



Paired t Test - Accept or Reject H₀?

For each of the following Test Statistics and Critical Regions, choose if we should ACCEPT or REJECT H₀.

$$H_0: \mu_d = 0$$
$$H_1: \mu_d \neq 0$$

Test Statistic: +2.414
Critical Value(s): ± 2.201

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d \neq 0$$

Test Statistic: -3.015
Critical Value(s): ± 3.055

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d > 0$$

Test Statistic: +1.658
Critical Value(s): +1.685

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d > 0$$

Test Statistic: +2.814
Critical Value(s): +2.228

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d < 0$$

Test Statistic: -1.601
Critical Value(s): -1.350

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d \neq 0$$

Test Statistic: -1.709
Critical Value(s): ± 1.753

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d < 0$$

Test Statistic: -2.765
Critical Value(s): -2.567

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d > 0$$

Test Statistic: +1.476
Critical Value(s): +2.861

ACCEPT H₀
 REJECT H₀

$$H_0: \mu_d = 0$$
$$H_1: \mu_d < 0$$

Test Statistic: -1.335
Critical Value(s): -1.328

ACCEPT H₀
 REJECT H₀

