

Solutions

For each of the following Hypotheses, find the critical value from table 10

$$H_0: \mu_d = 0$$

$$H_1: \mu_d > 0$$

$$\alpha = 0.05$$

$$n = 10$$

Critical Value : +1.833

$$H_0: \mu_d = 0$$

$$H_1: \mu_d < 0$$

$$\alpha = 0.1$$

$$n = 12$$

Critical Value : -1.363

$$H_0: \mu_d = 0$$

$$H_1: \mu_d > 0$$

$$\alpha = 0.01$$

$$n = 24$$

Critical Value : +2.500

$$H_0: \mu_d = 0$$

$$H_1: \mu_d \neq 0$$

$$\alpha = 0.1$$

$$n = 21$$

Critical Value : ±1.725

$$H_0: \mu_d = 0$$

$$H_1: \mu_d \neq 0$$

$$\alpha = 0.01$$

$$n = 16$$

Critical Value : ±2.947

$$H_0: \mu_d = 0$$

$$H_1: \mu_d < 0$$

$$\alpha = 0.05$$

$$n = 26$$

Critical Value : -1.705

$$H_0: \mu_d = 0$$

$$H_1: \mu_d < 0$$

$$\alpha = 0.01$$

$$n = 8$$

Critical Value : -2.998

$$H_0: \mu_d = 0$$

$$H_1: \mu_d \neq 0$$

$$\alpha = 0.05$$

$$n = 25$$

Critical Value : ±2.064