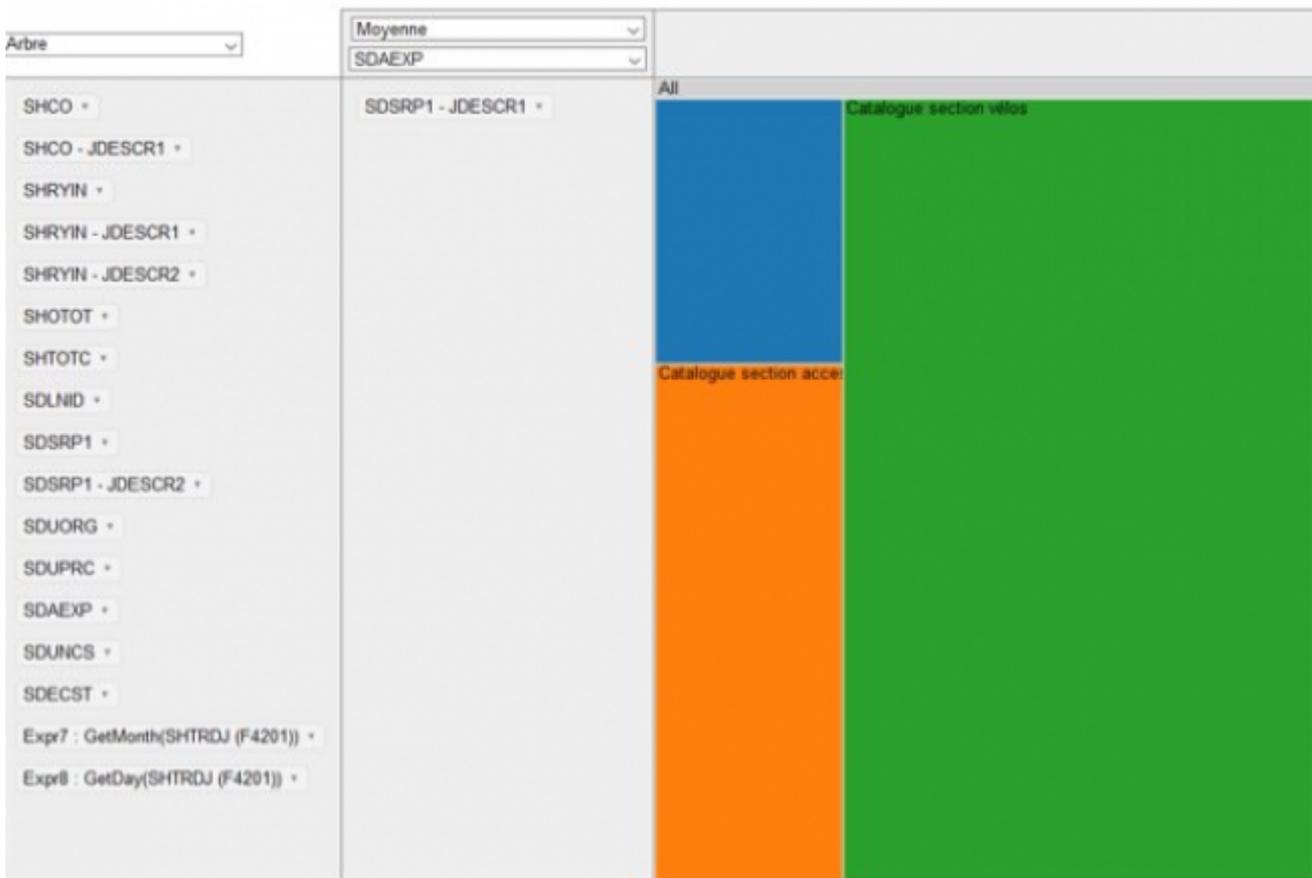
### Stacked bar

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



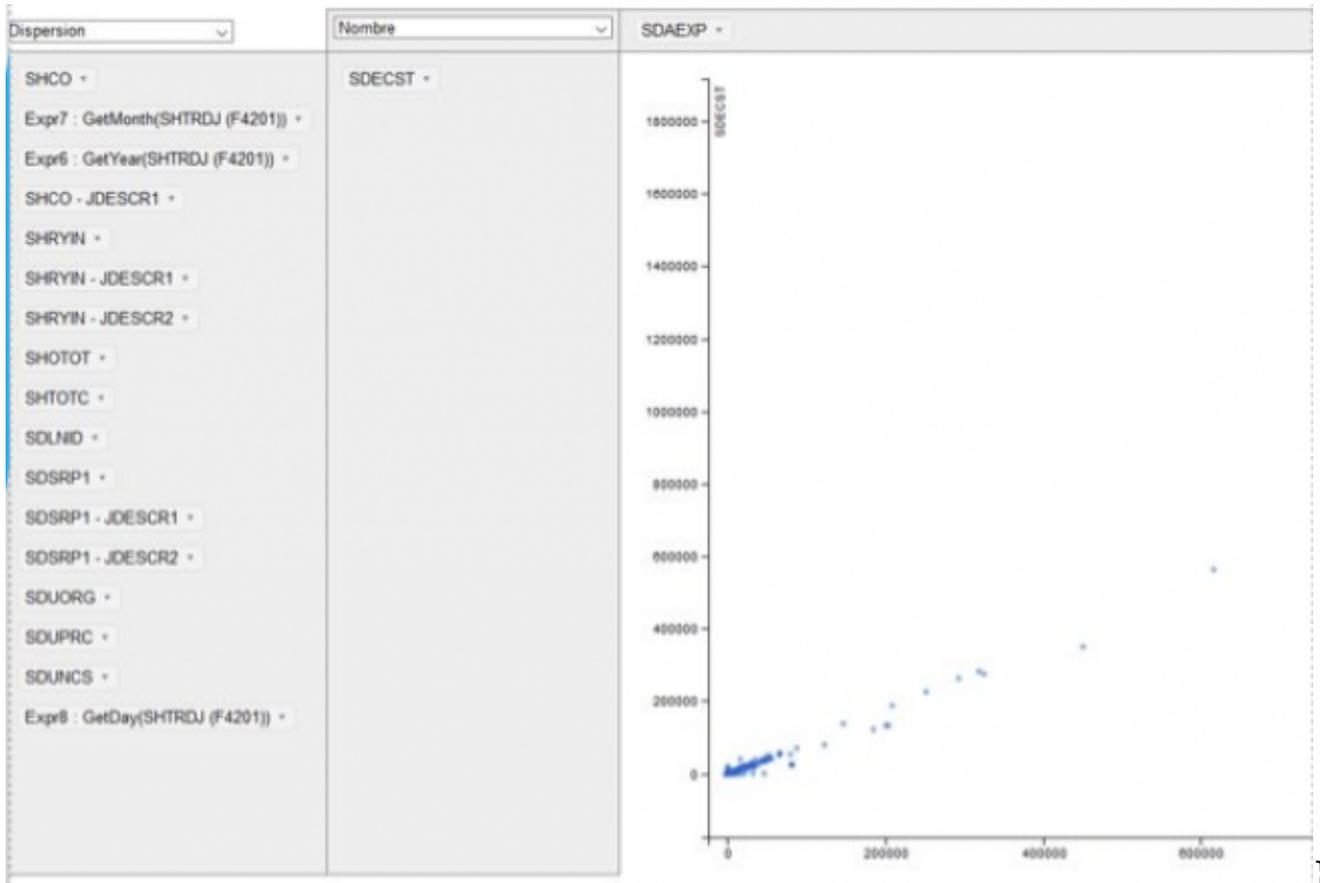
### Treemap

- 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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Last update: 2020/07/08 10:59

