



Cross Tabulation

What a physical register or Excel spreadsheet looks like

dsoi_nc	food	wine
qp8	0	100
qp5	300	150
qp4	90	100
qp3	0	50
qp2	0	200
qp1	100	0
	490	600

How an RDBM app captures data

dsoi_nc	exp_head	exp_amou
qp8	liq	100
qp5	catering	300
qp5	liq	150
qp4	catering	90
qp4	liq	100
qp3	liq	50
qp2	liq	200
qp1	catering	100

Syntax for cross tabulation (one of the many methods)

```
select
    Dsoi_no,
    sum(if(exp_head='catering',exp_amount,0)) as food,
    sum(if(exp_head='liq',exp_amount,0)) as wine
from
    dsoi
group by
    dsoi_no
```