






### ▼ Independent Samples T-Test


 ID



Dependent Variables

 grade

Grouping Variable

 tutor

## Tests

- ☒ Student
- ☐ Welch
- ☐ Mann-Whitney

### Alternative Hypothesis

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

## Assumption Checks

- ☒ Normality
- ☒ Equality of variances
  - ☒ Brown-Forsythe
  - ☐ Levene's
- ☐ Q-Q plot residuals

## Missing Values

- ☒ Exclude cases per dependent variable
- ☐ Exclude cases listwise

### Additional Statistics

- ☒ Location parameter

☒ Confidence interval  %

☒ Effect size

☒ Cohen's d

☐ Glass' delta

☐ Hedges' g

☐ Confidence interval  %

☒ Descriptives

☐ Vovk-Sellke maximum p-ratio

## Plots

- ☐ **Descriptives plots**

Confidence interval  %

☐ **Raincloud plots**

☐ Horizontal display

☐ **Bar plots**

☒ Confidence interval  %

☐ Standard error

☐ Fix horizontal axis to 0

## Results

## Independent Samples T-Test

	t	df	p	Mean Difference	SE Difference	95% CI for Mean Difference		Cohen's d	SE Cohen's d
						Lower	Upper		
grade	2.115	31	0.043	5.478	2.589	0.197	10.759	0.740	0.375

*Note.* Student's t-test.

## Assumption Checks

<i>Test of Normality (Shapiro-Wilk)</i>			
		W	p
grade	Anastasia	0.982	0.981
	Bernadette	0.969	0.780

**Note.** Significant results suggest a deviation from normality.

Test of Equality of Variances (Brown–Forsythe)				
	F	df <sub>1</sub>	df <sub>2</sub>	p
grade	2.129	1	31	0.155

## Descriptives

Group Descriptives						
	Group	N	Mean	SD	SE	Coefficient of variation
grade	Anastasia	15	74.533	8.999	2.324	0.121
	Bernadette	18	69.056	5.775	1.361	0.084