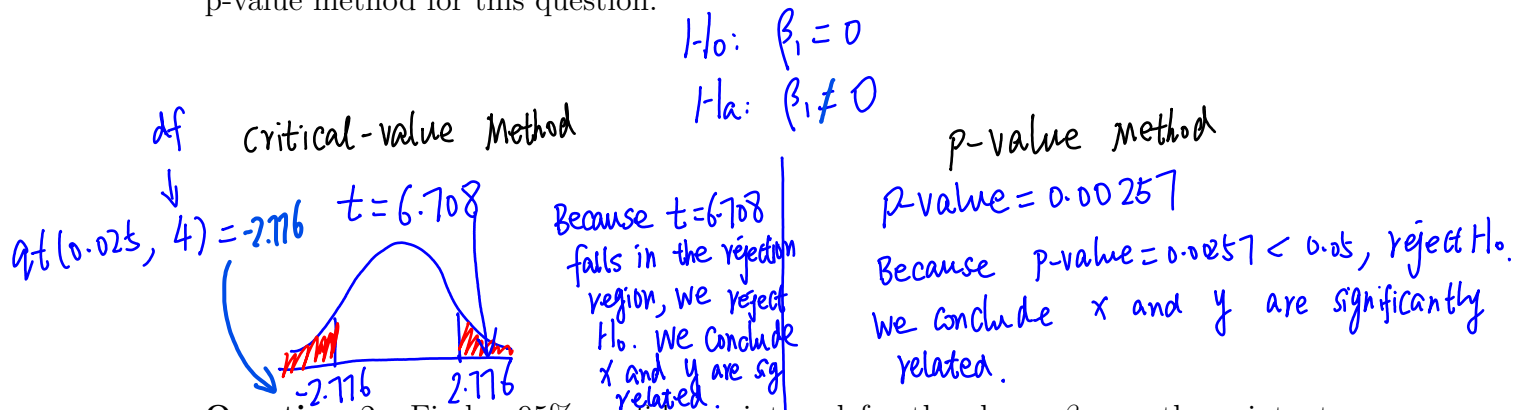


Please refer to the R output in Homework 0 (Page 102, Problem 3.6) and answer the following questions.

You could also refer to the R output in the HW0 solution here:

Rstudio.cloud → R code shown in class → Files → Example Homework 0 Try R markdown.pdf

Question 1. Does the data provide sufficient evidence to indicate that x and y are significantly related? Use $\alpha = 0.05$. Please use **both** critical value method and p-value method for this question.



Question 2. Find a 95% confidence interval for the slope, β_1 , on the printout. Interpret the result practically.

$\text{Confint}(\text{fit}, \text{level} = 0.95)$

0.5023817 1.211904

We are 95% confident that when x increase 1 unit, the mean value of y will increase 0.5 to 1.21 units.

Instruction: Please complete the quick quiz on a piece of paper. Then take a picture and submit to Blackboard → Work Submission.