

```

data AB;
input A $ B $ Count;
cards;
A1 B1 80
A1 B2 120
A1 B3 100
A2 B1 30
A2 B2 50
A2 B3 20
;
proc freq data = AB;
table B*A / chisq;
weight Count;
run;

```

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The SAS System  
The FREQ Procedure  
Table of B by A

B	A		
	A1	A2	Total
Frequency			
Percent			
Row Pct			
Col Pct			
B1	80	30	110
	20.00	7.50	27.50
	72.73	27.27	
	26.67	30.00	
B2	120	50	170
	30.00	12.50	42.50
	70.59	29.41	
	40.00	50.00	
B3	100	20	120
	25.00	5.00	30.00
	83.33	16.67	
	33.33	20.00	
Total	300	100	400
	75.00	25.00	100.00

Statistics for Table of B by A

Statistic	DF	Value	Prob
Chi-Square	2	6.5122	0.0385
Likelihood Ratio Chi-Square	2	6.8527	0.0325
Mantel-Haenszel Chi-Square	1	3.6181	0.0572
Phi Coefficient		0.1276	
Contingency Coefficient		0.1266	
Cramer's V		0.1276	

Sample Size = 400