

Matrix Grouping

Many layout options to explore



Overview

- Grouping on Rows and Columns
- Static Columns
- Adjacent Groups

Grouping in a Matrix Layout

		Column Grouping		Tablix Footer
	Sales Territory Group	2006	2007	Total
Row Grouping	Europe	\$1,698,880.94	\$5,632,816.55	\$7,331,697.49
	North America	\$22,445,548.71	\$25,722,421.91	\$48,167,970.62
	Pacific		\$847,430.96	\$847,430.96
Tablix Footer	Total	\$24,144,429.65	\$32,202,669.43	\$56,347,099.08

<div>Row Groups</div> <div>[SalesTerritoryGroup]</div>	<div>Column Groups</div> <div>[CalendarYear]</div>
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Row Groups – Multiple Columns

Parent
group
spans
child
groups

Category	Sales Territory Group	2006	2007	Total
Accessories	Europe	\$8,976.30	\$71,680.31	\$80,656.61
	North America	\$83,759.05	\$209,264.78	\$293,023.83
	Pacific		\$15,587.79	\$15,587.79
Bikes	Europe	\$1,300,926.54	\$4,313,478.72	\$5,614,405.26
	North America	\$18,655,088.13	\$20,557,650.39	\$39,212,738.52
	Pacific		\$680,645.96	\$680,645.96
Clothing	Europe	\$52,003.83	\$172,404.70	\$224,408.54
	North America	\$433,583.32	\$673,337.01	\$1,106,920.33
	Pacific		\$26,122.48	\$26,122.48
Components	Europe	\$336,974.26	\$1,075,252.82	\$1,412,227.08
	North America	\$3,273,118.21	\$4,282,169.74	\$7,555,287.95
	Pacific		\$125,074.73	\$125,074.73
Total		\$24,144,429.65	\$32,202,669.43	\$56,347,099.08

Row Groups	Column Groups
Category	CalendarYear
SalesTerritoryGroup	

Row Groups – Single Column

Parent
group
appears
above
child
group

Sales Territory Group	2006	2007	Total
<i>Accessories</i>	\$92,735.35	\$296,532.88	\$389,268.23
Europe	\$8,976.30	\$71,680.31	\$80,656.61
North America	\$83,759.05	\$209,264.78	\$293,023.83
Pacific		\$15,587.79	\$15,587.79
<i>Bikes</i>	\$19,956,014.67	\$25,551,775.07	\$45,507,789.75
Europe	\$1,300,926.54	\$4,313,478.72	\$5,614,405.26
North America	\$18,655,088.13	\$20,557,650.39	\$39,212,738.52
Pacific		\$680,645.96	\$680,645.96
<i>Clothing</i>	\$485,587.15	\$871,864.19	\$1,357,451.34
Europe	\$52,003.83	\$172,404.70	\$224,408.54
North America	\$433,583.32	\$673,337.01	\$1,106,920.33
Pacific		\$26,122.48	\$26,122.48
<i>Components</i>	\$3,610,092.47	\$5,482,497.29	\$9,092,589.76
Europe	\$336,974.26	\$1,075,252.82	\$1,412,227.08
North America	\$3,273,118.21	\$4,282,169.74	\$7,555,287.95
Pacific		\$125,074.73	\$125,074.73
Total	\$24,144,429.65	\$32,202,669.43	\$56,347,099.08

Row Groups	Column Groups
[Category]	[CalendarYear]
[SalesTerritoryGroup]	

Static Columns – Repeating Columns

Static columns repeat with each group instance

Sales Territory Group	2006		2007		Total
	Sales	Order Qty	Sales	Order Qty	
<i>Accessories</i>	\$92,735.35	5,207	\$296,532.88	13,136	\$389,268.23
Europe	\$8,976.30	514	\$71,680.31	3,111	\$80,656.61
North America	\$83,759.05	4,693	\$209,264.78	9,450	\$293,023.83
Pacific			\$15,587.79	575	\$15,587.79
<i>Bikes</i>	\$19,956,014.67	22,231	\$25,551,775.07	31,310	\$45,507,789.75
Europe	\$1,300,926.54	1,589	\$4,313,478.72	5,333	\$5,614,405.26
North America	\$18,655,088.13	20,642	\$20,557,650.39	25,123	\$39,212,738.52
Pacific			\$680,645.96	854	\$680,645.96
<i>Clothing</i>	\$485,587.15	16,927	\$871,864.19	31,623	\$1,357,451.34
Europe	\$52,003.83	1,700	\$172,404.70	6,262	\$224,408.54
North America	\$433,583.32	15,227	\$673,337.01	24,420	\$1,106,920.33
Pacific			\$26,122.48	941	\$26,122.48
<i>Components</i>	\$3,610,092.47	13,876	\$5,482,497.29	24,103	\$9,092,589.76
Europe	\$336,974.26	1,320	\$1,075,252.82	4,549	\$1,412,227.08
North America	\$3,273,118.21	12,556	\$4,282,169.74	18,915	\$7,555,287.95
Pacific			\$125,074.73	639	\$125,074.73
Total	\$24,144,429.65	58,241	\$32,202,669.43	100,172	\$56,347,099.08

Static Columns – Adjacent Columns

Static column appears outside of existing column groups

Sales Territory Group	2006		2007		Total	Avg Sale
	Sales	Order Qty	Sales	Order Qty		
<i>Accessories</i>	\$92,735.35	5,207	\$296,532.88	13,136	\$389,268.23	21.22
Europe	\$8,976.30	514	\$71,680.31	3,111	\$80,656.61	22.25
North America	\$83,759.05	4,693	\$209,264.78	9,450	\$293,023.83	20.72
Pacific			\$15,587.79	575	\$15,587.79	27.11
<i>Bikes</i>	\$19,956,014.67	22,231	\$25,551,775.07	31,310	\$45,507,789.75	849.96
Europe	\$1,300,926.54	1,589	\$4,313,478.72	5,333	\$5,614,405.26	811.10
North America	\$18,655,088.13	20,642	\$20,557,650.39	25,123	\$39,212,738.52	856.83
Pacific			\$680,645.96	854	\$680,645.96	797.01
<i>Clothing</i>	\$485,587.15	16,927	\$871,864.19	31,623	\$1,357,451.34	27.96
Europe	\$52,003.83	1,700	\$172,404.70	6,262	\$224,408.54	28.18
North America	\$433,583.32	15,227	\$673,337.01	24,420	\$1,106,920.33	27.92
Pacific			\$26,122.48	941	\$26,122.48	27.76
<i>Components</i>	\$3,610,092.47	13,876	\$5,482,497.29	24,103	\$9,092,589.76	239.41
Europe	\$336,974.26	1,320	\$1,075,252.82	4,549	\$1,412,227.08	240.62
North America	\$3,273,118.21	12,556	\$4,282,169.74	18,915	\$7,555,287.95	240.07
Pacific			\$125,074.73	639	\$125,074.73	195.74
Total	\$24,144,429.65	58,241	\$32,202,669.43	100,172	\$56,347,099.08	355.70

Adjacent Groups

Dynamic groupings can exist independently on columns

Category	2006		2007		Total	Avg Sale	Europe	North America	Pacific
	Sales	Order Qty	Sales	Order Qty			Sales Amount	Sales Amount	Sales Amount
Accessories	\$92,735.35	5,207	\$296,532.88	13,136	\$389,268.23	21.22	\$80,656.61	\$293,023.83	\$15,587.79
Bikes	\$19,956,014.67	22,231	\$25,551,775.07	31,310	\$45,507,789.75	849.96	\$5,614,405.26	\$39,212,738.52	\$680,645.96
Clothing	\$485,587.15	16,927	\$871,864.19	31,623	\$1,357,451.34	27.96	\$224,408.54	\$1,106,920.33	\$26,122.48
Components	\$3,610,092.47	13,876	\$5,482,497.29	24,103	\$9,092,589.76	239.41	\$1,412,227.08	\$7,555,287.95	\$125,074.73
Total	\$24,144,429.65	58,241	\$32,202,669.43	100,172	\$56,347,099.08	355.70	\$7,331,697.49	\$48,167,970.62	\$847,430.96

Row Groups	Column Groups
[(Category)	[CalendarYear
	[SalesTerritoryGroup

Adjacent Groups

Dynamic groupings can also exist independently on rows

Sales Territory Group	2006		2007		Total	Avg Sale
	Sales	Order Qty	Sales	Order Qty		
Accessories	\$92,735.35	5,207	\$296,532.88	13,136	\$389,268.23	21.22
Bikes	\$19,956,014.67	22,231	\$25,551,775.07	31,310	\$45,507,789.75	849.96
Clothing	\$485,587.15	16,927	\$871,864.19	31,623	\$1,357,451.34	27.96
Components	\$3,610,092.47	13,876	\$5,482,497.29	24,103	\$9,092,589.76	239.41
Total	\$24,144,429.65	58,241	\$32,202,669.43	100,172	\$56,347,099.08	355.70
Europe	\$1,698,880.94	5,123	\$5,632,816.55	19,255	\$7,331,697.49	300.75
North America	\$22,445,548.71	53,118	\$25,722,421.91	77,908	\$48,167,970.62	367.62
Pacific			\$847,430.96	3,009	\$847,430.96	281.63

Row Groups		Column Groups	
[(Category)]		[CalendarYear]	
[SalesTerritoryGroup]			

Summary

- **Grouping on Rows and Columns**
 - Nested groupings – side by side or stacked
- **Static Columns**
 - Repeating, adjacent
- **Adjacent Groups**
 - Independent groups on same axis (rows/columns), no impact on scope

References

- **Understanding Groups**
 - <http://msdn.microsoft.com/en-us/library/dd255263.aspx>
- **Exploring the Flexibility of a Tablix Data Region**
 - <http://msdn.microsoft.com/en-us/library/dd239400.aspx>