Regression

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	Meds_Dum, Psycho_Dum	.	Enter

a. All requested variables entered.
b. Dependent Variable: Beck's Depression Score

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.338[a]	.115	.093	2.6283

a. Predictors: (Constant), Meds_Dum, Psycho_Dum

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	74.200	2	37.100	5.370	.006[a]
	Residual	573.381	83	6.908		
	Total	647.581	85			

a. Predictors: (Constant), Meds_Dum, Psycho_Dum
b. Dependent Variable: Beck's Depression Score

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	20.833	.480		43.415	.000
	Psycho_Dum	-1.833	.691	-.313	-2.655	.010
	Meds_Dum	-2.048	.691	-.350	-2.965	.004

a. Dependent Variable: Beck's Depression Score

```
UNIANOVA bdi BY group
  /METHOD=SSTYPE(3)
  /INTERCEPT=INCLUDE
  /POSTHOC=group(DUNNETT)
  /PRINT=OPOWER ETASQ DESCRIPTIVE
  /CRITERIA=ALPHA(.05)
  /DESIGN=group.
```

Univariate Analysis of Variance

Notes

Output Created		08-Sep-2011 12:40:36
Comments		
Input	Data	C:\Documents and Settings\ajg40\Desktop\Depression Regression ANOVA.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	86
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA bdi BY group /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=group(DUNNETT) /PRINT=OPOWER ETASQ DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=group.
Resources	Processor Time	00 00:00:00.094
	Elapsed Time	00 00:00:00.156

[DataSet1] C:\Documents and Settings\ajg40\Desktop\Depression Regression ANOV A.sav

Between-Subjects Factors

		Value Label	N
Treatment Group	1	Psychotherapy	28
	2	Medication	28
	3	Control	30

Descriptive Statistics

Dependent Variable:Beck's Depression Score

Treatment Group	Mean	Std. Deviation	N
1 Psychotherapy	19.000	2.8771	28
2 Medication	18.786	3.0167	28
3 Control	20.833	1.8952	30
Total	19.570	2.7602	86

Tests of Between-Subjects Effects

Dependent Variable:Beck's Depression Score

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	74.200^a	2	37.100	5.370	.006	.115
Intercept	32800.022	1	32800.022	4747.981	.000	.983
group	74.200	2	37.100	5.370	.006	.115
Error	573.381	83	6.908			
Total	33583.500	86				
Corrected Total	647.581	85				

Tests of Between-Subjects Effects

Dependent Variable:Beck's Depression Score

Source	Noncent. Parameter	Observed Power[b]
Corrected Model	10.741	.830
Intercept	4747.981	1.000
group	10.741	.830

a. R Squared = .115 (Adjusted R Squared = .093)
b. Computed using alpha = .05

Post Hoc Tests

Treatment Group

Multiple Comparisons

Beck's Depression Score
Dunnett t (2-sided)[a]

(I) Treatment Group	(J) Treatment Group	Mean Difference (I-J)	Std. Error	Sig.
1 Psychotherapy	3 Control	-1.833	.6906	.018
2 Medication	3 Control	-2.048	.6906	.008

Multiple Comparisons

Beck's Depression Score
Dunnett t (2-sided)[a]

(I) Treatment Group	(J) Treatment Group	95% Confidence Interval	
		Lower Bound	Upper Bound
1 Psychotherapy	3 Control	-3.389	-.278
2 Medication	3 Control	-3.603	-.492

Based on observed means.
 The error term is Mean Square(Error) = 6.908.

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.
*. The mean difference is significant at the .05 level.

```
UNIANOVA bdi BY group
  /METHOD=SSTYPE(3)
  /INTERCEPT=INCLUDE
  /POSTHOC=group(DUNNETTR)
  /PRINT=OPOWER ETASQ DESCRIPTIVE
  /CRITERIA=ALPHA(.05)
  /DESIGN=group.
```

Univariate Analysis of Variance

Notes

Output Created		08-Sep-2011 12:41:50
Comments		
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	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	86
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		UNIANOVA bdi BY group /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=group(DUNNETTR) /PRINT=OPOWER ETASQ DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=group.
Resources	Processor Time	00 00:00:00.172
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[DataSet1] C:\Documents and Settings\ajg40\Desktop\Depression Regression ANOVA.sav

Between-Subjects Factors

		Value Label	N
Treatment Group	1	Psychotherapy	28
	2	Medication	28
	3	Control	30

Descriptive Statistics

Dependent Variable:Beck's Depression Score

Treatment Group	Mean	Std. Deviation	N
1 Psychotherapy	19.000	2.8771	28
2 Medication	18.786	3.0167	28
3 Control	20.833	1.8952	30
Total	19.570	2.7602	86

Tests of Between-Subjects Effects

Dependent Variable:Beck's Depression Score

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	74.200[a]	2	37.100	5.370	.006	.115
Intercept	32800.022	1	32800.022	4747.981	.000	.983
group	74.200	2	37.100	5.370	.006	.115
Error	573.381	83	6.908			
Total	33583.500	86				
Corrected Total	647.581	85				

Tests of Between-Subjects Effects

Dependent Variable:Beck's Depression Score

Source	Noncent. Parameter	Observed Power[b]
Corrected Model	10.741	.830
Intercept	4747.981	1.000
group	10.741	.830

a. R Squared = .115 (Adjusted R Squared = .093)
b. Computed using alpha = .05

Post Hoc Tests

Treatment Group

Multiple Comparisons

Beck's Depression Score
Dunnett t (>control)[a]

(I) Treatment Group	(J) Treatment Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound
1 Psychotherapy	3 Control	-1.833	.6906	1.000	-3.176
2 Medication	3 Control	-2.048	.6906	1.000	-3.391

Based on observed means.
The error term is Mean Square(Error) = 6.908.

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

```
UNIANOVA bdi BY group
  /METHOD=SSTYPE(3)
  /INTERCEPT=INCLUDE
```

```
/POSTHOC=group(DUNNETTL)
/PRINT=OPOWER ETASQ DESCRIPTIVE
/CRITERIA=ALPHA(.05)
/DESIGN=group.
```

Univariate Analysis of Variance

[DataSet1] C:\Documents and Settings\ajg40\Desktop\Depression Regression ANOVA.sav

Between-Subjects Factors

		Value Label	N
Treatment Group	1	Psychotherapy	28
	2	Medication	28
	3	Control	30

Descriptive Statistics

Dependent Variable:Beck's Depression Score

Treatment Group	Mean	Std. Deviation	N
1 Psychotherapy	19.000	2.8771	28
2 Medication	18.786	3.0167	28
3 Control	20.833	1.8952	30
Total	19.570	2.7602	86

Tests of Between-Subjects Effects

Dependent Variable:Beck's Depression Score

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	74.200[a]	2	37.100	5.370	.006	.115
Intercept	32800.022	1	32800.022	4747.981	.000	.983
group	74.200	2	37.100	5.370	.006	.115
Error	573.381	83	6.908			
Total	33583.500	86				
Corrected Total	647.581	85				

Tests of Between-Subjects Effects

Dependent Variable:Beck's Depression Score

Source	Noncent. Parameter	Observed Power [b]
Corrected Model	10.741	.830
Intercept	4747.981	1.000
group	10.741	.830

a. R Squared = .115 (Adjusted R Squared = .093)
b. Computed using alpha = .05

Post Hoc Tests

Treatment Group

Multiple Comparisons

Beck's Depression Score
Dunnett t (<control) [a]

(I) Treatment Group	(J) Treatment Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Upper Bound
1 Psychotherapy	3 Control	-1.833	.6906	.009	-.490
2 Medication	3 Control	-2.048	.6906	.004	-.705

Based on observed means.
 The error term is Mean Square(Error) = 6.908.

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.
*. The mean difference is significant at the .05 level.