

The calculated p-value for a hypothesis equals to  $p = 0.084$ .

Level of significance for the test is  $\alpha = 0.1$

The decision about the null hypothesis is always based on which of 2 values:  $p$ -value or significance level is bigger.

If p-value is bigger we fail to reject null hypothesis  $H_0$ .

If significance level is bigger we reject  $H_0$ .

In our case  $p = 0.084 < 0.1 = \alpha$  so we reject  $H_0$ .

**ANSWER:** reject  $H_0$ . There is sufficient evidence to support alternative hypothesis  $H_1$ .