

# Crosstabs

A crosstab is an element that allows to print a table with a variable number of columns and rows depending by the data used to fill it. A crosstab can be populated using the main dataset or a sub-dataset (this allows to print several crosstabs in the same report). Rows and columns can be grouped by means of expressions, and totals and subtotals are displayed at the intersection of each row/column.

In the following sample the subreport displays cities in the rows grouped by country. In the columns there are months, grouped by year. The cells show the number of orders for each city and each period. The coloured cells show totals and subtotals of orders.

		1996						
		1996-07	1996-08	1996-09	1996-10	1996-11	1996-12	Total ORDERD
Argentina	Buenos Aires	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0
Austria	Graz	2	0	0	0	2	2	6
	Salzburg	0	0	0	0	1	1	2
	Total	2	0	0	0	3	3	8
Belgium	Bruxelles	0	0	0	0	0	0	0
	Charleroi	1	0	1	0	0	0	2
	Total	1	0	1	0	0	0	2
Brazil	Campinas	0	0	0	0	0	0	0
	Resende	1	0	0	0	0	0	1
	Rio de Janeiro	3	2	1	0	0	1	7
	Sao Paulo	0	2	0	0	1	2	5
	Total	4	4	1	0	1	3	13
Canada	Montréal	0	0	0	2	0	1	3
	Tsawassen	0	0	0	0	0	1	1
	Vancouver	0	0	0	0	0	0	0
	Total	0	0	0	2	0	2	4
Denmark	Kobenhavn	0	0	0	1	0	0	1
	Århus	0	0	0	0	1	1	2
	Total	0	0	0	1	1	1	3
Finland	Helsinki	0	0	0	0	0	0	0
	Oulu	1	1	0	2	0	0	4
	Total	1	1	0	2	0	0	4
France	Lille	0	0	0	0	0	0	0
	Lyon	1	0	0	1	0	0	2
	Marseille	0	0	0	2	1	0	3
	Nantes	0	0	1	0	0	0	1
	Paris	0	0	0	0	0	0	0
	Reims	1	1	1	0	0	0	3
	Strasbourg	1	0	1	0	1	0	3
	Toulouse	0	0	0	0	2	1	3
	Versailles	0	0	0	0	0	0	0
	Total	3	1	3	3	4	1	15
Germany	Aachen	0	0	0	0	1	1	2
	Berlin	0	0	0	0	0	0	0
	Brandenburg	0	0	0	2	0	0	2

		1996						
		1996-07	1996-08	1996-09	1996-10	1996-11	1996-12	Total ORDERD
Germany	Cunewalde	0	3	1	0	2	0	6
	Frankfurt a.M.	0	2	0	1	0	0	3
	Köln	1	0	0	0	0	0	1
	Leipzig	0	1	0	0	0	0	1
	Mannheim	0	0	0	0	0	0	0
	München	1	0	0	2	0	1	4
	Münster	1	0	0	0	0	0	1
	Stuttgart	0	0	2	0	2	0	4
	Total	3	6	3	5	5	2	24
Ireland	Cork	0	0	2	1	0	2	5
	Total	0	0	2	1	0	2	5
Italy	Bergamo	0	1	1	0	0	0	2
	Reggio Emilia	0	1	0	0	0	0	1
	Torino	0	0	0	0	0	0	0
	Total	0	2	1	0	0	0	3
Mexico	México D.F.	1	2	2	2	2	0	9
	Total	1	2	2	2	2	0	9
Norway	Stavern	0	0	0	0	0	1	1
	Total	0	0	0	0	0	1	1
Poland	Warszawa	0	0	0	0	0	1	1
	Total	0	0	0	0	0	1	1
Portugal	Lisboa	0	0	0	2	1	1	4
	Total	0	0	0	2	1	1	4
Spain	Barcelona	0	0	0	0	1	0	1
	Madrid	0	2	1	1	0	0	4
	Sevilla	0	0	1	0	0	0	1
	Total	0	2	2	1	1	0	6
Sweden	Bräcke	1	0	0	1	0	1	3
	Luleå	0	2	0	0	0	1	3
	Total	1	2	0	1	0	2	6
Switzerland	Bern	1	0	0	0	0	1	2
	Genève	1	0	0	0	0	0	1
	Total	2	0	0	0	0	1	3
UK	Colchester	0	0	0	0	1	1	2
	Cowes	0	0	1	2	0	0	3
	London	0	1	0	0	2	2	5
	Total	0	1	1	2	3	3	10
USA	Albuquerque	1	2	2	0	1	0	6
	Anchorage	0	0	1	1	0	0	2
	Boise	0	0	0	1	0	2	3
	Butte	0	0	0	0	0	0	0
	Elgin	0	0	0	0	0	2	2
	Eugene	0	0	0	0	0	0	0
	Kirkland	0	0	0	0	0	0	0
	Lander	0	1	0	1	1	2	5
	Portland	0	0	3	0	0	0	3
	San Francisco	0	0	0	0	0	0	0
	Seattle	1	0	0	0	1	0	2
	Walla Walla	0	0	0	0	0	0	0
Total	2	3	6	3	3	6	23	

		1996							Total ORDERD
		1996-07	1996-08	1996-09	1996-10	1996-11	1996-12		
Venezuela	Barquisimeto	0	1	1	1	1	1	5	
	Caracas	1	0	0	0	0	0	1	
	I. de Margarita	0	0	0	0	0	0	0	
	San Cristóbal	1	0	0	0	0	1	2	
	Total	2	1	1	1	1	2	8	
Total SHIPCOUNTRY		22	25	23	26	25	31	152	

		1997							
		1997-01	1997-02	1997-03	1997-04	1997-05	1997-06	1997-07	1997-08
Argentina	Buenos Aires	1	1	0	1	1	0	0	0
	Total	1	1	0	1	1	0	0	0
Austria	Graz	3	1	0	1	0	1	1	1
	Salzburg	1	0	1	0	1	0	1	0
	Total	4	1	1	1	1	1	2	1
Belgium	Bruxelles	0	0	0	0	1	0	0	1
	Charleroi	0	1	2	0	0	0	0	0
	Total	0	1	2	0	1	0	0	1
Brazil	Campinas	1	0	0	0	0	0	0	0
	Resende	1	0	0	0	0	0	1	1
	Rio de Janeiro	1	1	1	0	1	1	1	4
	Sao Paulo	2	0	2	3	0	1	1	2
	Total	5	1	3	3	1	2	3	7
Canada	Montréal	1	1	0	1	0	2	2	2
	Tsawassen	3	0	0	1	0	0	0	0
	Vancouver	0	0	0	1	0	0	0	1
	Total	4	1	0	3	0	2	2	3
Denmark	Kobenhavn	1	0	0	0	0	1	0	1
	Århus	0	0	1	0	0	0	2	0
	Total	1	0	1	0	0	1	2	1
Finland	Helsinki	0	0	0	0	0	0	1	0
	Oulu	2	2	0	0	2	1	0	1
	Total	2	2	0	0	2	1	1	1
France	Lille	1	0	1	0	0	0	0	1
	Lyon	0	2	1	0	1	0	0	0
	Marseille	0	0	1	1	1	0	0	0
	Nantes	0	0	0	0	0	0	1	0
	Paris	0	0	0	0	0	0	0	0
	Reims	0	0	0	0	0	0	0	0
	Strasbourg	0	2	0	0	0	3	0	1
	Toulouse	2	1	0	2	0	0	1	1
	Versailles	0	0	0	0	0	0	0	0
	Total	3	5	3	3	2	3	2	3
Germany	Aachen	0	0	0	0	0	0	0	0
	Berlin	0	0	0	0	0	0	0	1
	Brandenburg	0	2	1	1	1	0	0	1
	Cunewalde	1	1	0	1	3	0	1	0
	Frankfurt a.M.	0	0	0	2	2	1	2	0

		1997							
		1997-01	1997-02	1997-03	1997-04	1997-05	1997-06	1997-07	1997-08
Germany	Köln	1	0	0	1	1	1	0	0
	Leipzig	0	0	0	0	0	1	0	0
	Mannheim	0	0	0	2	0	1	1	0
	München	0	0	1	0	0	1	0	1
	Münster	0	2	0	0	1	0	1	0
	Stuttgart	0	0	0	1	0	0	0	2
	Total	2	5	2	8	8	5	5	5
Ireland	Cork	1	0	0	2	0	1	0	1
	Total	1	0	0	2	0	1	0	1
Italy	Bergamo	1	0	1	0	0	0	0	1
	Reggio Emilia	1	1	0	0	0	1	1	0
	Torino	1	0	0	0	0	0	0	0
	Total	3	1	1	0	0	1	1	1
Mexico	México D.F.	0	0	1	3	1	2	0	1
	Total	0	0	1	3	1	2	0	1
Norway	Stavern	0	0	0	1	0	0	0	1
	Total	0	0	0	1	0	0	0	1
Poland	Warszawa	0	0	0	0	0	0	1	0
	Total	0	0	0	0	0	0	1	0
Portugal	Lisboa	0	1	3	0	1	0	1	0
	Total	0	1	3	0	1	0	1	0
Spain	Barcelona	1	0	0	0	0	1	0	0
	Madrid	0	0	0	0	0	0	0	0
	Sevilla	0	0	0	0	1	0	0	1
	Total	1	0	0	0	1	1	0	1
Sweden	Bräcke	0	2	0	0	1	1	0	0
	Luleå	0	2	0	0	1	1	0	1
	Total	0	4	0	0	2	2	0	1
Switzerland	Bern	0	0	0	1	0	0	0	0
	Genève	1	0	0	0	1	0	0	0
	Total	1	0	0	1	1	0	0	0
UK	Colchester	0	1	0	0	0	1	0	0
	Cowes	0	0	1	0	0	0	0	1
	London	1	1	4	1	5	1	1	0
	Total	1	2	5	1	5	2	1	1
USA	Albuquerque	1	0	1	0	0	2	1	0
	Anchorage	0	1	0	0	0	0	1	0
	Boise	0	2	0	1	0	1	3	1
	Butte	0	0	0	0	0	0	0	1
	Elgin	1	0	0	0	0	0	1	0
	Eugene	0	0	0	0	1	0	3	0
	Kirkland	0	0	0	0	0	2	0	0
	Lander	1	0	0	0	0	0	0	0
	Portland	0	0	0	0	1	0	0	0
	San Francisco	0	0	0	0	0	1	0	0
	Seattle	0	0	2	1	0	0	1	0
	Walla Walla	0	0	1	0	1	0	0	0
	Total	3	3	4	2	3	6	10	2
Venezuela	Barquisimeto	0	1	0	1	1	0	0	0
	Caracas	0	0	0	0	0	0	0	0

		1997							
		1997-01	1997-02	1997-03	1997-04	1997-05	1997-06	1997-07	1997-08
Venezuela	I. de Margarita	1	0	1	0	0	0	0	1
	San Cristóbal	0	0	3	1	1	0	2	1
	Total	1	1	4	2	2	0	2	2
Total SHIPCOUNTRY		33	29	30	31	32	30	33	33

		1997					1998		
		1997-09	1997-10	1997-11	1997-12	Total ORDERD	1998-01	1998-02	1998-03
Argentina	Buenos Aires	0	1	0	1	6	2	3	3
	Total	0	1	0	1	6	2	3	3
Austria	Graz	1	1	0	5	15	2	1	2
	Salzburg	1	0	1	0	6	1	0	0
	Total	2	1	1	5	21	3	1	2
Belgium	Bruxelles	0	0	0	1	3	0	2	1
	Charleroi	0	0	0	1	4	2	1	1
	Total	0	0	0	2	7	2	3	2
Brazil	Campinas	2	1	1	2	7	0	0	1
	Resende	0	0	0	1	4	1	2	1
	Rio de Janeiro	0	2	0	3	15	2	3	4
	Sao Paulo	1	2	1	1	16	3	3	2
	Total	3	5	2	7	42	6	8	8
Canada	Montréal	0	1	0	0	10	0	0	0
	Tsawassen	0	0	1	0	5	0	0	5
	Vancouver	0	0	0	0	2	1	0	0
	Total	0	1	1	0	17	1	0	5
Denmark	Kobenhavn	1	0	0	1	5	0	0	0
	Århus	0	1	1	1	6	0	0	2
	Total	1	1	1	2	11	0	0	2
Finland	Helsinki	1	1	0	0	3	0	3	0
	Oulu	0	0	1	1	10	0	0	0
	Total	1	1	1	1	13	0	3	0
France	Lille	0	0	0	2	5	0	0	0
	Lyon	0	0	0	1	5	3	0	0
	Marseille	1	1	3	0	8	1	2	2
	Nantes	2	0	0	0	3	1	1	1
	Paris	0	0	1	0	1	0	1	1
	Reims	0	0	2	0	2	0	0	0
	Strasbourg	1	0	0	0	7	1	0	0
	Toulouse	0	0	0	1	8	1	0	1
	Versailles	0	0	0	0	0	1	0	3
	Total	4	1	6	4	39	8	4	8
Germany	Aachen	0	0	0	1	1	1	0	0
	Berlin	0	2	0	0	3	1	0	1
	Brandenburg	0	1	0	1	8	2	1	0
	Cunewalde	1	3	1	2	14	1	2	2
	Frankfurt a.M.	0	0	0	1	8	1	1	1
	Köln	1	0	0	1	6	1	0	0
	Leipzig	0	1	0	1	3	0	0	1

		1997					1998		
		1997-09	1997-10	1997-11	1997-12	Total ORDERD	1998-01	1998-02	1998-03
Germany	Mannheim	0	0	0	0	4	1	0	1
	München	3	1	0	1	8	1	0	1
	Münster	0	0	0	0	4	0	0	1
	Stuttgart	2	0	0	0	5	0	0	0
	Total	7	8	1	8	64	9	4	8
Ireland	Cork	2	2	1	0	10	0	2	1
	Total	2	2	1	0	10	0	2	1
Italy	Bergamo	0	0	1	1	5	1	0	2
	Reggio Emilia	1	0	1	0	6	1	1	1
	Torino	0	1	1	1	4	0	0	0
	Total	1	1	3	2	15	2	1	3
Mexico	México D.F.	3	0	1	0	12	2	1	1
	Total	3	0	1	0	12	2	1	1
Norway	Stavern	0	0	0	0	2	1	1	0
	Total	0	0	0	0	2	1	1	0
Poland	Warszawa	0	0	0	1	2	0	2	0
	Total	0	0	0	1	2	0	2	0
Portugal	Lisboa	1	0	0	0	7	0	0	1
	Total	1	0	0	0	7	0	0	1
Spain	Barcelona	0	0	0	0	2	0	1	1
	Madrid	0	0	0	1	1	0	0	2
	Sevilla	0	0	0	0	2	0	4	1
	Total	0	0	0	1	5	0	5	4
Sweden	Bräcke	0	1	0	2	7	1	2	3
	Luleå	2	1	1	1	10	2	2	1
	Total	2	2	1	3	17	3	4	4
Switzerland	Bern	0	0	2	0	3	0	0	1
	Genève	1	0	2	0	5	0	0	2
	Total	1	0	4	0	8	0	0	3
UK	Colchester	0	1	2	2	7	0	1	2
	Cowes	1	0	1	1	5	1	0	1
	London	0	0	2	2	18	1	1	3
	Total	1	1	5	5	30	2	2	6
USA	Albuquerque	0	0	0	1	6	2	1	1
	Anchorage	1	1	0	0	4	2	0	1
	Boise	2	5	2	0	17	2	2	3
	Butte	0	0	0	1	2	0	0	0
	Elgin	1	0	0	0	3	0	0	0
	Eugene	2	0	0	0	6	1	0	1
	Kirkland	0	0	0	0	2	1	0	0
	Lander	0	0	1	0	2	1	0	1
	Portland	2	1	0	1	5	0	2	0
	San Francisco	0	1	1	0	3	0	1	0
	Seattle	0	3	1	0	8	1	1	0
	Walla Walla	0	0	0	0	2	0	0	0
	Total	8	11	5	3	60	10	7	7
Venezuela	Barquisimeto	0	0	0	1	4	1	1	0
	Caracas	0	0	0	1	1	0	0	0
	I. de Margarita	0	1	1	0	5	3	0	2

		1997					1998		
		1997-09	1997-10	1997-11	1997-12	Total ORDERD	1998-01	1998-02	1998-03
Venezuela	San Cristóbal	0	1	0	1	10	0	2	3
	Total	0	2	1	3	20	4	3	5
Total SHIPCOUNTRY		37	38	34	48	408	55	54	73

		1998			Total ORDERD ATE
		1998-04	1998-05	Total ORDERD	
Argentina	Buenos Aires	2	0	10	16
	Total	2	0	10	16
Austria	Graz	3	1	9	30
	Salzburg	1	0	2	10
	Total	4	1	11	40
Belgium	Bruxelles	1	0	4	7
	Charleroi	2	0	6	12
	Total	3	0	10	19
Brazil	Campinas	1	0	2	9
	Resende	0	0	4	9
	Rio de Janeiro	3	0	12	34
	Sao Paulo	1	1	10	31
	Total	5	1	28	83
Canada	Montréal	0	0	0	13
	Tsawassen	3	0	8	14
	Vancouver	0	0	1	3
	Total	3	0	9	30
Denmark	Kobenhavn	0	1	1	7
	Århus	1	0	3	11
	Total	1	1	4	18
Finland	Helsinki	1	0	4	7
	Oulu	1	0	1	15
	Total	2	0	5	22
France	Lille	0	0	0	5
	Lyon	0	0	3	10
	Marseille	0	1	6	17
	Nantes	0	0	3	7
	Paris	1	0	3	4
	Reims	0	0	0	5
	Strasbourg	0	0	1	11
	Toulouse	1	0	3	14
	Versailles	0	0	4	4
	Total	2	1	23	77
Germany	Aachen	1	1	3	6
	Berlin	1	0	3	6
	Brandenburg	1	0	4	14
	Cunewalde	3	0	8	28
	Frankfurt a.M.	0	1	4	15
	Köln	2	0	3	10
	Leipzig	0	0	1	5
	Mannheim	1	0	3	7

		1998			Total ORDERD ATE
		1998-04	1998-05	Total ORDERD	
Germany	München	1	0	3	15
	Münster	0	0	1	6
	Stuttgart	1	0	1	10
	Total	11	2	34	122
Ireland	Cork	1	0	4	19
	Total	1	0	4	19
Italy	Bergamo	0	0	3	10
	Reggio Emilia	2	0	5	12
	Torino	2	0	2	6
	Total	4	0	10	28
Mexico	México D.F.	1	2	7	28
	Total	1	2	7	28
Norway	Stavern	1	0	3	6
	Total	1	0	3	6
Poland	Warszawa	2	0	4	7
	Total	2	0	4	7
Portugal	Lisboa	1	0	2	13
	Total	1	0	2	13
Spain	Barcelona	0	0	2	5
	Madrid	1	0	3	8
	Sevilla	2	0	7	10
	Total	3	0	12	23
Sweden	Bräcke	3	0	9	19
	Luleå	0	0	5	18
	Total	3	0	14	37
Switzerland	Bern	2	0	3	8
	Genève	1	1	4	10
	Total	3	1	7	18
UK	Colchester	1	0	4	13
	Cowes	0	0	2	10
	London	5	0	10	33
	Total	6	0	16	56
USA	Albuquerque	1	1	6	18
	Anchorage	1	0	4	10
	Boise	3	1	11	31
	Butte	1	0	1	3
	Elgin	0	0	0	5
	Eugene	3	0	5	11
	Kirkland	0	0	1	3
	Lander	0	0	2	9
	Portland	2	0	4	12
	San Francisco	0	0	1	4
	Seattle	1	1	4	14
	Walla Walla	0	0	0	2
	Total	12	3	39	122
	Venezuela	Barquisimeto	1	2	5
Caracas		0	0	0	2
I. de Margarita		2	0	7	12
San Cristóbal		1	0	6	18
Total		4	2	18	46

	1998			Total ORDERD ATE
	1998-04	1998-05	Total ORDERD	
Total SHIPCOUNTRY	74	14	270	830