

Solutions

Each answer shows the steps, then the **result**.

2.1

- $\hat{p} \pm z^* \sqrt{\frac{\hat{p}(1 - \hat{p})}{n}}$

2.2

- 1.96

2.3

- $\text{ME} = 1.96 \sqrt{\frac{0.5(0.5)}{100}} = 1.96(0.05) = 0.098$

3.1 A

3.2 C

3.3

(a)

- $\text{ME} = 1.96 \sqrt{\frac{0.4(0.6)}{100}} = 1.96(0.049) = 0.096$

(b)

- (0.304, 0.496)