

<u>Pre</u>	<u>Post</u>	
3	9	6
3	9	6
3	3	0
4	16	12
3	16	13
3	7	:
3	16	:
6	15	:
6	16	
5	21	

<u>Pre</u>	<u>Post</u>	
3	13	:
6	19	:
3	15	:
6	15	:

① Does studying help?

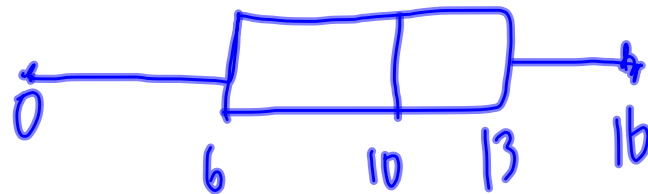
② Does writing it down make a difference?

Matched Pairs t-test

Justify

$$n = 14$$

There are no outliers and only a very slight skew to the left so use t -procedures.



post score - pre score

Hyp

$$H_0: \mu_0 = 0$$

The studying made no difference

$$H_a: \mu > 0$$

2-sample t-test

Justify - justify each sample separately

Hypotheses 1: writers 2: non-writers

NULL $H_0: \mu_1 = \mu_2$ $\mu_1 - \mu_2 = 0$

ALTERNATE $H_a: \mu_1 \neq \mu_2$ $\mu_1 - \mu_2 \neq 0$

Does writing help you remember more?

$H_a: \mu_1 > \mu_2$

OR
 $\mu_1 - \mu_2 > 0$