

$$9. t_{0.025}(18) = 2.101$$

$$H_0: \mu_1 = \mu_2 \quad H_1: \mu_1 \neq \mu_2$$

$$SP_{\frac{1}{n_1} + \frac{1}{n_2}} = \frac{(8-9) - 0}{5693 \left(\frac{1}{10} + \frac{1}{10} \right)} = 0.903$$

$$SP = \frac{9 \times (4.3263) + 9 \times 6.6595}{18} = 5.49$$

不拒絕 H_0

10. $z_{0.05} = 1.645$

$$Z = \frac{\hat{p} - p_0}{\sqrt{\frac{p_0(1-p_0)}{n}}} = \frac{0.45 - 0.4}{\sqrt{\frac{0.4 \times 0.6}{100}}} = 1.021$$

$$\sqrt{\frac{p_0(1-p_0)}{n}} = \sqrt{\frac{0.49 \times 0.5}{100}} = 0.05$$

Chavez culture