

# JMP Output for Treatment of Agoraphobia Experiment

## Response: Severity Summary of Fit

RSquare	0.88434
RSquare Adj	0.82892
Root Mean Square Error	1.658312
Mean of Response	13.30556
Observations (or Sum Wgts)	72

## Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	23	1009.2778	43.8816	15.9570
Error	48	132.0000	2.7500	Prob > F
C. Total	71	1141.2778		<.0001

## Effect Tests

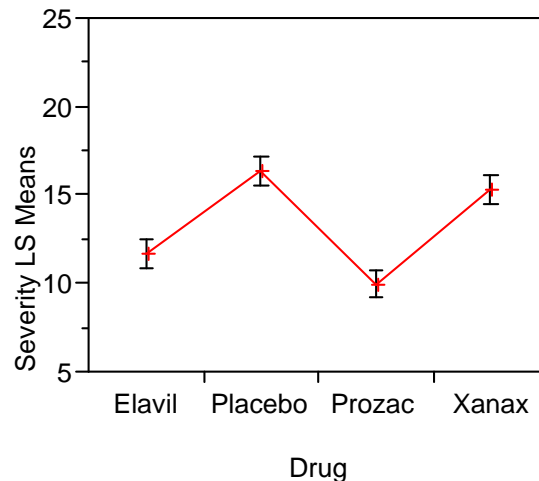
Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Drug	3	3	486.72222	58.9966	<.0001
Therapy	2	2	33.36111	6.0657	0.0045
Drug*Therapy	6	6	385.52778	23.3653	<.0001
Depression	1	1	40.50000	14.7273	0.0004
Drug*Depression	3	3	20.94444	2.5387	0.0675
Therapy*Depression	2	2	31.08333	5.6515	0.0063
Drug*Therapy*Depression	6	6	11.13889	0.6751	0.6703

## Effect Details

### Drug

#### Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
Elavil	11.666667	0.39086798	11.6667
Placebo	16.333333	0.39086798	16.3333
Prozac	9.944444	0.39086798	9.9444
Xanax	15.277778	0.39086798	15.2778



**LSMeans Differences Tukey HSD**

$\alpha=0.050$   $Q=2.66137$

LSMean[i] By LSMean[j]

Mean[i]-Mean[j] Std Err Dif Lower CL Dif Upper CL Dif	Elavil	Placebo	Prozac	Xanax
Elavil	0	-4.6667	1.72222	-3.6111
	0	0.55277	0.55277	0.55277
	0	-6.1378	0.25109	-5.0822
	0	-3.1955	3.19335	-2.14
Placebo	4.66667	0	6.38889	1.05556
	0.55277	0	0.55277	0.55277
	3.19554	0	4.91776	-0.4156
	6.1378	0	7.86002	2.52668
Prozac	-1.7222	-6.3889	0	-5.3333
	0.55277	0.55277	0	0.55277
	-3.1934	-7.86	0	-6.8045
	-0.2511	-4.9178	0	-3.8622
Xanax	3.61111	-1.0556	5.33333	0
	0.55277	0.55277	0.55277	0
	2.13998	-2.5267	3.8622	0
	5.08224	0.41557	6.80446	0

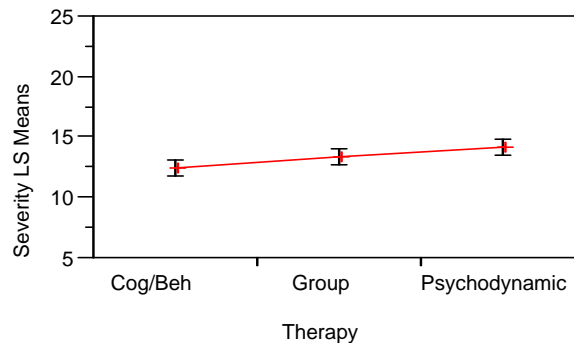
Level		Least Sq Mean
Placebo	A	16.333333
Xanax	A	15.277778
Elavil	B	11.666667
Prozac	C	9.944444

Levels not connected by same letter are significantly different.

**Therapy**

**Least Squares Means Table**

Level	Least Sq Mean	Std Error	Mean
Cog/Beh	12.458333	0.33850160	12.4583
Group	13.333333	0.33850160	13.3333
Psychodynamic	14.125000	0.33850160	14.1250



**LSMeans Differences Student's t**

$\alpha=0.050$   $t=2.01063$

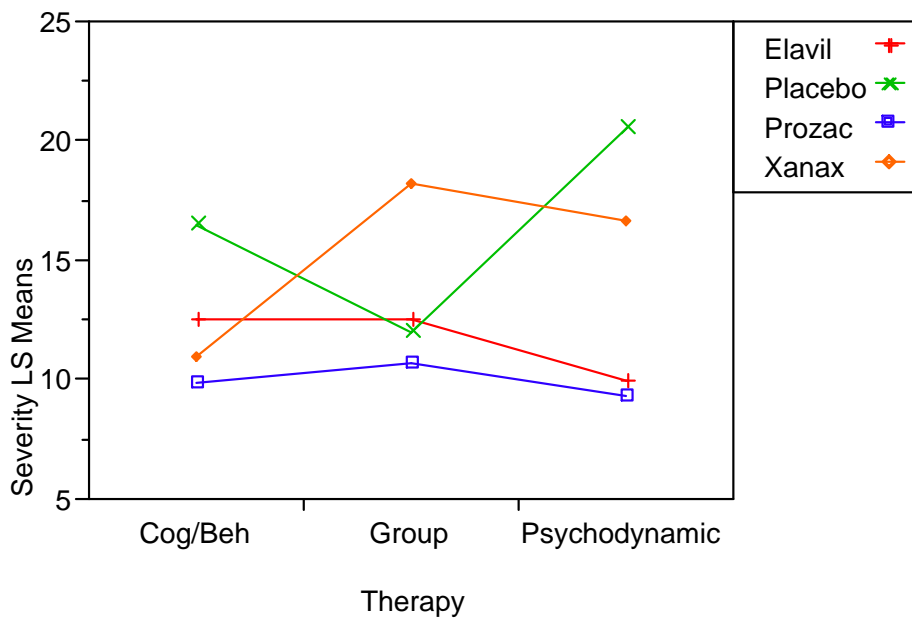
LSMean[i] By LSMean[j]

Mean[i]-Mean[j] Std Err Dif Lower CL Dif Upper CL Dif	Cog/Beh	Group	Psychodynamic
Cog/Beh	0 0 0 0	-0.875 0.47871 -1.8375 0.08752	-1.6667 0.47871 -2.6292 -0.7041
Group	0.875 0.47871 -0.0875 1.83752	0 0 0 0	-0.7917 0.47871 -1.7542 0.17085
Psychodynamic	1.66667 0.47871 0.70415 2.62918	0.79167 0.47871 -0.1709 1.75418	0 0 0 0

Level		Least Sq Mean
Psychodynamic	A	14.125000
Group	A B	13.333333
Cog/Beh	B	12.458333

Levels not connected by same letter are significantly different.

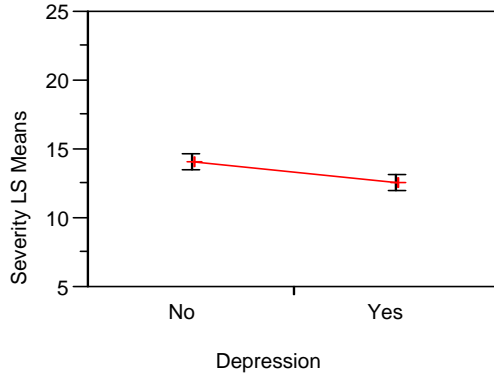
**Drug\*Therapy**



**Depression**

**Least Squares Means Table**

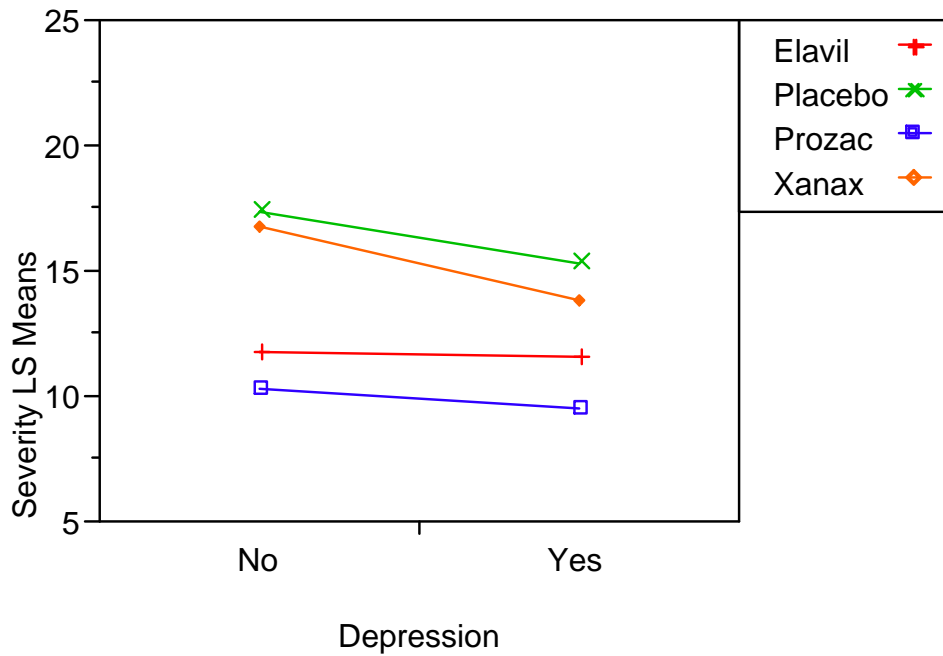
Level	Least Sq Mean	Std Error	Mean
No	14.055556	0.27638540	14.0556
Yes	12.555556	0.27638540	12.5556



**Drug\*Depression**

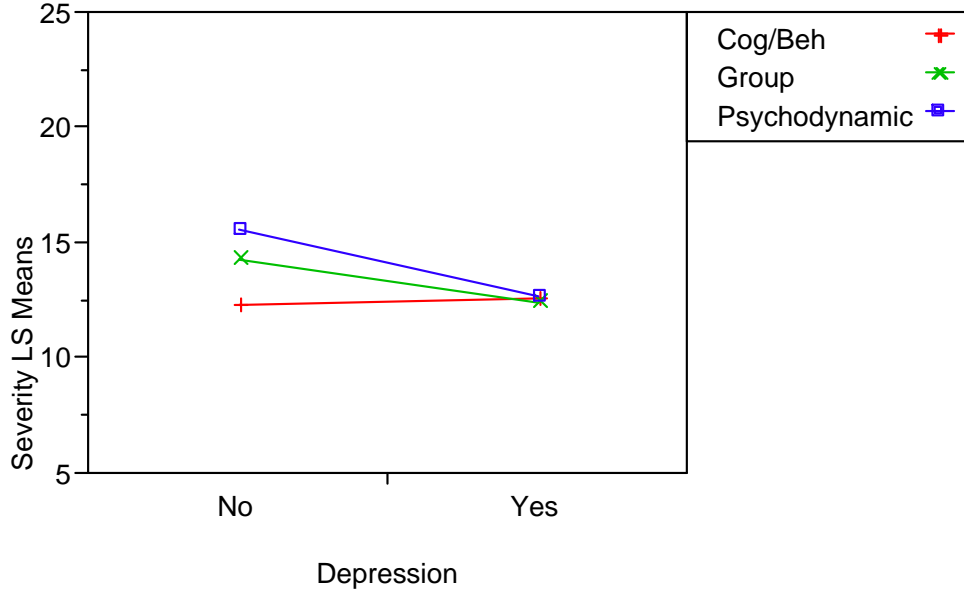
**Least Squares Means Table**

Level	Least Sq Mean	Std Error
Elavil,No	11.777778	0.55277080
Elavil,Yes	11.555556	0.55277080
Placebo,No	17.333333	0.55277080
Placebo,Yes	15.333333	0.55277080
Prozac,No	10.333333	0.55277080
Prozac,Yes	9.555556	0.55277080
Xanax,No	16.777778	0.55277080
Xanax,Yes	13.777778	0.55277080



**Therapy\*Depression**  
**Least Squares Means Table**

Level	Least Sq Mean	Std Error
Cog/Beh,No	12.333333	0.47871355
Cog/Beh,Yes	12.583333	0.47871355
Group,No	14.250000	0.47871355
Group,Yes	12.416667	0.47871355
Psychodynamic,No	15.583333	0.47871355
Psychodynamic,Yes	12.666667	0.47871355



**Residuals**

