T-Test (Level of education)

Group Statistics

	Education Level	N	Mean	Std. Deviation	Std. Error Mean
Grdaes Without Type Hints	Graduate	30	5.90	3.916	.715
	Undergraduate	82	4.41	3.496	.386
Grdaes With Type Hints	Graduate	30	7.73	5.527	1.009
	Undergraduate	82	5.44	4.699	.519

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of .
		F	Sig.	t
Grdaes Without Type Hints	Equal variances assumed	.333	.565	1.928
	Equal variances not assumed			1.828
Grdaes With Type Hints	Equal variances assumed	2.600	.110	2.181
	Equal variances not assumed			2.022

Independent Samples Test

		t-test for Equality of Means		
			Significance	
		df	One-Sided p	Two-Sided p
Grdaes Without Type Hints	Equal variances assumed	110	.028	.056
	Equal variances not assumed	46.948	.037	.074
Grdaes With Type Hints	Equal variances assumed	110	.016	.031
	Equal variances not assumed	45.231	.025	.049

Independent Samples Test

		t-test for Equality of Means		
		Mean Difference	Std. Error Difference	95% Confidence Interval of the ... Lower
Grdaes Without Type Hints	Equal variances assumed	1.485	.771	-.042
	Equal variances not assumed	1.485	.813	-.149
Grdaes With Type Hints	Equal variances assumed	2.294	1.052	.209
	Equal variances not assumed	2.294	1.135	.009

Independent Samples Test

		t-test for Equality of Means
		95% Confidence Interval of the ... Upper
Grdaes Without Type Hints	Equal variances assumed	3.012
	Equal variances not assumed	3.120
Grdaes With Type Hints	Equal variances assumed	4.379
	Equal variances not assumed	4.579

Independent Samples Effect Sizes

				95% Confidence Interval	
		Standardizer[a]	Point Estimate	Lower	Upper
Grdaes Without Type Hints	Cohen's d	3.611	.411	-.011	.832
	Hedges' correction	3.636	.408	-.011	.826
	Glass's delta	3.496	.425	.000	.847
Grdaes With Type Hints	Cohen's d	4.930	.465	.042	.887
	Hedges' correction	4.964	.462	.041	.881
	Glass's delta	4.699	.488	.062	.912

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

T-Test (Paird t test)

[DataSet2] C:\Users\walee\OneDrive\Desktop\analysis\Results of All Data\all+onewayAnova\Last updated\AllDataAfterAlteringOutliersFull.sav

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Grdaes With Type Hints	6.05	112	5.013	.474
	Grdaes Without Type Hints	4.81	112	3.655	.345

Paired Samples Correlations

		N	Correlation	Significance One-Sided p	Significance Two-Sided p
Pair 1	Grdaes With Type Hints & Grdaes Without Type Hints	112	.796	<.001	<.001

Paired Samples Test

		Paired Differences				
					95% Confidence Interval of the ...	
		Mean	Std. Deviation	Std. Error Mean	Lower	
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	1.241	3.056	.289	.669	

Paired Samples Test

		Paired ...			Significance	
		95% Confidence Interval of the ...				
		Upper	t	df	One-Sided p	Two-Sided p
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	1.813	4.298	111	<.001	<.001

Paired Samples Effect Sizes

			Standardizer[a]	Point Estimate	95% ... Lower
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	Cohen's d	3.056	.406	.213
		Hedges' correction	3.077	.403	.211

Paired Samples Effect Sizes

			95% ... Upper
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	Cohen's d	.598
		Hedges' correction	.594

a. The denominator used in estimating the effect sizes.
Cohen's d uses the sample standard deviation of the mean difference.
Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

T-Test

Group Statistics

	Education Level	N	Mean	Std. Deviation	Std. Error Mean
Grdaes Without Type Hints	Graduate	30	5.90	3.916	.715
	Undergraduate	82	4.41	3.496	.386
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Independent Samples Test

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	Equal variances not assumed			1.828
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	Equal variances not assumed			2.022

Independent Samples Test

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			Significance	
		df	One-Sided p	Two-Sided p
Grdaes Without Type Hints	Equal variances assumed	110	.028	.056
	Equal variances not assumed	46.948	.037	.074
Grdaes With Type Hints	Equal variances assumed	110	.016	.031
	Equal variances not assumed	45.231	.025	.049

Independent Samples Test

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		Mean Difference	Std. Error Difference	95% Confidence Interval of the ... Lower
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Independent Samples Test

		t-test for Equality of Means
		95% Confidence Interval of the ... Upper
Grdaes Without Type Hints	Equal variances assumed	3.012
	Equal variances not assumed	3.120
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	Equal variances not assumed	4.579

Independent Samples Effect Sizes

				95% Confidence Interval	
		Standardizer[a]	Point Estimate	Lower	Upper
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Glass's delta uses the sample standard deviation of the control group.