

$$\begin{aligned}
 \mathcal{C} &= \frac{\left(\hat{p}_1 - \hat{p}_2\right) - (p_1 - p_2)_0}{\sqrt{\frac{\bar{p}(1 - \bar{p})}{n_1} + \frac{\bar{p}(1 - \bar{p})}{n_2}}} = \frac{(0.14 - 0.24) - 0}{\sqrt{\frac{(0.2)(0.8)}{150} + \frac{(0.2)(0.8)}{200}}} =
 \end{aligned}$$