

5/5 實習課作業

$$1. H_0 = m \geq 198$$

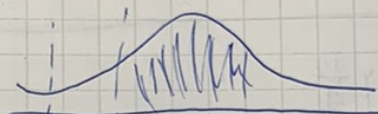
$$H_1 = m < 198$$

$$\alpha = 0.05$$

$$t = 0.05(19) = -1.833$$

拒絕 $H_0 \Rightarrow$ 合格

$$\frac{190 - 198}{\frac{136}{\sqrt{10}}} = -1.922$$



$$-1.922 \quad -1.833$$

$$2. H_0 = m = 420$$

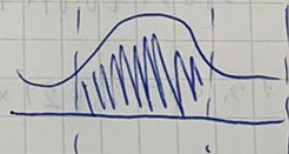
$$H_1 = m \neq 420$$

$$\alpha = 0.05 \frac{\alpha}{2} = 0.025$$

$$Z_{0.025} = 1.96$$

拒絕 $H_0 \Rightarrow$ 規格已改變

$$\frac{423 - 420}{\frac{12}{\sqrt{100}}} = 2.5$$



$$1.96$$

$$3. H_0 = m \geq 70$$

$$m_1 = m < 70$$

$$Z_{0.03} = -1.88$$

$$\frac{68.5 - 70}{\frac{6}{\sqrt{30}}} = -1.5$$

不拒絕 $H_0 \Rightarrow$ 成績沒有不如去年