

Table 9.8 Computation of chi-square test for Taco Bell Curve drive-in arrivals

Number of cars (x)	Observed frequency (p_i)	Expected frequency (e_i)	Difference ($p_i - e_i$)	Squared difference ($p_i - e_i$) ²	Squared difference divided by expected frequency ($p_i - e_i$) ² / e_i
0-3	16	11.61	4.39	19.27	1.66
4	7	11.44	-4.44	19.71	1.72
5	10	14.74	-4.74	22.47	1.52
6	13	15.82	-2.82	7.95	0.50
7	15	14.55	0.45	0.20	0.01
8	17	11.71	5.29	27.98	2.39
9	10	8.38	1.62	2.62	0.31
10	7	5.4	1.6	2.56	0.47
11 or more	5	6.35	-1.35	1.82	0.29
	100	100		Chi-sq. =	8.89