49507 Program: AAPI-2.1 Outcomes
Oct 2021

Overview

The purpose of this review was to examine the statistical significance of pre and post-test results from the **Adult-Adolescent Parenting Inventory (AAPI- 2.1)** that is administered by Ingenium as part of their 49507 pilot program to track whether parents are developing positive parenting beliefs.

Method

The raw data for pre-test and post-test scores for each participant were compared for each of the five parenting constructs using a paired-sample t-test to assess statistical significance.

Results

The results of t-tests for each parenting construct had P values less than .0001. This can be regarded as extremely significant change that would not occur by chance. These results indicate that Ingenium has been effective at increasing positive parenting beliefs for those who have participated in the 49507 pilot program. Detailed results are noted below:

Construct A

P value and statistical significance:
The P value was less than 0.0001
By conventional criteria, this difference is *extremely* statistically significant.

Confidence interval:
The mean of Group One minus Group Two equals -2.55
95% confidence interval of this difference: From -3.51 to -1.58

Intermediate values used in calculations:
t = 5.2536
df = 94
standard error of difference = 0.485

Additional data:

	Pre-Test	Post-Test
Mean	19.72	22.26
SD	4.11	4.52
SEM	.42	.46
N	95	95

Construct B

P value and statistical significance:
The P value was less than 0.0001
By conventional criteria, this difference is *extremely* statistically significant.

Confidence interval:
The mean of Group One minus Group Two equals -4.25
95% confidence interval of this difference: From -5.13 to -3.38

Intermediate values used in calculations:
t = 9.6732
df = 94
standard error of difference = 0.440

Additional data:

	Pre-Test	Post-Test
Mean	39.55	43.80
SD	4.49	3.86
SEM	.46	.40
N	95	95

Construct C

P value and statistical significance:

The P value was less than 0.0001

By conventional criteria, this difference is *extremely* statistically significant.

Confidence interval:

The mean of Group One minus Group Two equals -2.95

95% confidence interval of this difference: From -4.23 to -1.67

Intermediate values used in calculations:

t = 4.5797

df = 94

standard error of difference = 0.644

Additional Data:

	Pre-Test	Post-Test
Mean	42.34	45.28
SD	6.12	5.82
SEM	.63	.60
N	95	95

Construct D

P value and statistical significance:

The P value was less than 0.0001

By conventional criteria, this difference is *extremely* statistically significant.

Confidence interval:

The mean of Group One minus Group Two equals -1.80

95% confidence interval of this difference: From -2.66 to -0.94

Intermediate values used in calculations:

t = 4.1509

df = 94

standard error of difference = 0.434

Additional Data:

	Pre-Test	Post-Test
Mean	26.27	28.07
SD	3.99	4.45
SEM	.41	.46
N	95	95

Contruct E

P value and statistical significance:
The P value was less than 0.0001
By conventional criteria, this difference is *extremely* statistically significant.

Confidence interval:
The mean of Group One minus Group Two equals -2.01
95% confidence interval of this difference: From -2.63 to -1.39

Intermediate values used in calculations:
t = 6.4156
df = 94
standard error of difference = 0.313

Additional data:

	Pre-Test	Post-Test
Mean	19.15	21.16
SD	2.96	2.23
SEM	.30	.23
N	95	95