









Step 3: by hand:

$$2375 - .1733$$

$$Z = \frac{.1957(.8043)}{.1957(.8043)} \frac{1}{80} + \frac{1}{150} = 1.17$$

$$\hat{p}_{c} = \frac{x_{1} + x_{2}}{y_{1} + y_{2}} = \frac{19 + 26}{.80 + 150} = \frac{.45}{.230} = .1957$$

$$Pvnl = .242$$

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[Step 4]

Conclude

Since the p-value (.243) is greater than \propto (.05) we fail to reject the Null Hypothesis. We cannot conclude that there is a difference in the proportion of students who ate breakfast at school I \pm school II.