

## Answers to R-assignment 6

1. (A)

$$H_0 : p = 0.57 \text{ against } H_1 : p < 0.57$$

Yes

(B)

$$H_0 : p_1 = p_2 \text{ against } H_1 : p_1 \neq p_2$$

(I) Yes

(II) Yes

(C)

$$H_0 : \mu = 262 \text{ against } H_1 : \mu > 262$$

$$t = \frac{285 - 262}{\frac{31}{\sqrt{1500}}} = 28.74$$

$$t_{0.05}(1499) = 1.646$$

Yes