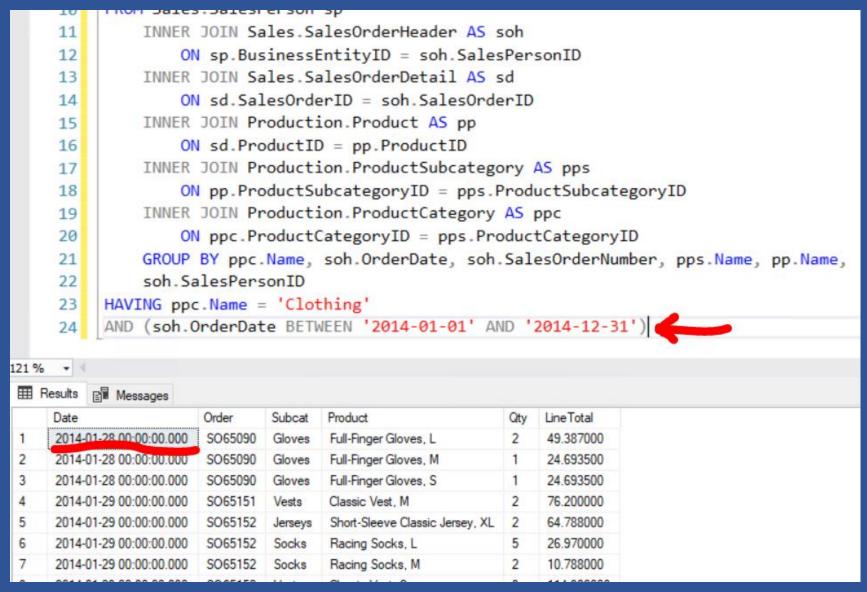
Group Sorting and Filtering

Filtering in SQL Query Data Source

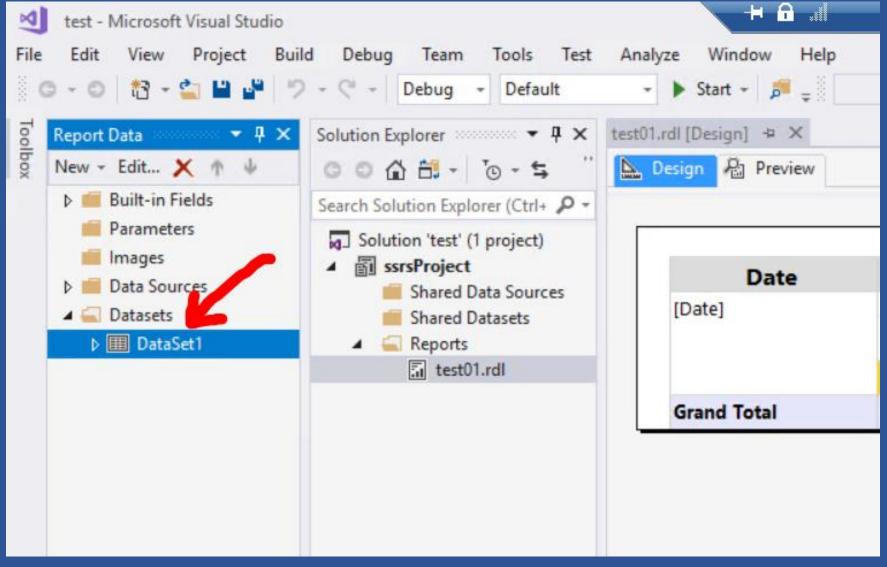
Query for this session: Order Line Total 2014

```
□-- Microsoft SQL Server Reporting Services Class 2018
    -- Loy Vanich (laploy@gmail.com)
    -- 0170 Group Sorting
    SELECT
        soh.OrderDate AS [Date],
        soh.SalesOrderNumber AS [Order],
        pps.Name AS Subcat, pp.Name as Product,
 8
        SUM(sd.OrderOty) AS Oty,
        SUM(sd.LineTotal) AS LineTotal
 9
     FROM Sales.SalesPerson sp
10
11
        INNER JOIN Sales.SalesOrderHeader AS soh
             ON sp.BusinessEntityID = soh.SalesPersonID
12
        INNER JOIN Sales.SalesOrderDetail AS sd
13
14
             ON sd.SalesOrderID = soh.SalesOrderID
        INNER JOIN Production. Product AS pp
15
16
             ON sd.ProductID = pp.ProductID
17
        INNER JOIN Production.ProductSubcategory AS pps
18
             ON pp.ProductSubcategoryID = pps.ProductSubcategoryID
         INNER JOIN Production.ProductCategory AS ppc
19
20
             ON ppc.ProductCategoryID = pps.ProductCategoryID
         GROUP BY ppc.Name, soh.OrderDate, soh.SalesOrderNumber, pps.Name, pp.Name,
21
22
         soh.SalesPersonID
23
    HAVING ppc.Name = 'Clothing'
     AND (soh.OrderDate BETWEEN '2014-01-01' AND '2014-12-31')
24
```

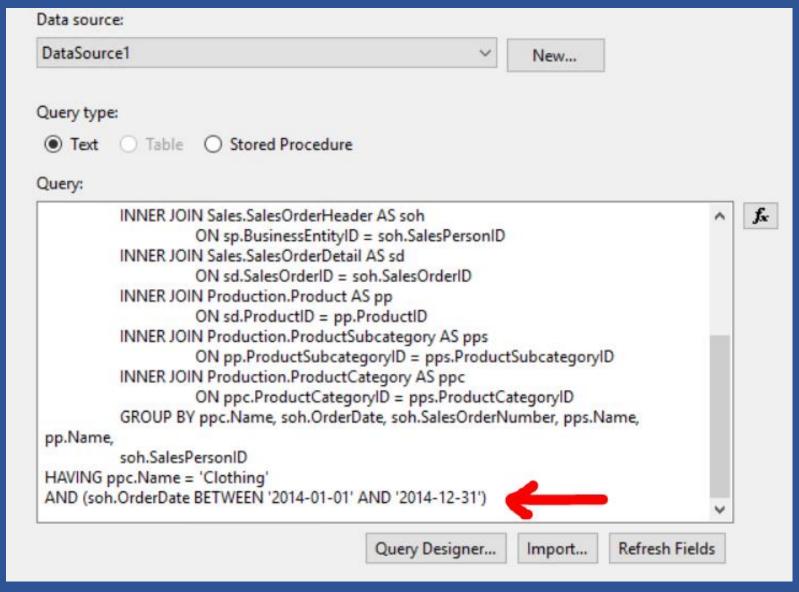
Write and test query in SSMS



Open report project from the previous session / Report Data / DataSet1



Add this Line to Query in Data Source

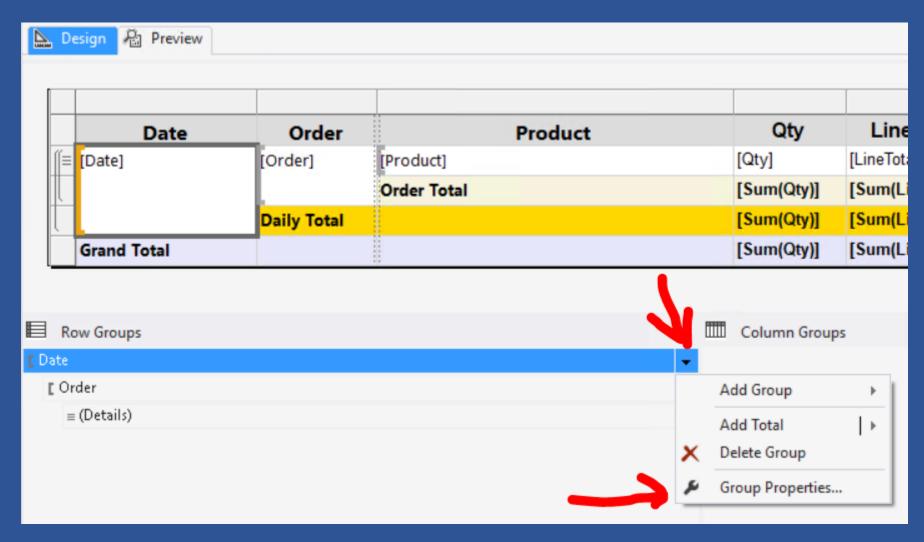


Preview Report / ** note: only 2014 rows are included **

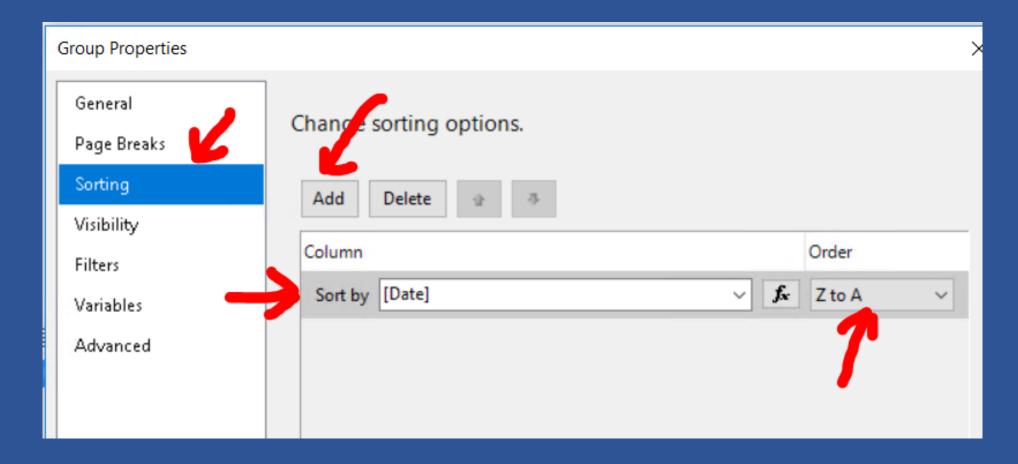
	Date	Order	Product	Qty	Line Total
±	January 28, 2014	Daily Total		4	\$98.77
±	January 29, 2014	Daily Total		1885	\$54,727.44
±	February 28, 2014	Daily Total		4	\$233.97
±	March 1, 2014	Daily Total		2409	\$65,249.84
±	March 30, 2014	Daily Total		10	\$276.54
±	March 31, 2014	Daily Total		3100	\$85,046.96
±	April 30, 2014	Daily Total		14	\$529.01
±	May 1, 2014	Daily Total		2999	\$83,642.49
Grand Total				10425	\$289,805.01

Group Sorting

Design/ Row Groups = Date / Group Properties . . .



Sorting / Add / Order Z to A

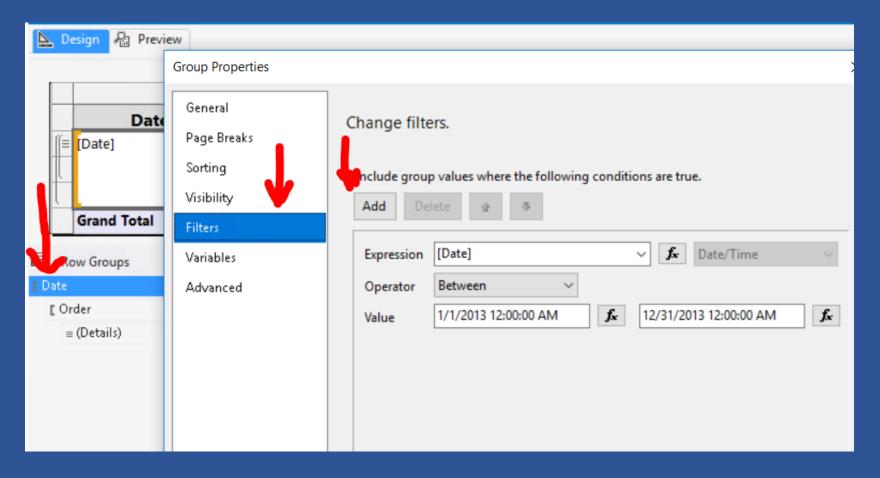


Preview/ ** notice the date is in reverse order **

	Date	Order	Product	Qty	Line Total
±	May 1, 2014	Daily Total		2999	\$83,642.49
±	April 30, 2014	Daily Total		14	\$529.01
±	March 31, 2014	Daily Total		3100	\$85,046.96
±	March 30, 2014	Daily Total		10	\$276.54
±	March 1, 2014	Daily Total		2409	\$65,249.84
±	February 28, 2014	Daily Total		4	\$233.97
	January 29, 2014	Daily Total		1885	\$54,727.44
±	January 28, 2014	Daily Total		4	\$98.77
Grai	nd Total			10425	\$289,805.01

Filtering using Group filter

- Remove last line of SQL Query to show every year
- Remove Group Sorting
- Change filter of Date Group to keep only year 2013



Preview result

	Date	Order	Product	Qty	Line Total
±	January 28, 2013	Daily Total		1130	\$34,013.92
±	February 28, 2013	Daily Total		1750	\$52,798.70
±	March 30, 2013	Daily Total		2551	\$75,561.27
	April 30, 2013	Daily Total		2059	\$63,050.79
±	May 30, 2013	Daily Total		3199	\$82,062.72
±	June 30, 2013	Daily Total		4937	\$129,210.60
±	July 31, 2013	Daily Total		4512	\$120,955.70
±	August 30, 2013	Daily Total		2583	\$68,240.81
±	September 30, 2013	Daily Total		3387	\$90,704.93
±	October 30, 2013	Daily Total		3146	\$85,481.41
±	November 30, 2013	Daily Total		1575	\$44,573.65
±	December 31, 2013	Daily Total		1841	\$52,691.23
Gra	and Total			64569	\$1,780,769.91

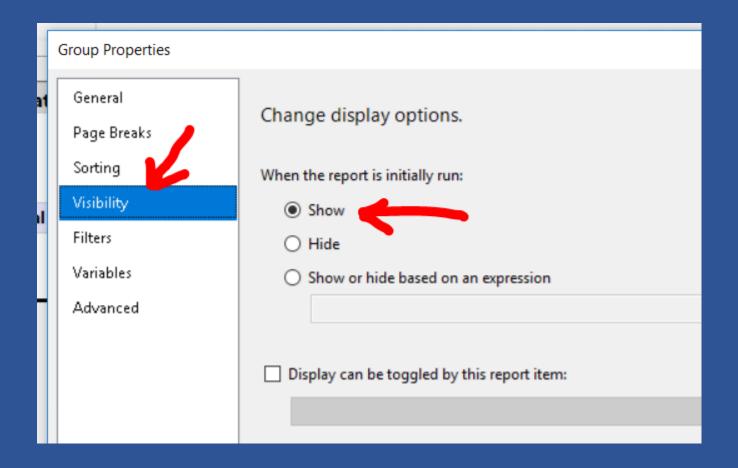
Create user sortable report

- Add new report name = SortTest.rdl
- Add Data Source
- Add Data Set

Use the same data set from previous report but add this line to the end

AND (soh.OrderDate BETWEEN '2013-01-01' AND '2013-02-01')

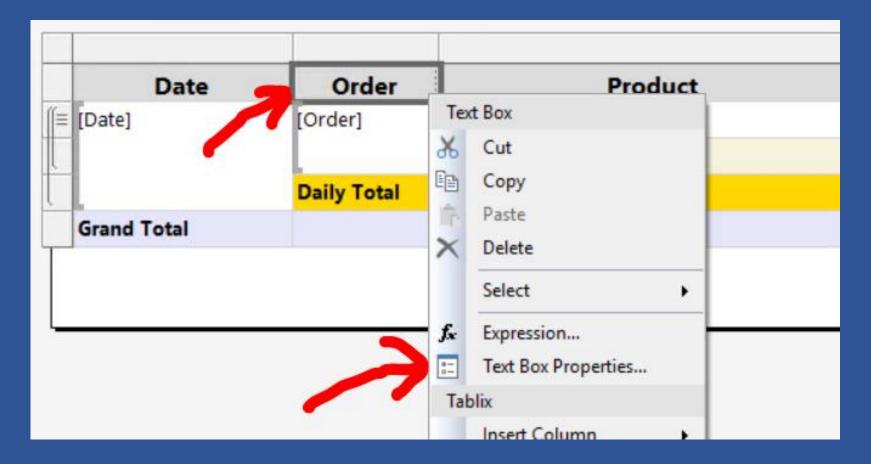
- Copy table from previous report
- Make all group Visibility as Show

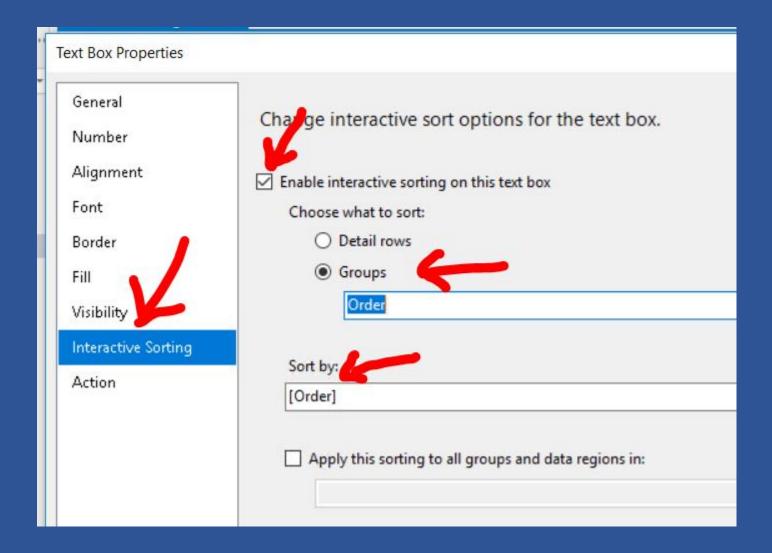


In Design view / your new report should look like so

Date	Order	Product	Qty	Line Total
January 28, 2013	SO49444	Men's Sports Shorts, L	1	\$35.99
		Order Total	1	\$35.99
	SO49447	Men's Bib-Shorts, M	2	\$107.99
		Order Total	2	\$107.99
	SO49448	Full-Finger Gloves, L	2	\$45.59
		Order Total	2	\$45.59
	SO49449	Full-Finger Gloves, L	2	\$45.59
		Order Total	2	\$45.59
	SO49450	AWC Logo Cap	2	\$10.37
		Full-Finger Gloves, M	7	\$159.56
		Long-Sleeve Logo Jersey, L	5	\$144.20
		Order Total	14	\$314.13
	SO49451	Full-Finger Gloves, L	2	\$45.59
		Full-Finger Gloves, S	4	\$91.18

In Design pane right-click Order / Text Box properties . . .





Design Preview				
4 4 1 of 2? ▶ 1	H # ® ®	🖨 🔲 🕮 🔫 - 100%	Find Nex	t
Date	Order ÷	Product	Qty	Line Total
January 28, 2013	SO49444	Men's Sports Shorts, L	1	\$35.99
		Order Total	1	\$35.99
	SO4 447	Men's Bib-Shorts, M	2	\$107.99
		Order Total	2	\$107.99
	SO49448	Full-Finger Gloves, L	2	\$45.59
		Order Total	2	\$45.59
	SO49449	Full-Finger Gloves, L	2	\$45.59
		Order Total	2	\$45.59
	SO49450	AWC Logo Cap	2	\$10.37
		Full-Finger Gloves, M 7	\$159.56	
		Long-Sleeve Logo Jersey, L	rsey, L 5 \$14	\$144.20
		Parameter and the second secon	4.4	222222

To sort by LineTotal

Change interactive sort options for the text box. I Enable interactive sorting on this text box Choose what to sort: Detail rows Groups Order Sort by: [LineTotal]

To sort by product

Change interactive sort options for the text box.
Enable interactive sorting on this text box
Choose what to sort:
O Detail rows
Groups
Order
Sort by:
[Product]
Apply this sorting to all groups and data regions in: