Exercise good 47 Pen and Paper

Lo (]. (confidence intervals) =
$$\hat{P} + 2 \sqrt{\frac{\hat{P}(1-\hat{P})}{N}} = 0.15 + 0.0207 = \begin{cases} 6.9707 \\ 0.9293 \end{cases}$$

$$\hat{p} = \frac{N - K}{N} = 1 - \frac{K}{N} = 1 - \frac{5}{100} = 0.95$$

$$\text{CJ} \in [0.9293, 0.9787]$$

$$z = 1 - \frac{1}{2} \alpha = 1 - \frac{1}{2} 0.1 = 0.15$$

2. K = 3 test samples mischssifted

$$C1 = 0.97 + 0.0162 = \begin{cases} 0.9862 \\ 0.9538 \end{cases}$$
 — $CT \in [0.9538, 0.9862]$

$$P = 1 - \frac{3}{100} = 0.97$$

$$\omega = \frac{\lambda}{(\lambda+2)(\lambda+8)} \begin{pmatrix} \zeta_{1} + \lambda & 2 \\ \zeta_{1} & \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + 2 \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + 2 \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1} + \lambda \\ \zeta_{1} + \lambda \\ \zeta_{2} \end{pmatrix} \begin{pmatrix} \zeta_{1$$