

Pre / Post

3	14
5	11
3	12
3	11
6	12
3	5
6	25
3	15
6	12
6	14

Pre / Post

3	16
3	16
3	10
8	18
3	11
6	16
5	14
6	16
7	19
3	6

Writers

9
8
6
2
8
10
9
10

n=8

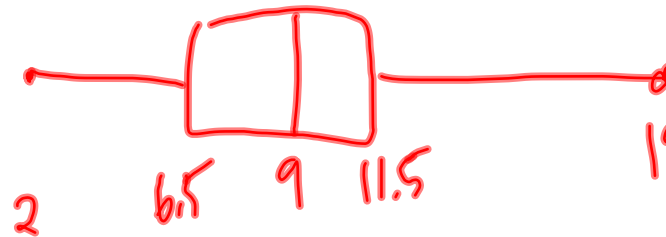
NonWriters

11
6
19
12
6
13
13
7
8
10
12
3

n=12

Matched Pairs t-test (1-sample)

T-procedures



$n = 20$
Since sample size
is a little small
check for major
outliers or skew
it looks ok, so
t-procedures are okay.

Hyp

Look at post score - pre score

$$H_0: \mu_0 = 0$$

$$H_a: \mu > 0$$

2-sample t-test

Justify: justify each sample
separately

Hypotheses

Null: $H_0: \mu_1 = \mu_2$

1: writers
2: non-writers

$$\mu_1 - \mu_2 = 0$$

Alternate: $H_a: \mu_1 \neq \mu_2$