21. (1)
$$\hat{p} = \frac{105}{250} = 0.42$$

$$0.42 \pm \frac{7}{20.05} = 0.42 \times 0.58$$

$$(2) \frac{7}{2} \frac{7}{2} \sqrt{\frac{\hat{p}(1-\hat{p})}{h}} = \frac{7}{2} 6.025 \sqrt{\frac{0.50 \times 0.40}{80}}$$

$$= 1.96 \times 0.06 = 0.12$$

$$(\hat{p}_{1} - \hat{p}_{2}) + Z_{\frac{a}{2}} \sqrt{\frac{\hat{p}_{1}(1-\hat{p}_{1})}{h_{1}} + \frac{\hat{p}_{2}(1+\hat{p}_{2})}{h_{2}}}$$

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