Calculating X²

Goodness-of-fit test

Are the 3 groups independent of each other?

$$\chi^2 =$$

$$E_{ij} =$$

	Group1	Group2	Group3	T$_{row}$
Observed	50	10	30	

$$\chi^2 =$$

Contingency test

Is Variable A independent of Variable B?

$$\chi^2 =$$

$$E_{ij} =$$

	VarA1	VarA2	VarA3	T$_{row}$
VarB1	15	5	20	
VarB2	35	5	10	
T$_{column}$				

$$\chi^2 =$$