

SQL SERVER AND DATABASES

CODERGIRL

WEEK 14

ADVANCED REPORTS

Expressions to control properties

Sorting

Repeating headings

New fields

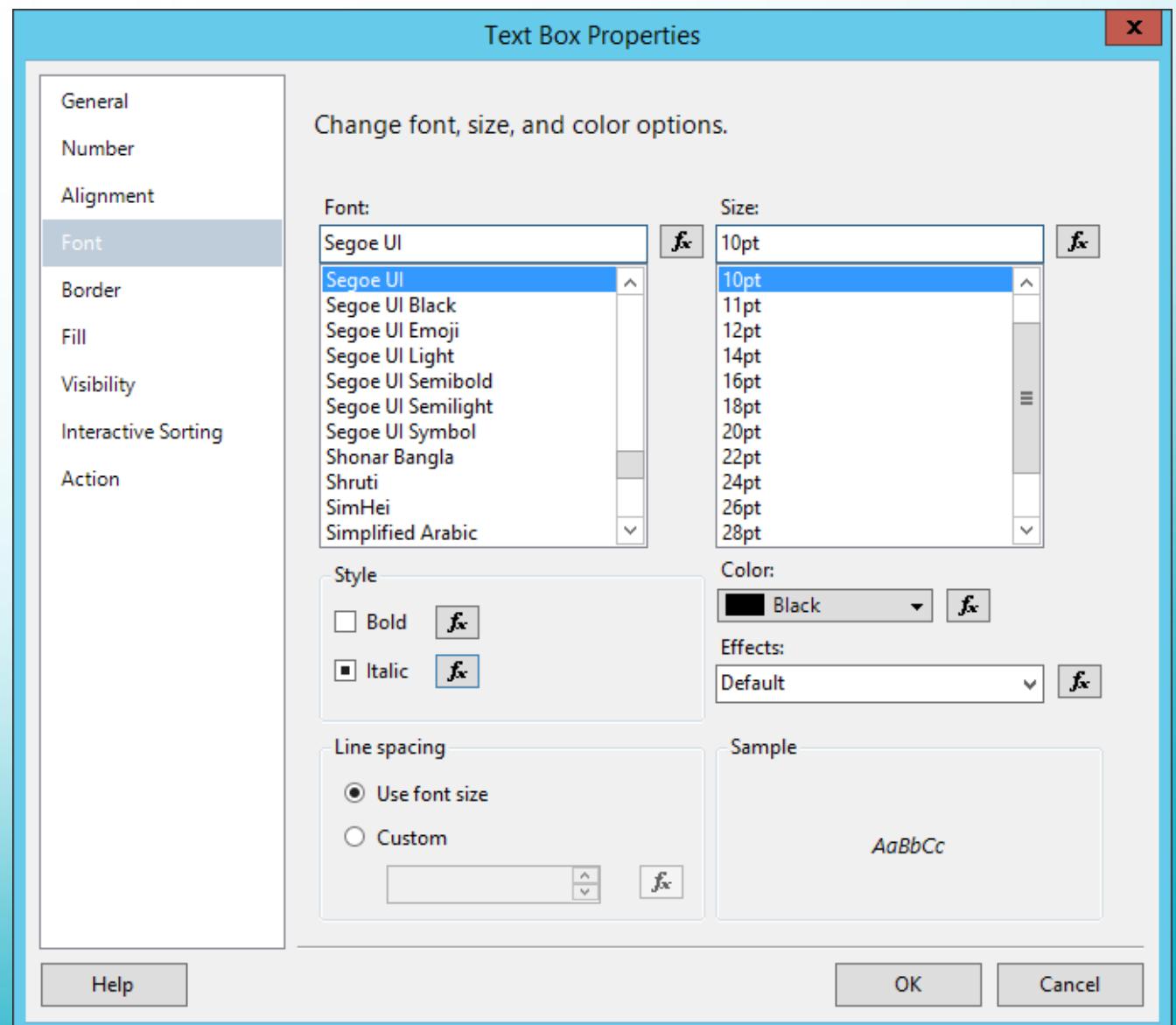
Click-through to detail reports

Sub-reports

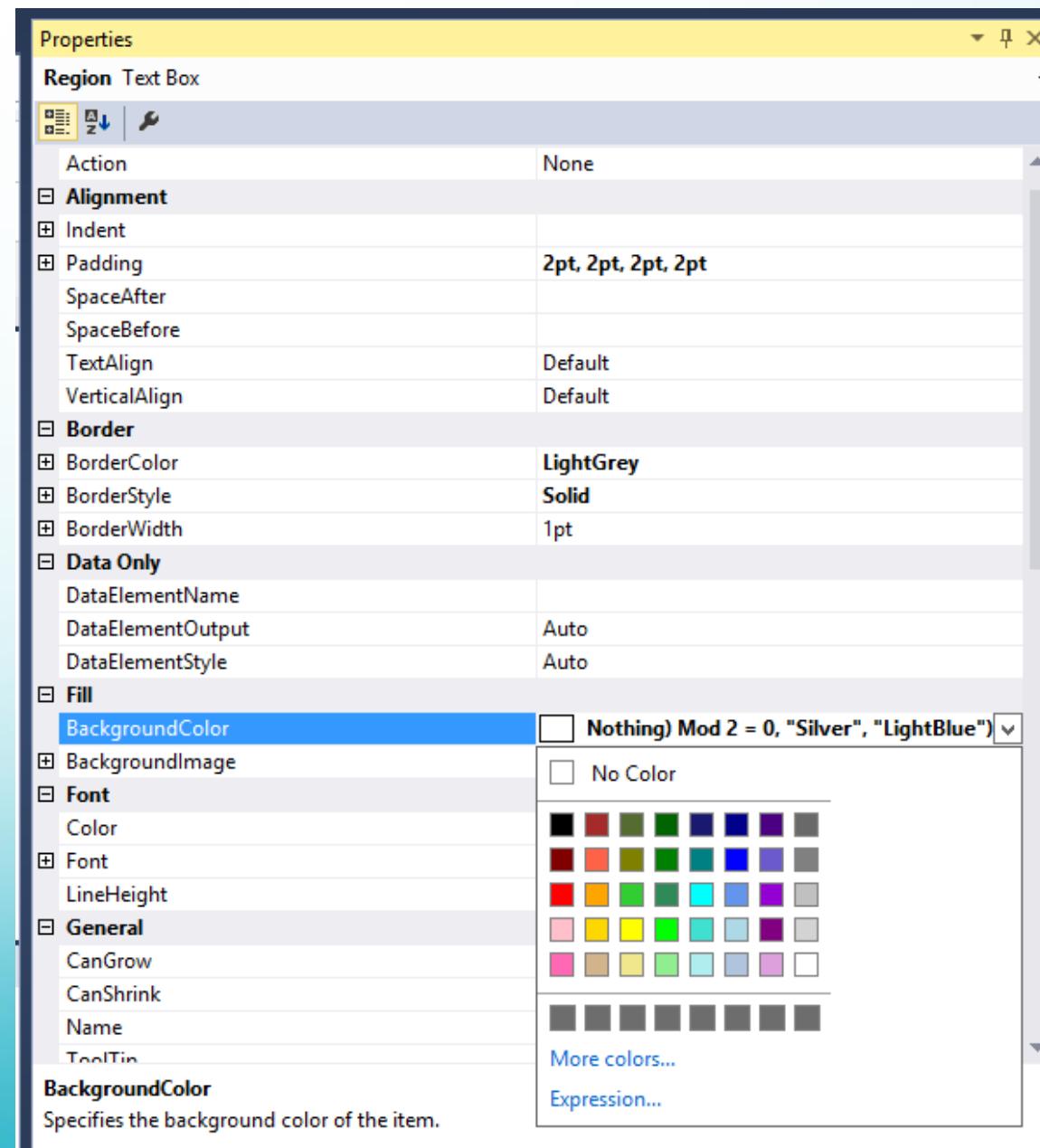
Grouping

Matrix reports

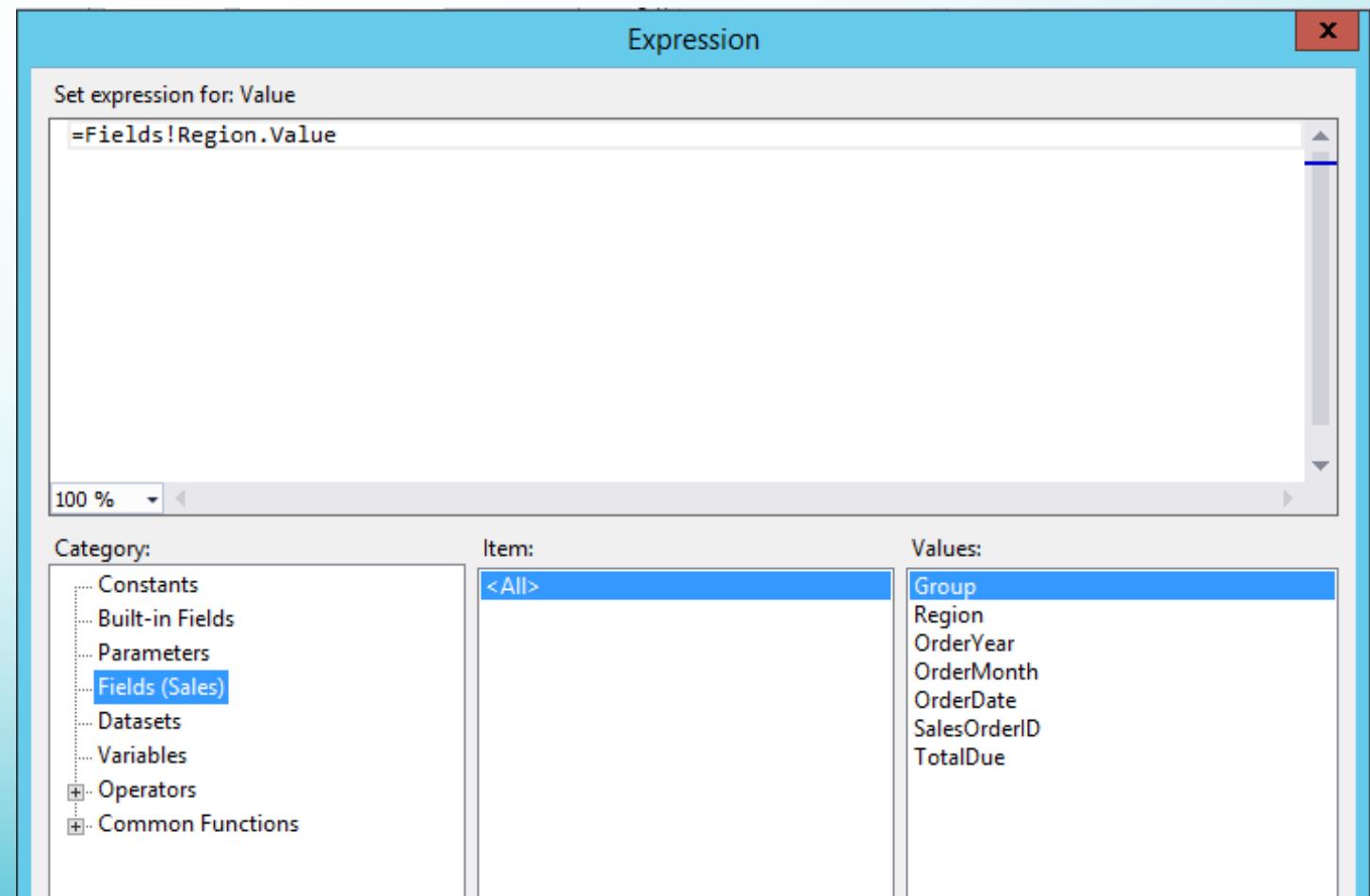
EXPRESSIONS



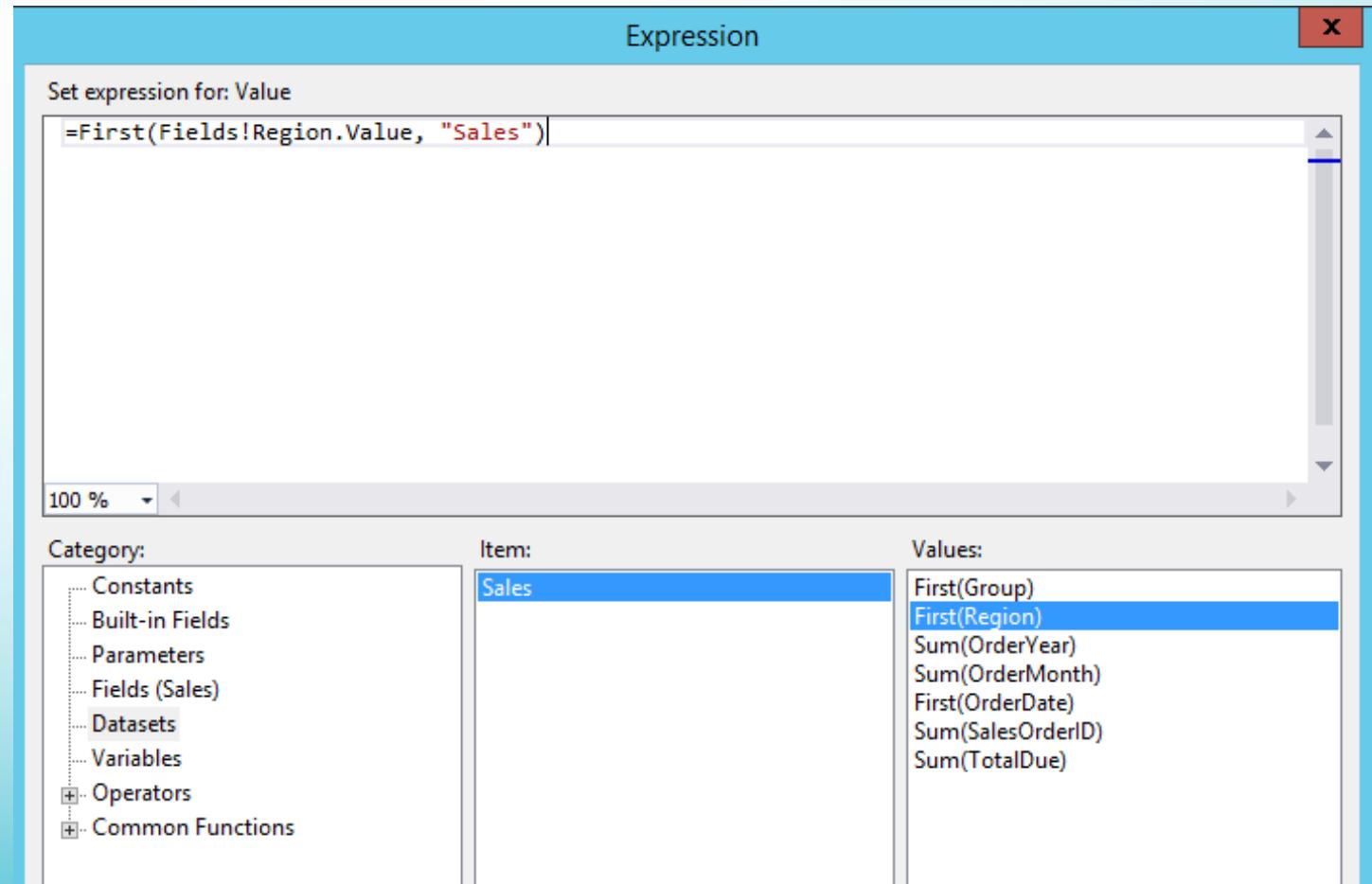
EXPRESSIONS



EXPRESSIONS



EXPRESSIONS



EXPRESSIONS

Category:

- Operators
 - Arithmetic
 - Comparison
 - Concatenation
 - Logical/Bitwise
 - Bit Shift
- Common Functions
 - Text
 - Date & Time
 - Math
 - Inspection
 - Program Flow
 - Aggregate
 - Financial
 - Conversion
 - Miscellaneous

Item:

- CDate
- DateAdd
- DateDiff
- DatePart
- DateSerial
- DateString
- DateValue
- Day
- FormatDateTime
- Hour
- Minute
- Month
- MonthName
- Now
- Second
- TimeOfDay
- Timer
- TimeSerial
- TimeString
- TimeValue

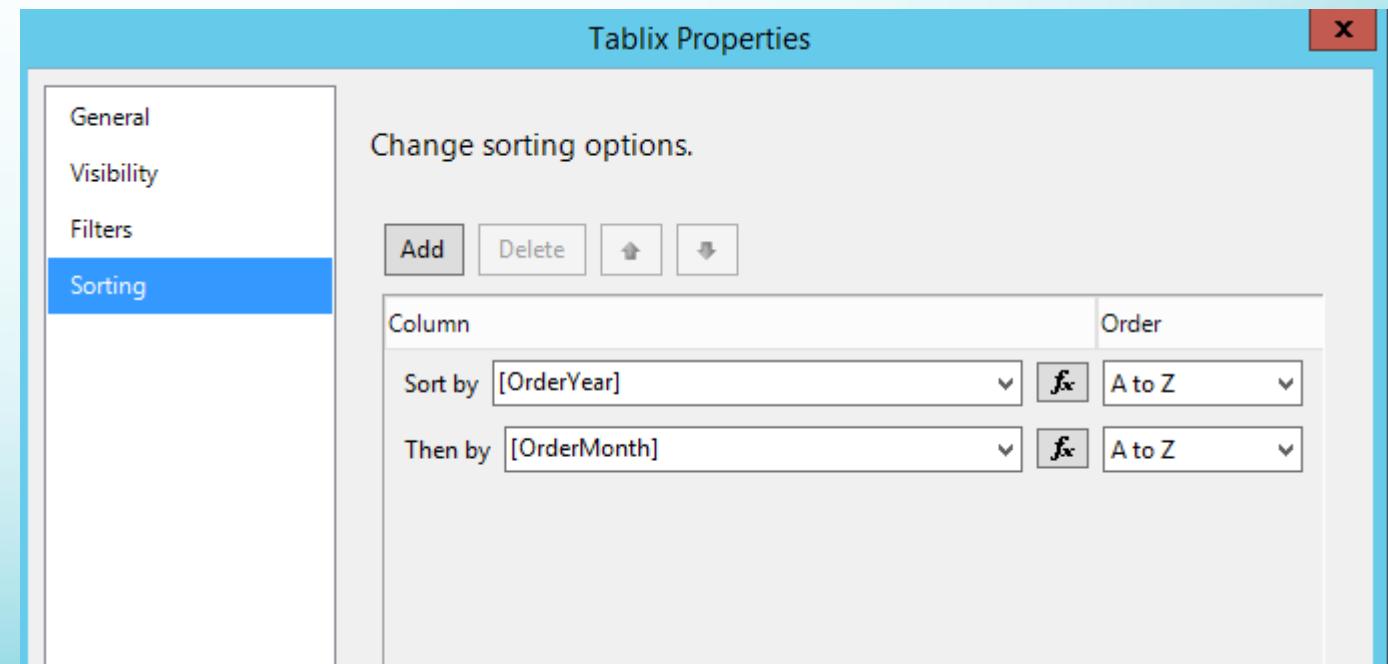
Description

Convert to Date.

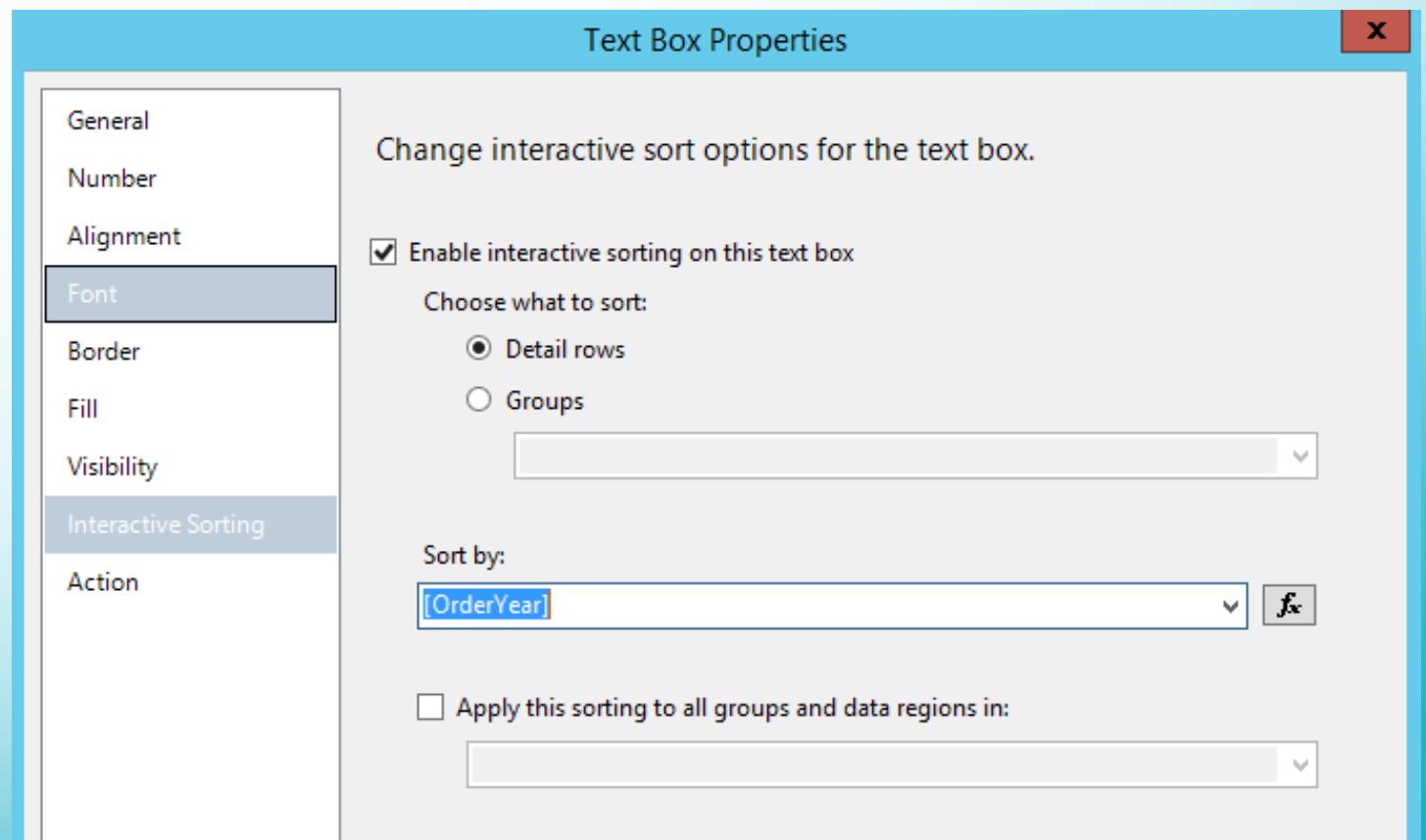
Example

=CDate(Fields!BirthDate.Value)

STATIC SORTING



DYNAMIC SORTING



REPEAT HEADINGS

Turn on

Turn on Advanced Mode in Column Groups

Select

Select (Static)

Change

In properties window, change
RepeatOnNewPage to true

NEW FIELDS

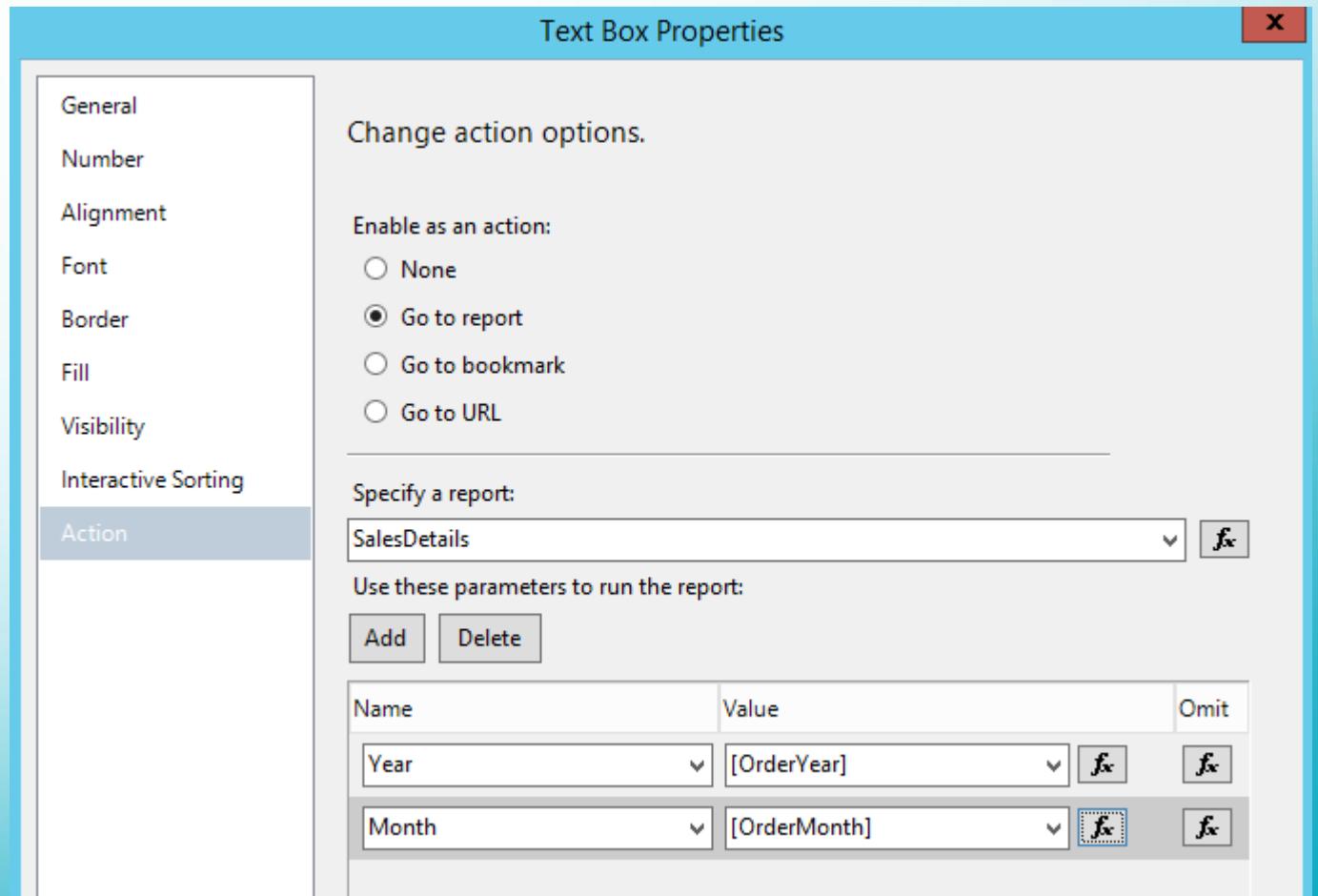
Dataset Properties X

Change query and calculated fields.

Add Delete ↑ ↓

Field Name	Field Source
ProductID	ProductID
Name	Name
ProductNumber	ProductNumber
StandardCost	StandardCost
ListPrice	ListPrice
Margin	«Expr» fx

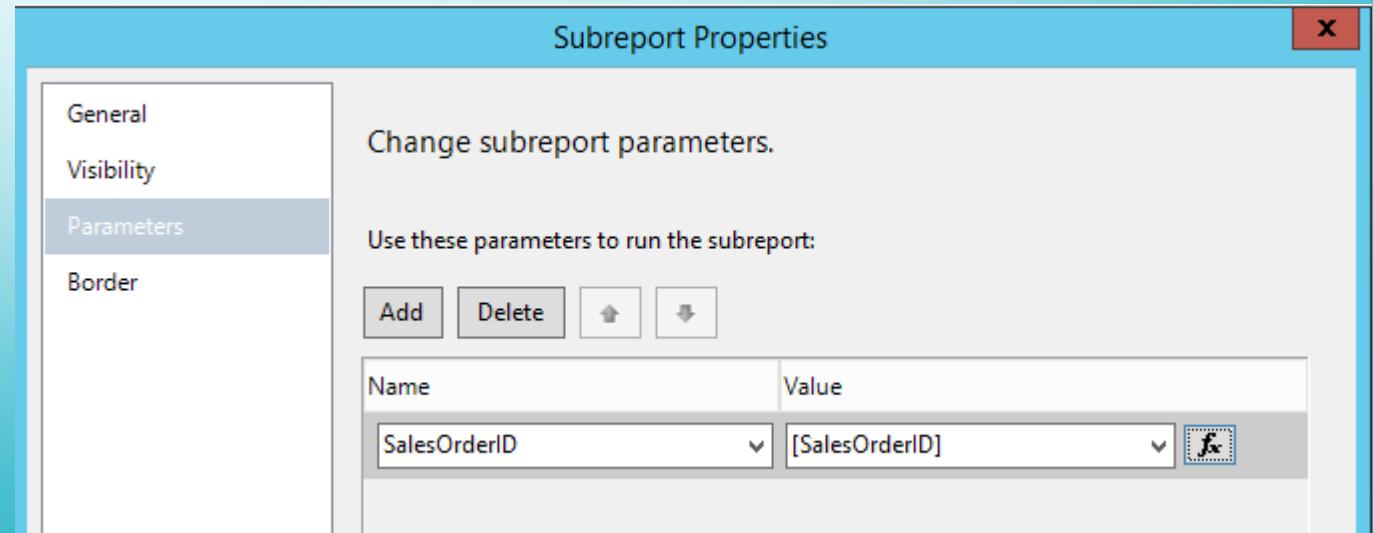
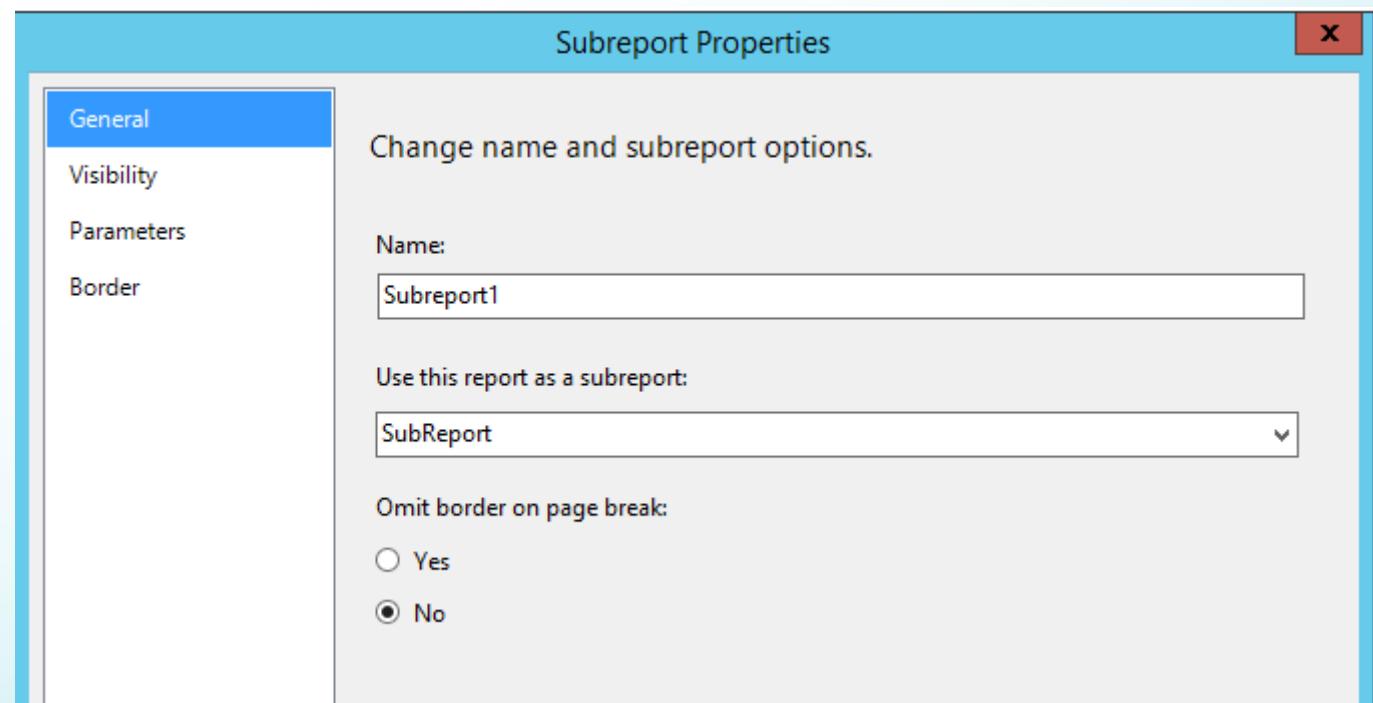
CLICK THROUGH REPORT



SUB-REPORT

Sales		
Sales Order ID	Order Date	Total Due
[SalesOrderID]	[OrderDate]	[TotalDue]
<Subreport>		
[&PageNumber]		[&ExecutionTime]

SUB-REPORT



GROUPING

The screenshot shows a data grid and a grouping pane from a reporting application.

Data Grid:

	Order Year	Territory ID	Customer ID	Average Sales	Total Sales
	[OrderYear]	[TerritoryID]	[Territory]	«Expr»	[Sum(Sales)]
			[CustomerID]	[Store]	[Sales]

Grouping Pane:

- Row Groups:
 - OrderYear
 - TerritoryID
 - (Details)
- Column Groups:

MATRIX REPORTS

- A value is changed to a column, a “pivot”
- Determine the row, the column to pivot, and the value to measure
- Add the column first, then the other two values

	Columns
Rows	Data

Order Year	[MonthName]
[OrderYear]	[Sum(TotalSales)]

ASSIGNMENT

- Aunt Kathi Customizing Reports
- Homework14