

9.15 To see if there is significant difference between the two towns, test $H_0 : p_1 = p_2$ vs $H_A : p_1 \neq p_2$.

As in Example 9.17, $n_1 = 70$, $n_2 = 100$, $\hat{p}_1 = 0.6$, and $\hat{p}_2 = 0.59$. Compute the pooled proportion,

$$\hat{p}(\text{pooled}) = \frac{(70)(0.6) + (100)(0.59)}{70 + 100} = 0.5941.$$