Distribution Survey 1, Treatment=control
Attention Question Score

Compare Distributions

Level	Count	Score Sum	Score Mean	Std Dev
0	1	0.000000	0.00000	.
1	1	1.000000	1.00000	.
2	1	2.000000	2.00000	.
3	1	3.000000	3.00000	.
4	1	4.000000	4.00000	.
5	1	5.000000	5.00000	.
6	1	6.000000	6.00000	.
7	1	7.000000	7.00000	.
8	1	8.000000	8.00000	.
9	1	9.000000	9.00000	.
10	1	10.000000	10.00000	.

Quantiles

Level	Quantile
100.0% maximum	10
99.5%	10
97.5%	10
90.0%	9
75.0% quartile	7.5
50.0% median	5
25.0% quartile	2.5
10.0%	1
2.5%	0
0.5%	0
0.0% minimum	0

Summary Statistics

Mean	5.5000000
Std Dev	3.1622777
Std Err Mean	1.0000000
Upper 95% Mean	7.7151673
Lower 95% Mean	3.2848327
N	11

Fitted Normal Distribution

Parameter	Estimate	Sample Mean	Lower 95%	Upper 95%
Mean(μ)	5.5000000	5.5000000	3.2848327	7.7151673
Sigma(σ)	3.3166248	3.1622777	2.1602469	6.1408051

Goodness-of-Fit Test

Shapiro-Wilk W = 0.955 Prob > W = 0.7102

Distribution Survey 1, Treatment=treatment
Attention Question Score

Compare Distributions

Level	Count	Score Sum	Score Mean	Std Dev
0	1	0.000000	0.00000	.
1	1	1.000000	1.00000	.
2	1	2.000000	2.00000	.
3	1	3.000000	3.00000	.
4	1	4.000000	4.00000	.
5	1	5.000000	5.00000	.
6	1	6.000000	6.00000	.
7	1	7.000000	7.00000	.
8	1	8.000000	8.00000	.
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2.5%	0
0.5%	0
0.0% minimum	0

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Goodness-of-Fit Test

Shapiro-Wilk W = 0.955 Prob > W = 0.7102

Distribution Survey 2, Treatment=control
Attention Question Score

Compare Distributions

Level	Count	Score Sum	Score Mean	Std Dev
0	1	0.000000	0.00000	.
1	1	1.000000	1.00000	.
2	1	2.000000	2.00000	.
3	1	3.000000	3.00000	.
4	1	4.000000	4.00000	.
5	1	5.000000	5.00000	.
6	1	6.000000	6.00000	.
7	1	7.000000	7.00000	.
8	1	8.000000	8.00000	.
9	1	9.000000	9.00000	.
10	1	10.000000	10.00000	.

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3	1	3.000000	3.00000	.
4	1	4.000000	4.00000	.
5	1	5.000000	5.00000	.
6	1	6.000000	6.00000	.
7	1	7.000000	7.00000	.
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Goodness-of-Fit Test

Shapiro-Wilk W = 0.955 Prob > W = 0.7102

Distribution Survey 3, Treatment=control
Attention Question Score

Compare Distributions

Level	Count	Score Sum	Score Mean	Std Dev
0	1	0.000000	0.00000	.
1	1	1.000000	1.00000	.
2	1	2.000000	2.00000	.
3	1	3.000000	3.00000	.
4	1	4.000000	4.00000	.
5	1	5.000000	5.00000	.
6	1	6.000000	6.00000	.
7	1	7.000000	7.00000	.
8	1	8.000000	8.00000	.
9	1	9.000000	9.00000	.
10	1	10.000000	10.00000	.

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100.0% maximum	10
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Attention Question Score

Compare Distributions

Level	Count	Score Sum	Score Mean	Std Dev
0	1	0.000000	0.00000	.
1	1	1.000000	1.00000	.
2	1	2.000000	2.00000	.
3	1	3.000000	3.00000	.
4	1	4.000000	4.00000	.
5	1	5.000000	5.00000	.
6	1	6.000000	6.00000	.
7	1	7.000000	7.00000	.
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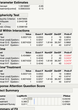
Goodness-of-Fit Test

Shapiro-Wilk W = 0.955 Prob > W = 0.7102

Oneway
Oneway Analysis of Attention Question Score By Survey

Tests that the Variances are Equal



Means for Oneway ANOVA

Level	Count	Score Sum	Score Mean	Std Error
1	2	11.000000	5.50000	0.70711
2	2	11.000000	5.50000	0.70711
3	2	11.000000	5.50000	0.70711

Welch's Test

Source	DF	F Ratio	Prob > F
Survey	2, 3.000	0.0000	1.0000

Pairwise Comparisons

Comparison	Difference	Std Err Dif	Lower CL	Upper CL	p-Value
2 - 1	0.00000	1.00000	-3.18273	3.18273	1.0000
3 - 1	0.00000	1.00000	-3.18273	3.18273	1.0000
3 - 2	0.00000	1.00000	-3.18273	3.18273	1.0000

Oneway Analysis of Attention Question Score By Treatment

Tests that the Variances are Equal

Means for Oneway ANOVA

Level	Count	Score Sum	Score Mean	Std Error
control	3	16.500000	5.50000	0.57735
treatment	3	16.500000	5.50000	0.57735

Welch's Test

Source	DF	F Ratio	Prob > F
Treatment	1, 4.000	0.0000	1.0000

Pairwise Comparisons

Comparison	Difference	Std Err Dif	Lower CL	Upper CL	p-Value
treatment - control	0.00000	0.81650	-2.26758	2.26758	1.0000

Oneway Analysis of Attention Question Score By Concatenate(Survey,Treatment)

Tests that the Variances are Equal

Means for Oneway ANOVA

Level	Count	Score Sum	Score Mean	Std Error
1 control	2	11.000000	5.50000	0.70711
1 treatment	2	11.000000	5.50000	0.70711
2 control	2	11.000000	5.50000	0.70711
2 treatment	2	11.000000	5.50000	0.70711
3 control	2	11.000000	5.50000	0.70711
3 treatment	2	11.000000	5.50000	0.70711

Welch's Test

Source	DF	F Ratio	Prob > F
Survey*Treatment	5, 6.000	0.0000	1.0000

Pairwise Comparisons

Comparison	Difference	Std Err Dif	Lower CL	Upper CL	p-Value
1 treatment - 1 control	0.00000	1.00000	-3.18273	3.18273	1.0000
2 control - 1 control	0.00000	1.00000	-3.18273	3.18273	1.0000
2 treatment - 1 control	0.00000	1.00000	-3.18273	3.18273	1.0000
3 control - 1 control	0.00000	1.00000	-3.18273	3.18273	1.0000
3 treatment - 1 control	0.00000	1.00000	-3.18273	3.18273	1.0000
2 control - 1 treatment	0.00000	1.00000	-3.18273	3.18273	1.0000
2 treatment - 1 treatment	0.00000	1.00000	-3.18273	3.18273	1.0000
3 control - 1 treatment	0.00000	1.00000	-3.18273	3.18273	1.0000
3 treatment - 1 treatment	0.00000	1.00000	-3.18273	3.18273	1.0000
2 treatment - 2 control	0.00000	1.00000	-3.18273	3.18273	1.0000
3 control - 2 control	0.00000	1.00000	-3.18273	3.18273	1.0000
3 treatment - 2 control	0.00000	1.00000	-3.18273	3.18273	1.0000
3 control - 2 treatment	0.00000	1.00000	-3.18273	3.18273	1.0000
3 treatment - 2 treatment	0.00000	1.00000	-3.18273	3.18273	1.0000
3 treatment - 3 control	0.00000	1.00000	-3.18273	3.18273	1.0000

Manova Fit
Response Specification

Y 1 Attention Question Score Attention Question Score

Effect Summaries

Source	LogWorth	PValue
Survey	0.000	1.00000
Treatment	0.000	1.00000

Parameter Estimates

Term	Attention Question Score
Intercept	5.5000000
Survey[1-2]*Treatment[control-treatment]	0.0000000

Least Squares Means

Overall Means

Response	Attention Question Score
Intercept	5.5000000

Treatment

Treatment	Attention Question Score
control	5.5000000
treatment	5.5000000

Partial Correlation

Term	Attention Question Score
Survey[1-2]	0.0000000
Survey[1-2]*Treatment[control-treatment]	0.0000000

Overall SSE Matrix

Attention Question Score	
Attention Question Score	110.00000

Between Subjects

W Matrix

Intercept	0
Survey[1-2]	0
Survey[1-2]*Treatment[control-treatment]	0

W-transformed Parameter Estimates

Term	Attention Question Score
Intercept	5.5000000

All Tests

Test	Value	ExactF	NumDF	DenDF	ProbF
Wilks' Lambda	1.0000000	0.0000	2	8	1.0000

Univariate

Test	SS	ExactF	NumDF	DenDF	ProbF
Intercept	330.00000	0.0000	1	9	1.0000
Error	110.00000				

Within Subjects

W Matrix

Intercept	0
Survey[1-2]	0
Survey[1-2]*Treatment[control-treatment]	0

W-transformed Parameter Estimates

Term	Attention Question Score
Intercept	5.5000000

Univariate Tests

Source	SS	ExactF	NumDF	DenDF	ProbF
Intercept	330.00000	0.0000	1	9	1.0000
Error	110.00000				

Sphericity Test

Source	DF	ChiSquare	ProbChiSq
Intercept	2	0.0000	1.0000
Error	2	0.0000	1.0000

Adj. Univ. Tests

Source	NumDF	AdjF	ProbF
Intercept	1	0.0000	1.0000
Error	2		

Tests

Source	Test	ExactF	NumDF	DenDF	ProbF
Intercept	Wilks' Lambda	0.0000	2	8	1.0000
	Pillai's Trace	0.0000	2	8	1.0000
	Hotelling-Lawley Trace	0.0000	2	8	1.0000
	Roy's Max Root	0.0000	2	8	1.0000
Error	Wilks' Lambda				
	Pillai's Trace				
	Hotelling-Lawley Trace				
	Roy's Max Root				

Response Attention Question Score

Effect Summary

Source	LogWorth	PValue
Survey	0.000	1.00000
Treatment	0.000	1.00000

Summary of Fit

RSquare	0.000000
RSquare Adj	-0.500000
Root Mean Square Error	3.316625
Mean of Response	5.500000
Observations (or Sum Wgts)	6

Parameter Estimates

Term	Estimate	Std Error	DFNum	DFDen	F Ratio
Intercept	5.5000000	1.35401	1	5	4.0625
Survey[1-2]	0.0000000	1.91507	1	5	0.0000
Treatment[control-treatment]	0.0000000	1.91507	1	5	0.0000
Survey[1-2]*Treatment[control-treatment]	0.0000000	1.91507	1	5	0.0000

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Survey[1-2]	1	1	0.00000000	0.0000	1.0000
Treatment[control-treatment]	1	1	0.00000000	0.0000	1.0000
Survey[1-2]*Treatment[control-treatment]	1	1	0.00000000	0.0000	1.0000

REML Variance Component Estimates

Random Effect	Var Ratio	Var Component	Std Error	95% Lower	95% Upper	Pct of Total
Survey[1-2]*Treatment[control-treatment]	0.00000	0.00000	0.00000	0.00000	0.00000	0.000
Residual		11.000000	6.350853	4.9000000	34.000000	100.000
Total		11.000000				100.000

-2 Log Likelihood = 60.000000

Covariance Matrix of Estimates

Variance Component Estimates

Random Effect	Var Component	Pct of Total
Survey[1-2]*Treatment[control-treatment]	0.00000	0.000
Residual	11.000000	100.000
Total	11.000000	100.000

Covariance Matrix of Variance Component Estimates

	Survey[1-2]*Treatment[control-treatment]	Residual
Survey[1-2]*Treatment[control-treatment]	0.00000	0.00000
Residual	0.00000	40.000000

Covariance Matrix

	Intercept	Survey[1-2]	Treatment[control-treatment]	Survey[1-2]*Treatment[control-treatment]
Intercept	1.83333	0.00000	0.00000	0.00000
Survey[1-2]	0.00000	3.66667	0.00000	0.00000
Treatment[control-treatment]	0.00000	0.00000	3.66667	0.00000
Survey[1-2]*Treatment[control-treatment]	0.00000	0.00000	0.00000	3.66667

Fixed Effect Tests

Source	Nparm	DF	DenDF	F Ratio	Prob > F
Survey[1-2]	1	1	5	0.0000	1.0000
Treatment[control-treatment]	1	1	5	0.0000	1.0000
Survey[1-2]*Treatment[control-treatment]	1	1	5	0.0000	1.0000

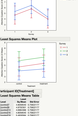
Effect Details

Survey

Least Squares Means Table

Level	Least Sq Mean	Std Error
1	5.5000000	1.35401
2	5.5000000	1.35401
3	5.5000000	1.35401

Least Squares Means Plot



Survey

Least Squares Means Table

Level	Least Sq Mean	Std Error
1 control	5.5000000	1.35401
1 treatment	5.5000000	1.35401
2 control	5.5000000	1.35401
2 treatment	5.5000000	1.35401
3 control	5.5000000	1.35401
3 treatment	5.5000000	1.35401

Least Squares Means Plot

LSMeans Differences Tukey HSD

α=0.05 Q=3.46482

Level	- Level	Difference	Std Err Dif	Lower CL	Upper CL	p-Value
2 control	1 control	0.00000	1.91507	-6.59000	6.59000	1.0000
2 treatment	1 control	0.00000	1.91507	-6.59000	6.59000	1.0000
3 control	1 control	0.00000	1.91507	-6.59000	6.59000	1.0000
3 treatment	1 control	0.00000	1.91507	-6.59000	6.59000	1.0000
2 treatment	2 control	0.00000	1.91507	-6.59000	6.59000	1.0000
3 control	2 control	0.00000	1.91507	-6.59000	6.59000	1.0000
3 treatment	2 control	0.00000	1.91507	-6.59000	6.59000	1.0000
3 control	2 treatment	0.00000	1.91507	-6.59000	6.59000	1.0000
3 treatment	2 treatment	0.00000	1.91507	-6.59000	6.59000	1.0000
3 treatment	3 control	0.00000	1.91507	-6.59000	6.59000	1.0000

Treatment

Least Squares Means Table

Level	Least Sq Mean	Std Error
control	5.5000000	1.35401
treatment	5.5000000	1.35401

Least Squares Means Plot

Participant ID(Treatment)

Least Squares Means Table

Level	Least Sq Mean	Std Error
1 control	5.5000000	1.35401
1 treatment	5.5000000	1.35401
2 control	5.5000000	1.35401
2 treatment	5.5000000	1.35401
3 control	5.5000000	1.35401
3 treatment	5.5000000	1.35401

Survey*Treatment

Least Squares Means Table

Level	Least Sq Mean	Std Error
1 control	5.5000000	1.35401
1 treatment	5.5000000	1.35401
2 control	5.5000000	1.35401
2 treatment	5.5000000	1.35401
3 control	5.5000000	1.35401
3 treatment	5.5000000	1.35401

Survey*Participant ID(Treatment)

Least Squares Means Table

Level	Least Sq Mean	Std Error
1 control 1 control	5.5000000	1.35401
1 control 2 control	5.5000000	1.35401
1 control 3 control	5.5000000	1.35401
1 treatment 1 treatment	5.5000000	1.35401
1 treatment 2 treatment	5.5000000	1.35401
1 treatment 3 treatment	5.5000000	1.35401
2 control 1 control	5.5000000	1.35401
2 control 2 control	5.5000000	1.35401
2 control 3 control	5.5000000	1.35401
2 treatment 1 treatment	5.5000000	1.35401
2 treatment 2 treatment	5.5000000	1.35401
2 treatment 3 treatment	5.5000000	1.35401
3 control 1 control	5.5000000	1.35401
3 control 2 control	5.5000000	1.35401
3 control 3 control	5.5000000	1.35401
3 treatment 1 treatment	5.5000000	1.35401
3 treatment 2 treatment	5.5000000	1.35401
3 treatment 3 treatment	5.5000000	1.35401

Survey*Treatment*Participant ID(Treatment)

Least Squares Means Table

Level	Least Sq Mean	Std Error
1 control 1 control 1 control	5.5000000	1.35401
1 control 1 control 2 control	5.5000000	1.35401
1 control 1 control 3 control	5.5000000	1.35401
1 control 2 control 1 control	5.5000000	1.35401
1 control 2 control 2 control	5.5000000	1.35401
1 control 2 control 3 control	5.5000000	1.35401
1 control 3 control 1 control	5.5000000	1.35401
1 control 3 control 2 control	5.5000000	1.35401
1 control 3 control 3 control	5.5000000	1.35401
1 treatment 1 treatment 1 treatment	5.5000000	1.35401
1 treatment 1 treatment 2 treatment	5.5000000	1.35401
1 treatment 1 treatment 3 treatment	5.5000000	1.35401
1 treatment 2 treatment 1 treatment	5.5000000	1.35401
1 treatment 2 treatment 2 treatment	5.5000000	1.35401
1 treatment 2 treatment 3 treatment	5.5000000	1.35401
1 treatment 3 treatment 1 treatment	5.5000000	1.35401
1 treatment 3 treatment 2 treatment	5.5000000	1.35401
1 treatment 3 treatment 3 treatment	5.5000000	1.35401
2 control 1 control 1 control	5.5000000	1.35401
2 control 1 control 2 control	5.5000000	1.35401
2 control 1 control 3 control	5.5000000	1.35401
2 control 2 control 1 control	5.5000000	1.35401
2 control 2 control 2 control	5.5000000	1.35401
2 control 2 control 3 control	5.5000000	1.35401
2 control 3 control 1 control	5.5000000	1.35401
2 control 3 control 2 control	5.5000000	1.35401
2 control 3 control 3 control	5.5000000	1.35401
2 treatment 1 treatment 1 treatment	5.5000000	1.35401
2 treatment 1 treatment 2 treatment	5.5000000	1.35401
2 treatment 1 treatment 3 treatment	5.5000000	1.35401
2 treatment 2 treatment 1 treatment	5.5000000	1.35401
2 treatment 2 treatment 2 treatment	5.5000000	1.35401
2 treatment 2 treatment 3 treatment	5.5000000	1.35401
2 treatment 3 treatment 1 treatment	5.5000000	1.35401
2 treatment 3 treatment 2 treatment	5.5000000	1.35401
2 treatment 3 treatment 3 treatment	5.5000000	1.35401
3 control 1 control 1 control	5.5000000	1.35401
3 control 1 control 2 control	5.5000000	1.35401
3 control 1 control 3 control	5.5000000	1.35401
3 control 2 control 1 control	5.5000000	1.35401
3 control 2 control 2 control	5.5000000	1.35401
3 control 2 control 3 control	5.5000000	1.35401
3 control 3 control 1 control	5.5000000	1.35401
3 control 3 control 2 control	5.5000000	1.35401
3 control 3 control 3 control	5.5000000	1.35401
3 treatment 1 treatment 1 treatment	5.5000000	1.35401
3 treatment 1 treatment 2 treatment	5.5000000	1.35401
3 treatment 1 treatment 3 treatment	5.5000000	1.35401
3 treatment 2 treatment 1 treatment	5.5000000	1.35401
3 treatment 2 treatment 2 treatment	5.5000000	1.35401
3 treatment 2 treatment 3 treatment	5.5000000	1.35401
3 treatment 3 treatment 1 treatment	5.5000000	1.35401
3 treatment 3 treatment 2 treatment	5.5000000	1.35401
3 treatment 3 treatment 3 treatment	5.5000000	1.35401