

```

GET DATA /TYPE=XLSX
  /FILE='C:\Users\fg\Desktop\درجات.xlsx'
  /SHEET=name 'ورقة 1'
  /CELLRANGE=full
  /READNAMES=on
  /ASSUMEDSTRWIDTH=32767.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.
T-TEST GROUPS=group(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=Originality accuracy SelfExpression Fluency Flexibility postCreativeWr
  /CRITERIA=CI(.95).

```

T-Test

Notes		
Output Created		03-MAY-2025 17:15:25
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	61
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=group(1 2) /MISSING=ANALYSIS /VARIABLES=Originality accuracy SelfExpression Fluency Flexibility postCreativeWriting Originality_A accuracy_A SelfExpression_A Fluency_A Flexibility_A preexpCreativeWriting /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet1]

Group Statistics

group		N	Mean
Originality	cont	30	9.733
	exp	30	18.200
accuracy	cont	30	9.900
	exp	30	16.133
Self-Expression	cont	30	9.400
	exp	30	17.067
Fluency	cont	30	10.233
	exp	30	16.600
Flexibility	cont	30	7.033
	exp	30	15.600
post Creative Writing	cont	30	46.300
	exp	30	83.600
Originality	cont	30	9.700
	exp	30	9.767
accuracy	cont	30	10.100
	exp	30	9.933
Self-Expression	cont	30	9.267
	exp	30	9.733
Fluency	cont	30	10.333
	exp	30	10.467
Flexibility	cont	30	7.100
	exp	30	7.400
pre exp Creative Writing	cont	30	46.500
	exp	30	47.300

Independ

		Levene's Test for Equality of Variances	
		F	Sig.
Originality	Equal variances assumed	20.754	.000
	Equal variances not assumed		
accuracy	Equal variances assumed	.227	.636
	Equal variances not assumed		
Self-Expression	Equal variances assumed	7.802	.007
	Equal variances not assumed		

Fluency	Equal variances assumed	1.676	.201
	Equal variances not assumed		
Flexibility	Equal variances assumed	3.827	.055
	Equal variances not assumed		
post Creative Writing	Equal variances assumed	6.220	.016
	Equal variances not assumed		
Originality	Equal variances assumed	.725	.398
	Equal variances not assumed		
accuracy	Equal variances assumed	.577	.451
	Equal variances not assumed		
Self-Expression	Equal variances assumed	2.201	.143
	Equal variances not assumed		
Fluency	Equal variances assumed	.111	.740
	Equal variances not assumed		
Flexibility	Equal variances assumed	1.154	.287
	Equal variances not assumed		
pre exp Creative Writing	Equal variances assumed	.567	.455
	Equal variances not assumed		

T-TEST PAIRS=Originality accuracy SelfExpression Fluency Flexibility postCreativeWr
 /CRITERIA=CI (.9500)
 /MISSING=ANALYSIS.

T-Test

Notes	
Output Created	03-MAY-2025 17:17:58
Comments	

Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=Originality accuracy SelfExpression Fluency Flexibility postCreativeWriting WITH Originality_A accuracy_A SelfExpression_A Fluency_A Flexibility_A preexpCreativeWriting (PAIRE) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Paired Samples Statistics

		Mean	N
Pair 1	Originality	18.200	30
	Originality	9.767	30
Pair 2	accuracy	16.133	30
	accuracy	9.933	30
Pair 3	Self-Expression	17.067	30
	Self-Expression	9.733	30
Pair 4	Fluency	16.600	30
	Fluency	10.467	30
Pair 5	Flexibility	15.600	30
	Flexibility	7.400	30
Pair 6	post Creative Writing	83.600	30
	pre exp Creative Writing	47.300	30

Paired Samples Correlations

		N	Correlation
Pair 1	Originality & Originality	30	.234
Pair 2	accuracy & accuracy	30	.149
Pair 3	Self-Expression & Self-Expression	30	.076

Pair 4	Fluency & Fluency	30	.072
Pair 5	Flexibility & Flexibility	30	-.174
Pair 6	post Creative Writing & pre exp Creative Writing	30	-.010

Paired Sample

		Paired Diffe	
		Mean	Std. Deviation
Pair 1	Originality - Originality	8.4333	2.1284
Pair 2	accuracy - accuracy	6.2000	2.2190
Pair 3	Self-Expression - Self-Expression	7.3333	2.3538
Pair 4	Fluency - Fluency	6.1333	2.6094
Pair 5	Flexibility - Flexibility	8.2000	3.6332
Pair 6	post Creative Writing - pre exp Creative Writing	36.3000	10.5607

Rating Originality_A accuracy_A SelfExpression_A Fluency_A Flexibility_A preex

Std. Deviation	Std. Error Mean
2.5042	.4572
.9965	.1819
1.6887	.3083
1.8520	.3381
2.4155	.4410
1.5742	.2874
2.2695	.4143
1.8864	.3444
1.6078	.2935
3.2013	.5845
10.1273	1.8490
6.8006	1.2416
2.4375	.4450
2.1284	.3886
1.4704	.2685
1.5298	.2793
2.2884	.4178
1.8742	.3422
2.0567	.3755
1.9429	.3547
1.4468	.2641
1.2484	.2279
9.0163	1.6461
8.0136	1.4631

dent Samples Test

t-test for Equality of Means					
t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Differ
					Lower
-17.206	58	.000	-8.4667	.4921	-9.4517
-17.206	37.960	.000	-8.4667	.4921	-9.4629
-13.622	58	.000	-6.2333	.4576	-7.1493
-13.622	57.513	.000	-6.2333	.4576	-7.1495
-14.565	58	.000	-7.6667	.5264	-8.7204
-14.565	49.870	.000	-7.6667	.5264	-8.7240

-11.816	58	.000	-6.3667	.5388	-7.4452
-11.816	56.125	.000	-6.3667	.5388	-7.4460
-13.098	58	.000	-8.5667	.6540	-9.8759
-13.098	42.755	.000	-8.5667	.6540	-9.8859
-16.748	58	.000	-37.3000	2.2272	-41.7582
-16.748	50.734	.000	-37.3000	2.2272	-41.7718
-.113	58	.911	-.0667	.5908	-1.2493
-.113	56.965	.911	-.0667	.5908	-1.2497
.430	58	.669	.1667	.3874	-.6088
.430	57.909	.669	.1667	.3874	-.6088
-.864	58	.391	-.4667	.5400	-1.5477
-.864	55.832	.391	-.4667	.5400	-1.5486
-.258	58	.797	-.1333	.5165	-1.1673
-.258	57.813	.797	-.1333	.5165	-1.1674
-.860	58	.393	-.3000	.3489	-.9984
-.860	56.784	.393	-.3000	.3489	-.9987
-.363	58	.718	-.8000	2.2023	-5.2085
-.363	57.212	.718	-.8000	2.2023	-5.2098

citing WITH Originality_A accuracy_A SelfExpression_A Fluency_A Flexibility_A

Std. Deviation	Std. Error Mean
.9965	.1819
2.1284	.3886
1.8520	.3381
1.5298	.2793
1.5742	.2874
1.8742	.3422
1.8864	.3444
1.9429	.3547
3.2013	.5845
1.2484	.2279
6.8006	1.2416
8.0136	1.4631

Sig.
.213
.431
.688

.707
.357
.959

s Test

ifferences			t	df	Sig. (2-tailed)
Std. Error Mean	95% Confidence Interval of the Difference				
	Lower	Upper			
.3886	7.6386	9.2281	21.703	29	.000
.4051	5.3714	7.0286	15.303	29	.000
.4297	6.4544	8.2122	17.065	29	.000
.4764	5.1590	7.1077	12.874	29	.000
.6633	6.8433	9.5567	12.362	29	.000
1.9281	32.3566	40.2434	18.827	29	.000

e Interval of the ence
Upper
-7.4817
-7.4705
-5.3174
-5.3172
-6.6130
-6.6093

-5.2881
-5.2874
-7.2574
-7.2474
-32.8418
-32.8282
1.1159
1.1164
.9421
.9422
.6143
.6152
.9006
.9007
.3984
.3987
3.6085
3.6098

preexpCreativeWriting (PAIRED)