

Table 14.2 χ^2 Goodness-of-Fit Hand-Calculations

Soda Preference	Observed Preference	Expected Preference	Observed – Expected	(Observed – Expected) ²	$\frac{(\text{Observed} - \text{Expected})^2}{\text{Expected Preference}}$
Coke	70	70	0	0	$\frac{0}{70} = 0$
Pepsi	75	70	5	25	$\frac{25}{70} = 0.36$
Dr. Pepper	65	70	-5	25	$\frac{25}{70} = 0.36$
					$\chi^2 = 0.72$