

Scab Disease Data

Obs	trt	scabindx
1	0	10
2	0	12
3	0	18
4	0	30
5	0	32
6	0	24
7	0	29
8	0	26
9	F3	9
10	F3	9
11	F3	16
12	F3	4
13	F6	18
14	F6	10
15	F6	18
16	F6	16
17	F12	4
18	F12	10
19	F12	5
20	F12	4
21	S3	9
22	S3	7
23	S3	21
24	S3	30
25	S6	18
26	S6	19
27	S6	24
28	S6	12
29	S12	7
30	S12	17
31	S12	17
32	S12	16

The GLM Procedure

Class Level Information		
Class	Levels	Values
trt	7	0 F3 F6 F12 S3 S6 S12

Number of Observations Read	32
Number of Observations Used	32

The GLM Procedure

Dependent Variable: scabindx

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	972.343750	162.057292	3.61	0.0103
Error	25	1122.875000	44.915000		
Corrected Total	31	2095.218750			

R-Square	Coeff Var	Root MSE	scabindx Mean
0.464077	42.80633	6.701865	15.65625

Source	DF	Type I SS	Mean Square	F Value	Pr > F
trt	6	972.3437500	162.0572917	3.61	0.0103

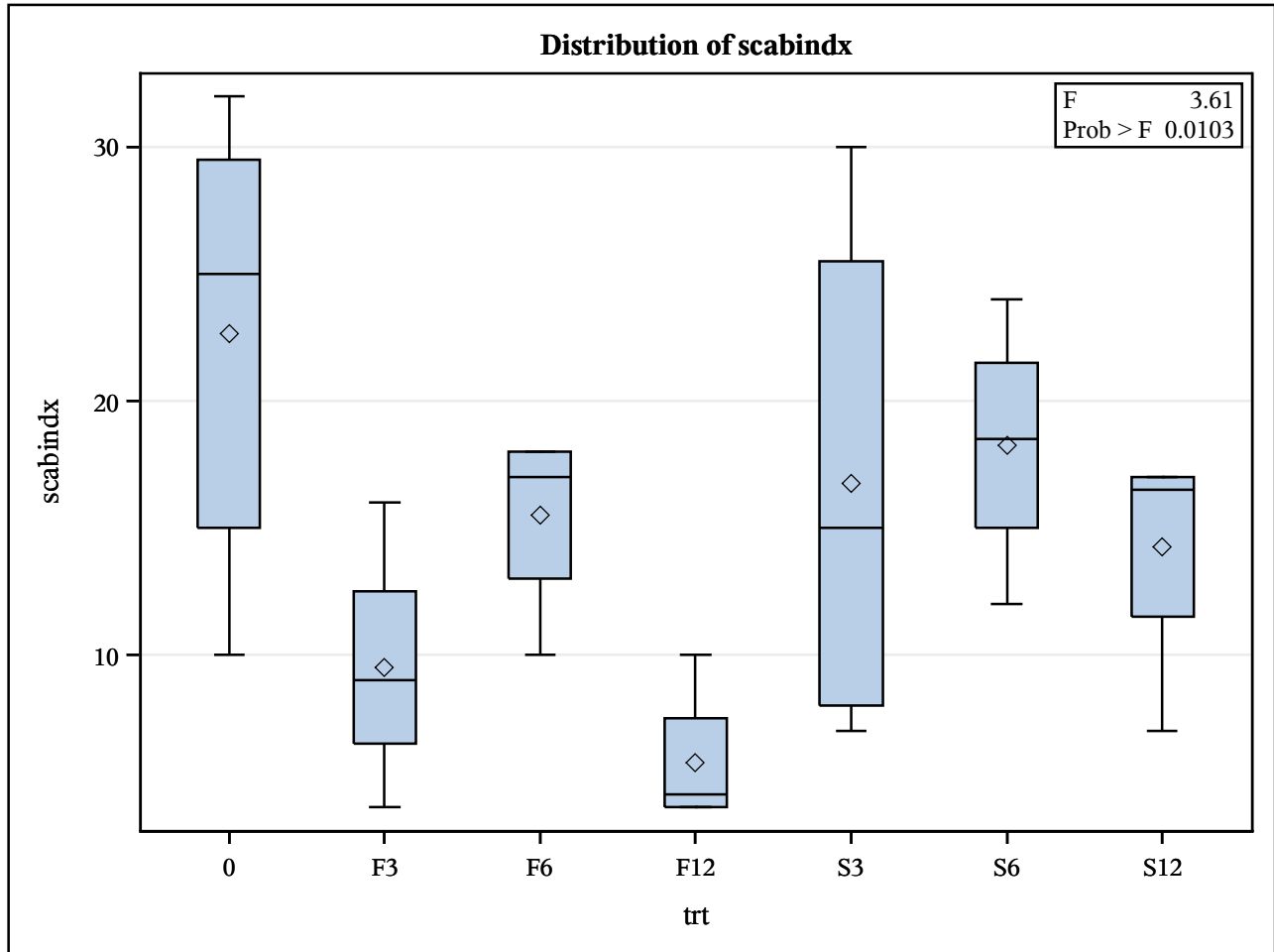
Source	DF	Type III SS	Mean Square	F Value	Pr > F
trt	6	972.3437500	162.0572917	3.61	0.0103

Contrast	DF	Contrast SS	Mean Square	F Value	Pr > F
mu2-mu3 (a)	1	72.0000000	72.0000000	1.60	0.2171
mu2-mu3 (b)	1	72.0000000	72.0000000	1.60	0.2171
mu2-mu3 (c)	1	72.0000000	72.0000000	1.60	0.2171
control vs. trt	1	518.0104167	518.0104167	11.53	0.0023
season	1	228.1666667	228.1666667	5.08	0.0332
dose	2	189.5833333	94.7916667	2.11	0.1423
season x dose	2	36.5833333	18.2916667	0.41	0.6698

Parameter	Estimate	Standard Error	t Value	Pr > t
control-trt	9.29166667	2.73602510	3.40	0.0023

The GLM Procedure

Dependent Variable: scabindx



***The GLM Procedure
Least Squares Means***

trt	scabindx LSMEAN	Standard Error	Pr > t
0	22.6250000	2.3694672	<.0001
F3	9.5000000	3.3509327	0.0089
F6	15.5000000	3.3509327	<.0001
F12	5.7500000	3.3509327	0.0985
S3	16.7500000	3.3509327	<.0001
S6	18.2500000	3.3509327	<.0001
S12	14.2500000	3.3509327	0.0003

trt	scabindx LSMEAN	95% Confidence Limits	
0	22.625000	17.744991	27.505009
F3	9.500000	2.598625	16.401375
F6	15.500000	8.598625	22.401375
F12	5.750000	-1.151375	12.651375
S3	16.750000	9.848625	23.651375
S6	18.250000	11.348625	25.151375
S12	14.250000	7.348625	21.151375

The GLM Procedure
Least Squares Means

