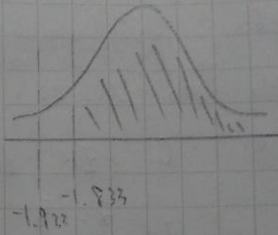


企管 = 甲  $\mu = 100$  分

1.  $H_0: \mu = 100$   $H_1: \mu < 100$   $\alpha = 0.05$

$t_{0.05}(9) = -1.833$

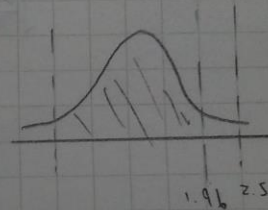
$\frac{190 - 198}{\frac{13.16}{\sqrt{10}}} = -1.922$  拒絕  $H_0 \Rightarrow$  合格



2.  $H_0: \mu = 420$   $H_1: \mu \neq 420$   $\alpha = 0.05$

$\frac{\alpha}{2} = 0.025$   $z_{0.025} = 1.96$

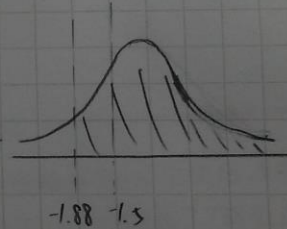
$\frac{423 - 420}{\frac{12}{\sqrt{100}}} = 2.5$  拒絕  $H_0 \Rightarrow$  規格改變



3.  $H_0: \mu \geq 70$   $H_1: \mu < 70$   $z_{0.05} = -1.88$

$\frac{68.5 - 70}{\frac{6}{\sqrt{36}}} = -1.5$

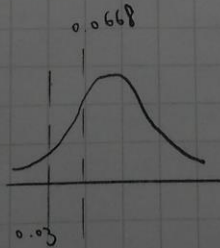
不拒絕  $H_0 \Rightarrow$  成績沒有不如去年



4.  $P(Z < -1.5)$

$= 0.0668 > 0.05$

$\Rightarrow$  不拒絕  $H_0$



(1) 5.  $H_0: \mu \leq 1.5$   $H_1: \mu > 1.5$   $L_{0.05}(4) = 2.132$

$\frac{1.52 - 1.5}{\frac{0.019}{\sqrt{5}}} = 2.754$

拒絕  $H_0 \Rightarrow$  招標不合格

