

The ANOVA Procedure

Class Level Information		
Class	Levels	Values
GROUP	2	DEFICIENT NORMAL
TREAT	2	DRUG PLACEBO

Number of Observations Read	16
Number of Observations Used	16

The ANOVA Procedure

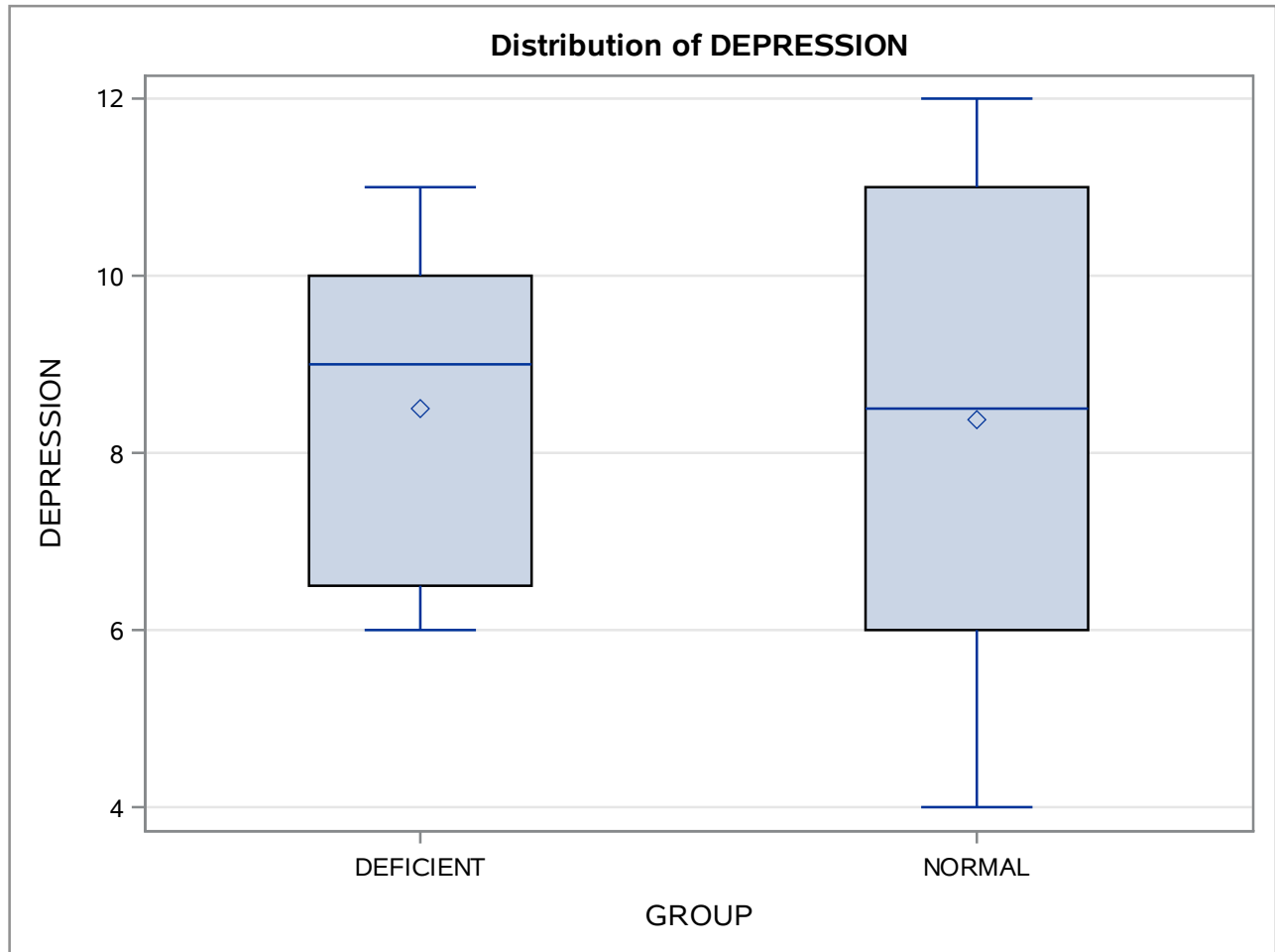
Dependent Variable: DEPRESSION

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	73.18750000	24.39583333	17.48	0.0001
Error	12	16.75000000	1.39583333		
Corrected Total	15	89.93750000			

R-Square	Coeff Var	Root MSE	DEPRESSION Mean
0.813760	14.00242	1.181454	8.437500

Source	DF	Anova SS	Mean Square	F Value	Pr > F
GROUP	1	0.06250000	0.06250000	0.04	0.8360
TREAT	1	5.06250000	5.06250000	3.63	0.0811
GROUP*TREAT	1	68.06250000	68.06250000	48.76	<.0001

The ANOVA Procedure



The ANOVA Procedure

Student-Newman-Keuls Test for DEPRESSION

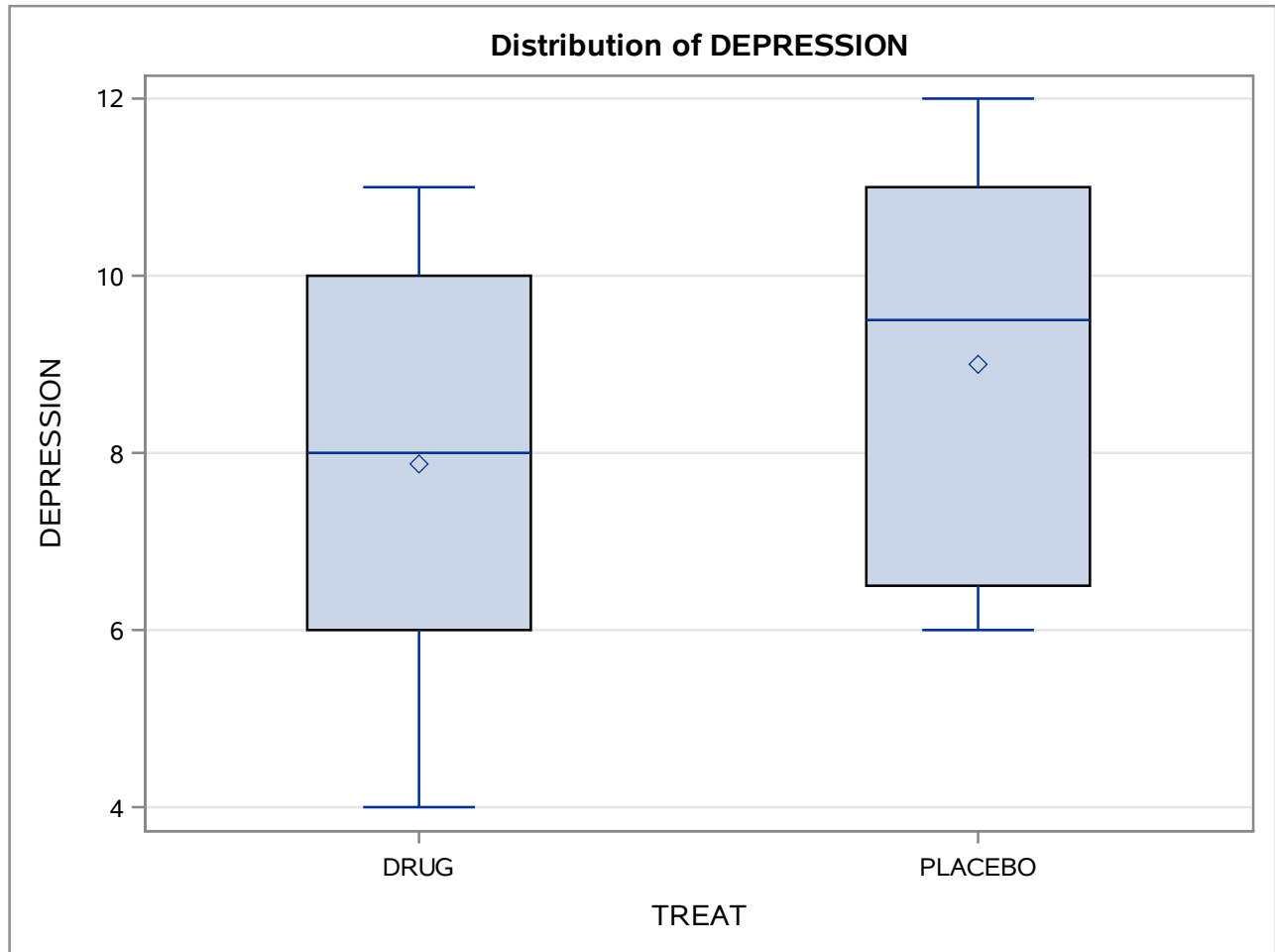
Note: This test controls the Type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha	0.05
Error Degrees of Freedom	12
Error Mean Square	1.395833

Number of Means	2
Critical Range	1.2870326

Means with the same letter are not significantly different.			
SNK Grouping	Mean	N	GROUP
A	8.5000	8	DEFICIENT
A			
A	8.3750	8	NORMAL

The ANOVA Procedure



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Student-Newman-Keuls Test for DEPRESSION

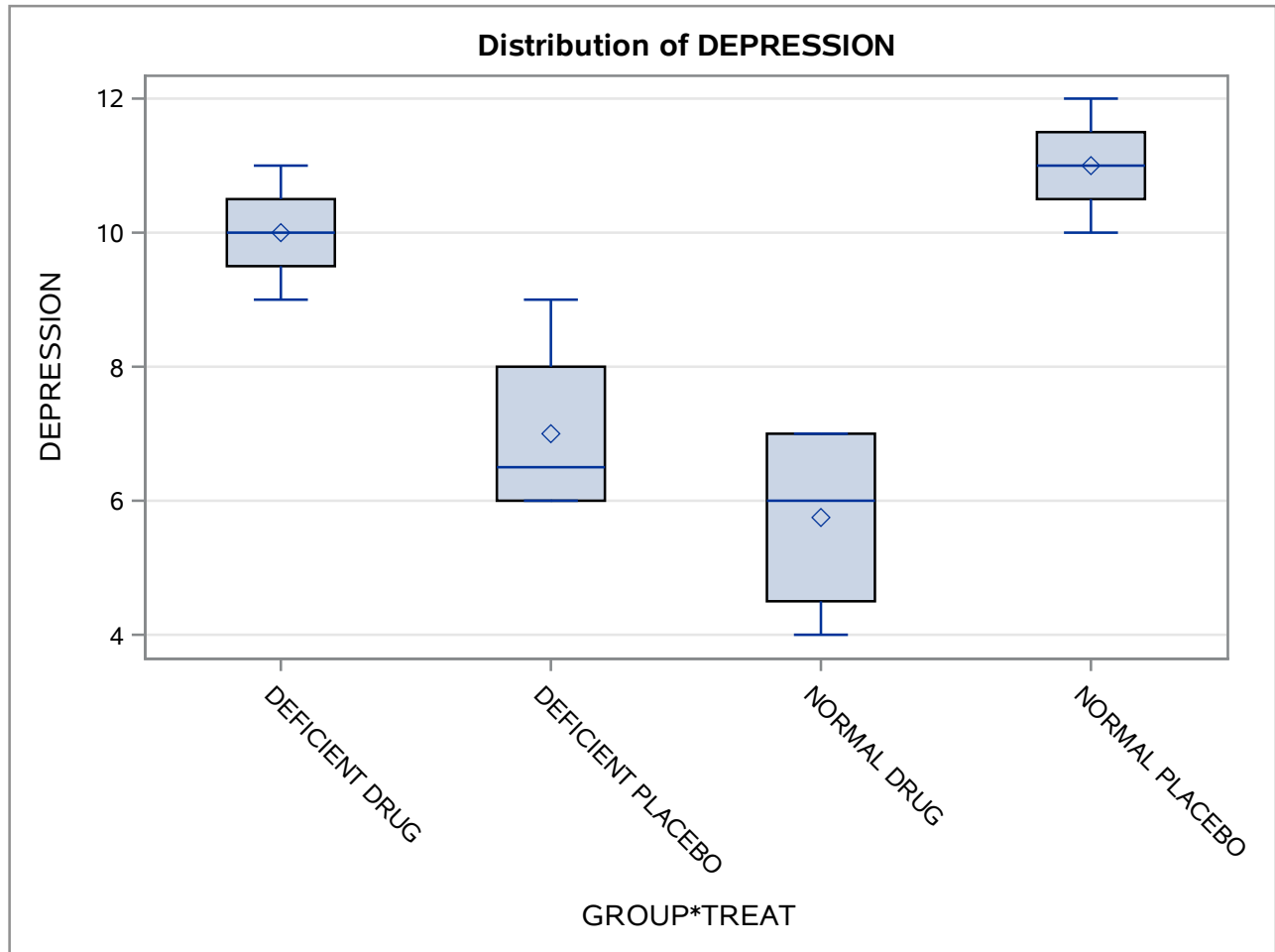
Note: This test controls the Type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha	0.05
Error Degrees of Freedom	12
Error Mean Square	1.395833

Number of Means	2
Critical Range	1.2870326

Means with the same letter are not significantly different.			
SNK Grouping	Mean	N	TREAT
A	9.0000	8	PLACEBO
A			
A	7.8750	8	DRUG

The ANOVA Procedure



Level of GROUP	Level of TREAT	N	DEPRESSION	
			Mean	Std Dev
DEFICIENT	DRUG	4	10.0000000	0.81649658
DEFICIENT	PLACEBO	4	7.0000000	1.41421356
NORMAL	DRUG	4	5.7500000	1.50000000
NORMAL	PLACEBO	4	11.0000000	0.81649658