NO
DATE

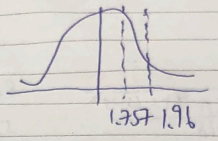
6(4) $\bar{x}=4.65$ $S=1.26$

(1) $n=40$, $\alpha=0.05$

$H_0: \mu=4.3$ $H_1: \mu\neq 4.3$

$z_{0.025}=1.96$

$\frac{4.65-4.3}{\frac{1.26}{\sqrt{40}}}=1.757$ 不拒绝

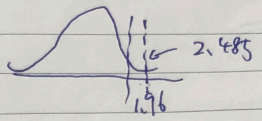


(2) $n=80$ $\alpha=0.05$

$H_0: \mu=4.3$ $H_1: \mu\neq 4.3$

$z_{0.025}=1.96$

$\frac{4.65-4.3}{\frac{1.26}{\sqrt{80}}}=2.485$ 拒绝 H_0

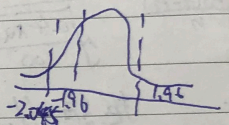


7. $H_0: \mu_1=\mu_2$ $H_1: \mu_1\neq\mu_2$

$z_{0.025}=1.96$

$\frac{(\bar{x}-\bar{y})-0}{\sqrt{\frac{S_1^2}{n_1}+\frac{S_2^2}{n_2}}}=\frac{98.3-100.1}{\sqrt{\frac{6^2}{100}+\frac{3^2}{80}}}=-2.045$

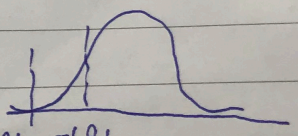
拒绝 H_0



拒绝

8. $H_0: \mu_1=\mu_2$ $H_1: \mu_1\neq\mu_2$

$\frac{(\bar{x}-\bar{y})-0}{S_p\sqrt{\frac{1}{n_1}+\frac{1}{n_2}}}=\frac{32-34}{3.430\sqrt{\frac{1}{64}+\frac{1}{81}}}=-3.486$



拒绝 H_0

$S_p=\sqrt{\frac{(n_1-1)S_1^2+(n_2-1)S_2^2}{n_1+n_2-2}}=\sqrt{\frac{63\times 3.2^2+80\times 3.6^2}{143}}=3.430$