





## ► One Sample T-Test

### ▼ Paired Samples T-Test

 ID  
 before  
 after  
 change

▶

Variable Pairs

after

before

## Tests

- ☐ Student
- ☒ Wilcoxon signed-rank

### Alternative Hypothesis

- ☒ Measure 1  $\neq$  Measure 2
- ☐ Measure 1  $>$  Measure 2
- ☐ Measure 1  $<$  Measure 2

## Assumption Checks

- ☐ Normality
- ☐ Q-Q plot residuals

### Additional Statistics

- ☐ Location parameter

☐ Confidence interval  %

☐ Effect size

☐ Confidence interval  %

☐ Correct for correlation

☐ Descriptives

☐ Vovk-Sellke maximum p-ratio

## Plots

- ☐ Descriptives plots

Confidence interval  %

☒ Normalize error bars

☐ Raincloud plots

☐ Raincloud difference plots

☐ Horizontal display

☐ Bar plots

☒ Confidence interval  %

☐ Standard error

☒ Fix horizontal axis to 0

☐ Normalize error bars

## Missing Values

- ☒ Exclude cases per variable
- ☐ Exclude cases listwise

## Results

## One Sample T-Test

One Sample T-Test		
	V	p
change	7.000	0.037

**Note.** For the Wilcoxon test, the alternative hypothesis specifies that the median is different from 0.  
**Note.** Wilcoxon signed-rank test.

## Paired Samples T-Test

Paired Samples T-Test						
Measure 1		Measure 2	W	z	df	p
after	-	before	7.000	-2.090		0.037

*Note.* Wilcoxon signed-rank test.