

	Group	Pre-test	Post-test
1	Experiment	83.9	84.6
2	Experiment	67.5	90.8
3	Experiment	82.2	96.3
4	Experiment	74.1	98.8
5	Experiment	71	100
6	Experiment	80.2	92.8
7	Control	66.7	80.9
8	Control	50	67.9
9	Control	70.4	92
10	Control	72.2	96.9
11	Control	75.3	78.4
12	Control	96.3	96.3
13	Control	92	96.3
14	Control	48.1	72.8
15	Control	72.2	90.7
16	Control	74.7	84
17	Experiment	65.4	90.2
18	Experiment	51.9	77.3
19	Experiment	92	96.3
20	Experiment	79.8	100

### Matched Pairs

Provides a paired t test for matched variables.

Select Columns

▼ 3 Columns

- Group**
- Pre-test**
- Post-test**

Cast Selected Columns into Roles

Y, Paired Response

**Pre-test**  
**Post-test**  
*optional numeric*

X, Grouping

*optional*

Weight

*optional numeric*

Freq

*optional numeric*

By

**Group**  
*optional*

Action

OK

Cancel

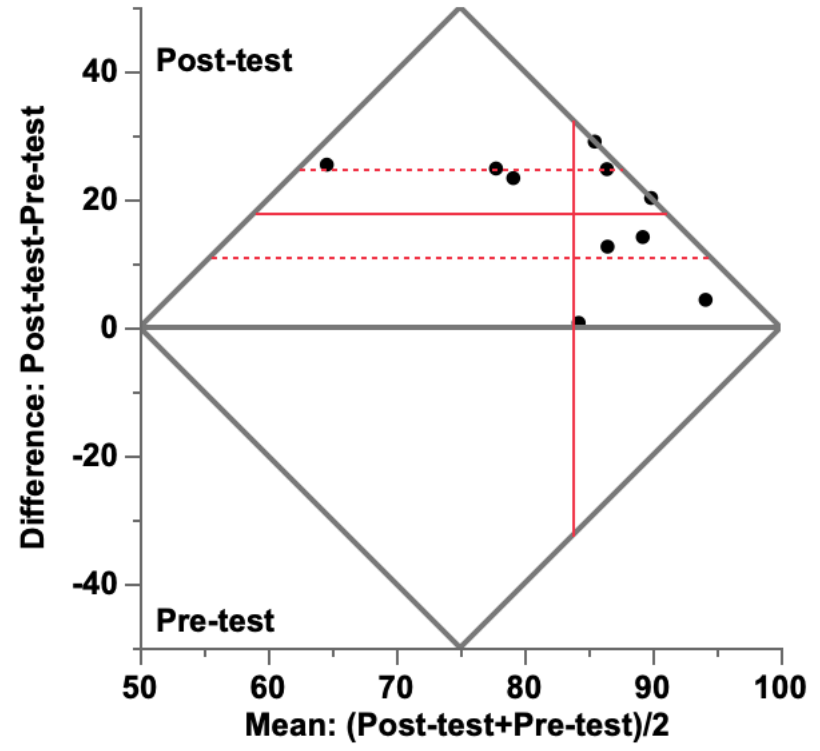
Remove

Recall

Help

## Experiment group

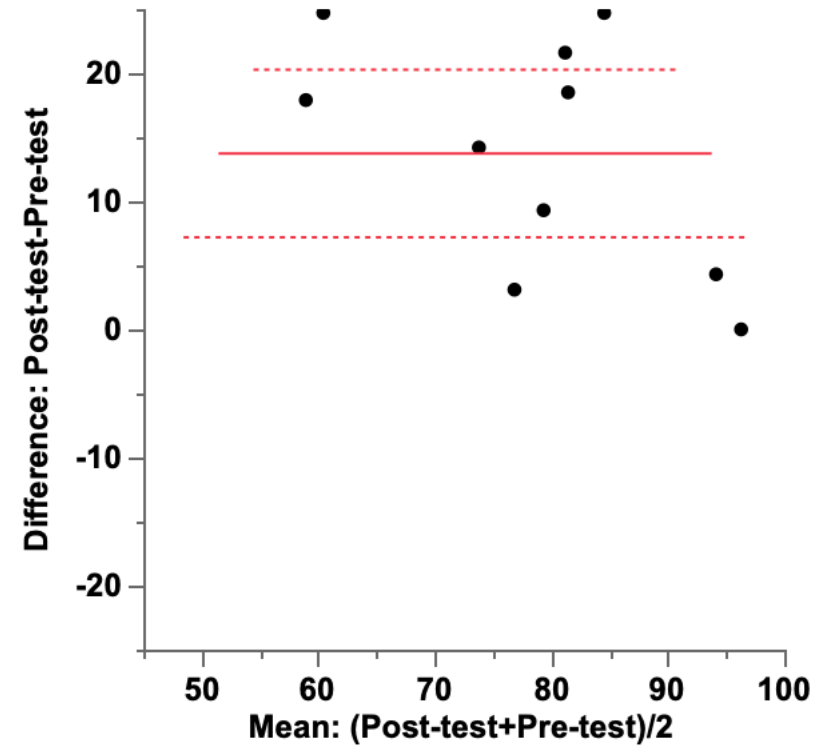
Matched Pairs Group=Experiment  
 Difference: Post-test-Pre-test



Post-test	92.71	t-Ratio	5.893769
Pre-test	74.8	DF	9
Mean Difference	17.91	Prob >  t	0.0002*
Std Error	3.0388	Prob > t	0.0001*
Upper 95%	24.7842	Prob < t	0.9999
Lower 95%	11.0358		
N	10		
Correlation	0.54599		

## Control group

Matched Pairs Group=Control  
 Difference: Post-test-Pre-test



Post-test	85.62	t-Ratio	4.781487
Pre-test	71.79	DF	9
Mean Difference	13.83	Prob >  t	0.0010*
Std Error	2.89241	Prob > t	0.0005*
Upper 95%	20.3731	Prob < t	0.9995
Lower 95%	7.28692		
N	10		
Correlation	0.81033		

Provides a paired t test for matched variables.

Select Columns

3 Columns

- Group
- Pre-test
- Post-test

Cast Selected Columns into Roles

Y, Paired Response

Pre-test  
Post-test

optional numeric

X, Grouping

Group

Weight

optional numeric

Freq

optional numeric

By

optional

Action

OK

Cancel

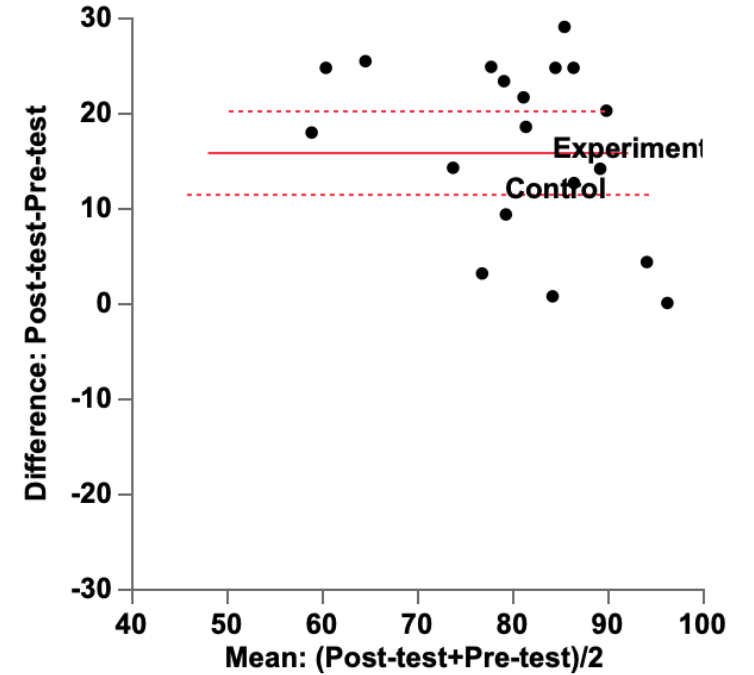
Remove

Recall

Help

Matched Pairs

Difference: Post-test-Pre-test



Post-test	89.165	t-Ratio	7.576468
Pre-test	73.295	DF	19
Mean Difference	15.87	Prob >  t	<.0001*
Std Error	2.09464	Prob > t	<.0001*
Upper 95%	20.2541	Prob < t	1.0000
Lower 95%	11.4859		
N	20		
Correlation	0.70442		

Across Groups

Group	Count	Mean Difference	Mean Mean
Control	10	13.83	78.705
Experiment	10	17.91	83.755

Test Across Groups

Groups	F Ratio	Prob>F	Within Pairs	Y Axis
Mean Difference	0.9458	0.3437		
Mean Mean	1.1680	0.2941	Among Pairs	X Axis