

Assignment 6. Type I, Type II errors and Significant Levels

Work individually.

1. Suppose we want to test a hypothesis (H_1) that exercises has positive affect on GPA. We collect data and find p-value = .0125

Give the outcomes the test with the following significant levels (α)

a. $\alpha = .05$

b. $\alpha = .02$

c. $\alpha = .01$

2. State in sentences Type 1 and Type 2 when test the following hypotheses.

a. H_0 : Mr. ABC is innocent.

b. H_1 : Bryant graduates has a better chance of landing a job than graduates in Rhode Island

c. H_0 : Smoking does not have affect on overall health