

$$\mu = 14.32$$

$$\bar{x} = 14.68$$

1. 建立假設

$$H_0: \mu \leq 14.32 \quad \geq . =$$

$$H_1: \mu > 14.32$$

2.

$$Z = \frac{\bar{x} - \mu}{\sigma / \sqrt{n}}$$

$$\sigma = 1.45, n = 75$$

$$\frac{14.68 - 14.32}{1.45 / \sqrt{75}} = 2.15$$

$$p = 1 - 0.9842 = 0.0158$$

$$0.0158 < 0.05$$

\Rightarrow reject H_0