

Table 9.10

Calculating the Chi-Square for Domestic War by Political Competition

<i>Cells</i>	f_x	<i>Row Proportion</i>	<i>Column n</i>	$E(X)$	$f_x - E(X)$	$[f_x - E(X)]^2$	$\frac{[f_x - E(X)]^2}{E(X)}$
No, Rep.	13	0.842	14	11.788	1.212	1.469	0.125
No, Sup.	14	0.842	16	13.472	0.528	0.279	0.021
No, Fact.	26	0.842	35	29.470	-3.470	12.041	0.409
No, Trans.	40	0.842	51	42.942	-2.942	8.655	0.202
No, Comp.	35	0.842	36	30.312	4.688	21.977	0.725
Dom., Rep.	1	0.158	14	2.212	-1.212	1.469	0.664
Dom., Sup.	2	0.158	16	2.528	-0.528	0.279	0.110
Dom., Fact.	9	0.158	35	5.530	3.470	12.041	2.177
Dom., Trans.	11	0.158	51	8.058	2.942	8.655	1.074
Dom., Comp.	1	0.158	36	5.688	-4.688	21.977	3.864

$$\chi^2 = \Sigma = 9.370$$

$$\begin{aligned} \text{d.f.} &= (c - 1)(r - 1) \\ &= (4)(1) = 4 \end{aligned}$$

$$\text{Prob.} < 0.10$$