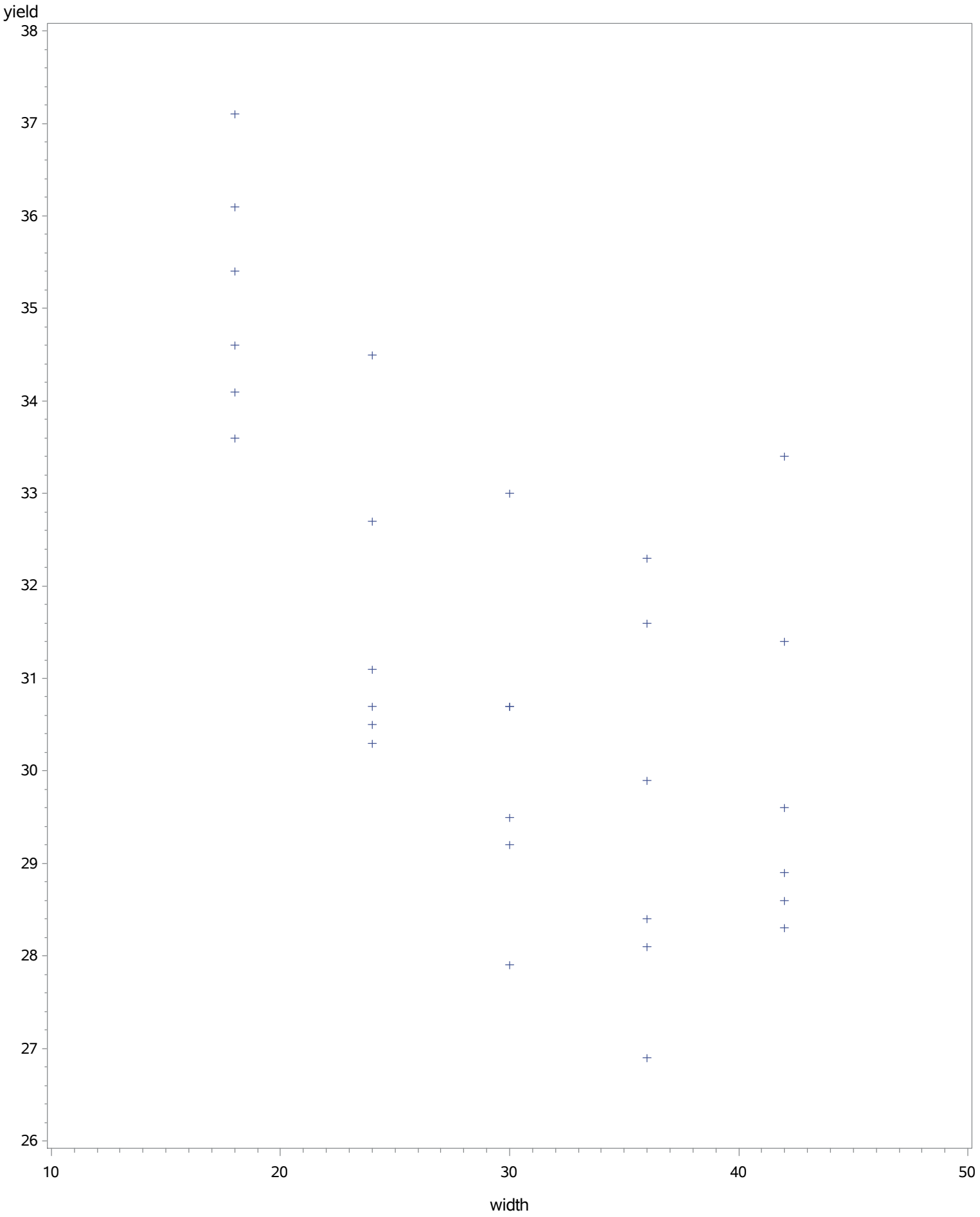

yield
38
37
36
35
34
33
32
31
30
29
28
27
26
10
20
30
40
50
width

The MEANS Procedure

width=18

Analysis Variable : yield				
N	Mean	Std Dev	Minimum	Maximum
6	35.1500000	1.3095801	33.6000000	37.1000000

width=24

Analysis Variable : yield				
N	Mean	Std Dev	Minimum	Maximum
6	31.6333333	1.6476246	30.3000000	34.5000000

width=30

Analysis Variable : yield				
N	Mean	Std Dev	Minimum	Maximum
6	30.1666667	1.7385818	27.9000000	33.0000000

width=36

Analysis Variable : yield				
N	Mean	Std Dev	Minimum	Maximum
6	29.5333333	2.1134490	26.9000000	32.3000000

width=42

Analysis Variable : yield				
N	Mean	Std Dev	Minimum	Maximum
6	30.0333333	1.9866219	28.3000000	33.4000000

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
width	5	18 24 30 36 42

Number of Observations Read	30
Number of Observations Used	30

The GLM Procedure

Dependent Variable: yield

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	125.6613333	31.4153333	9.90	<.0001
Error	25	79.3283333	3.1731333		
Corrected Total	29	204.9896667			

R-Square	Coeff Var	Root MSE	yield Mean
0.613013	5.690541	1.781329	31.30333

Source	DF	Type I SS	Mean Square	F Value	Pr > F
width	4	125.6613333	31.4153333	9.90	<.0001

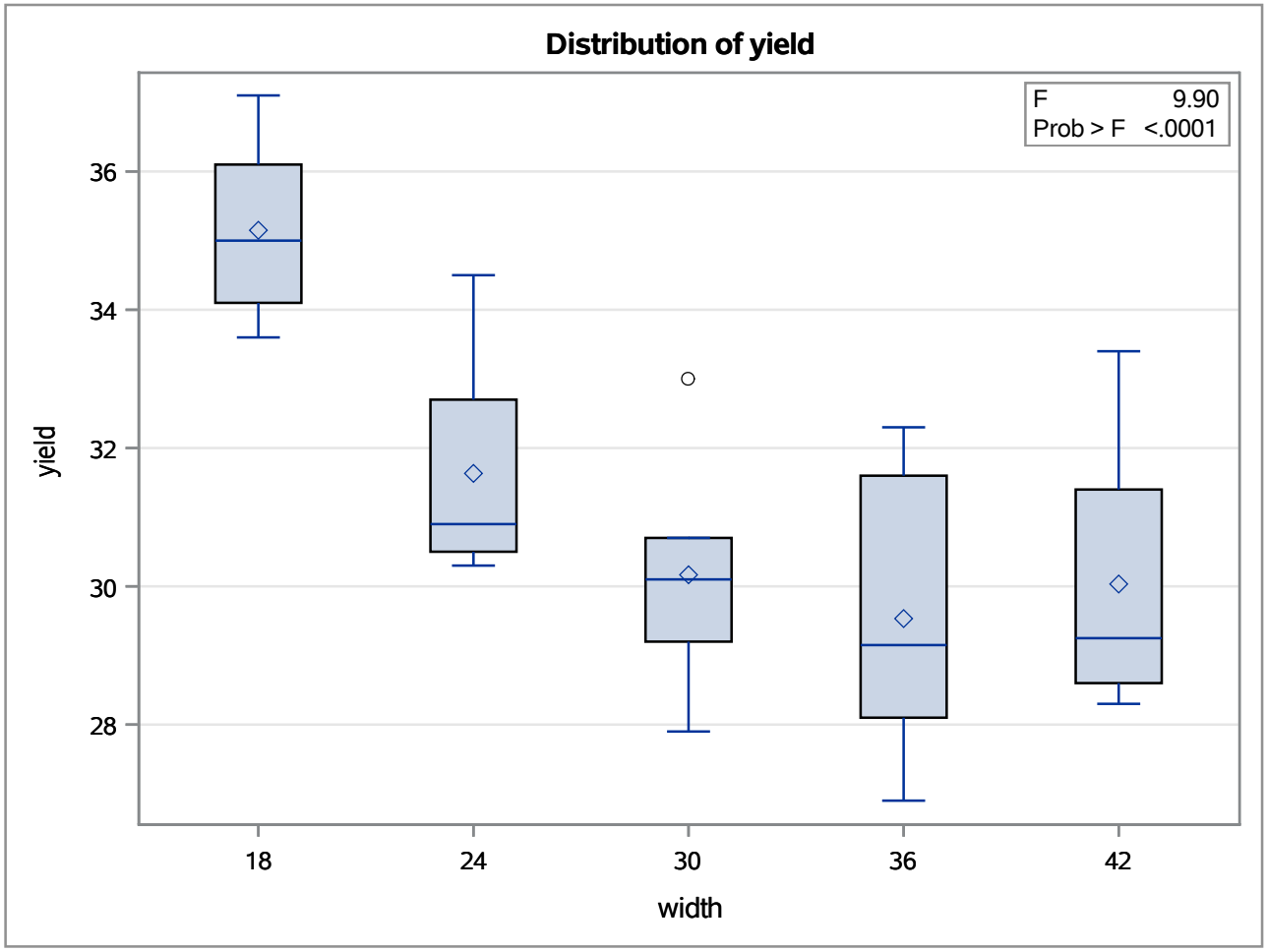
Source	DF	Type III SS	Mean Square	F Value	Pr > F
width	4	125.6613333	31.4153333	9.90	<.0001

Parameter	Estimate		Standard Error	t Value	Pr > |t|
Intercept	30.03333333	B	0.72722456	41.30	<.0001
width 18	5.11666667	B	1.02845083	4.98	<.0001
width 24	1.60000000	B	1.02845083	1.56	0.1323
width 30	0.13333333	B	1.02845083	0.13	0.8979
width 36	-0.50000000	B	1.02845083	-0.49	0.6311
width 42	0.00000000	B	.	.	.

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

The GLM Procedure

Dependent Variable: yield



The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
width	5	18 24 30 36 42

Number of Observations Read	30
Number of Observations Used	30

The GLM Procedure

Dependent Variable: yield

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	125.6613333	31.4153333	9.90	<.0001
Error	25	79.3283333	3.1731333		
Corrected Total	29	204.9896667			

R-Square	Coeff Var	Root MSE	yield Mean
0.613013	5.690541	1.781329	31.30333

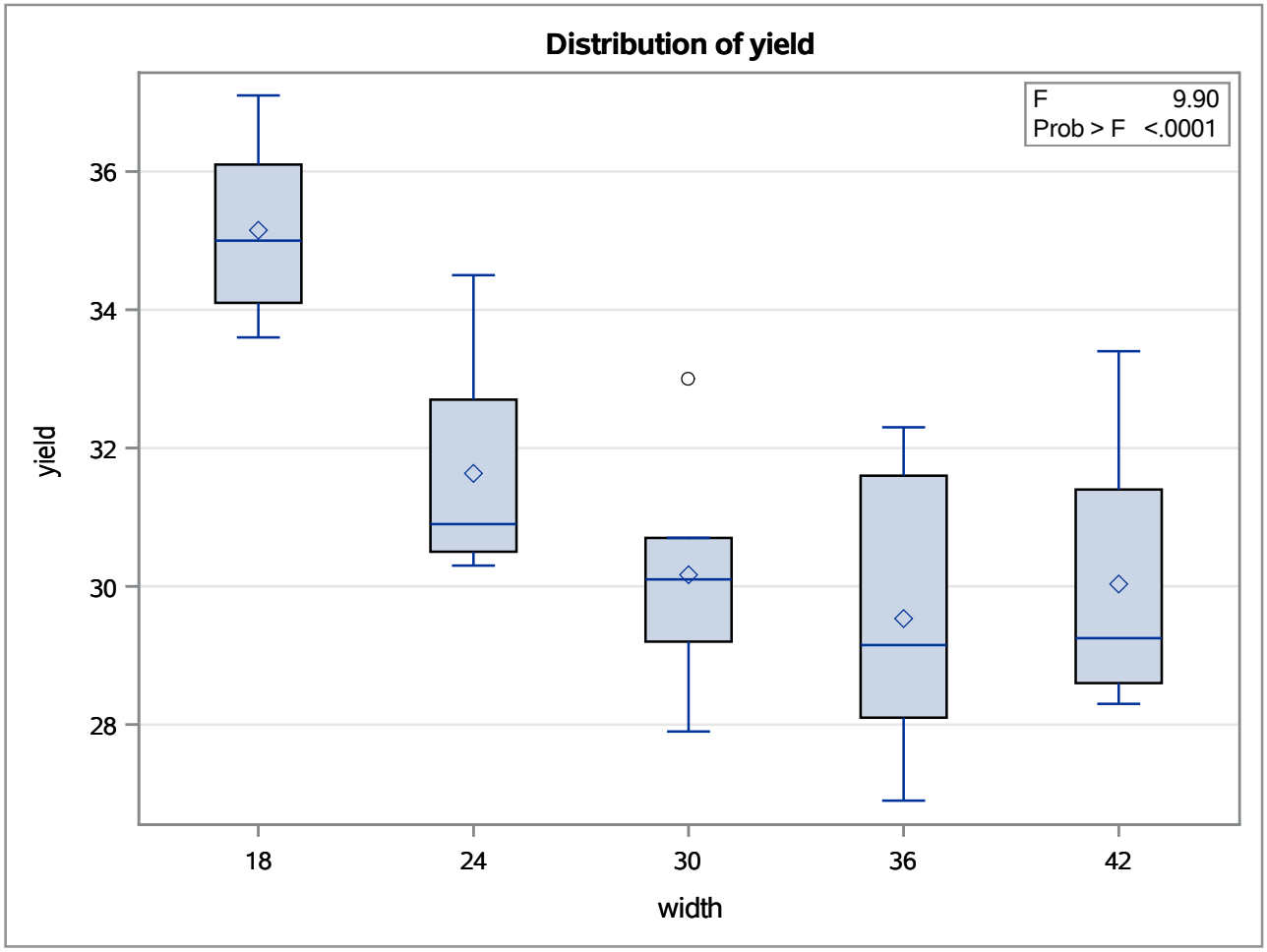
Source	DF	Type I SS	Mean Square	F Value	Pr > F
width	4	125.6613333	31.4153333	9.90	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
width	4	125.6613333	31.4153333	9.90	<.0001

Contrast	DF	Contrast SS	Mean Square	F Value	Pr > F
linear	1	91.26666667	91.26666667	28.76	<.0001
quadratic	1	33.69333333	33.69333333	10.62	0.0032
cubic	1	0.50416667	0.50416667	0.16	0.6936
quartic	1	0.19716667	0.19716667	0.06	0.8052

The GLM Procedure

Dependent Variable: yield



The GLM Procedure

Number of Observations Read	30
Number of Observations Used	30

The GLM Procedure

Dependent Variable: yield

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	124.9600000	62.4800000	21.08	<.0001
Error	27	80.0296667	2.9640617		
Corrected Total	29	204.9896667			

R-Square	Coeff Var	Root MSE	yield Mean
0.609592	5.499878	1.721645	31.30333

Source	DF	Type I SS	Mean Square	F Value	Pr > F
width	1	91.26666667	91.26666667	30.79	<.0001
width*width	1	33.69333333	33.69333333	11.37	0.0023

Source	DF	Type III SS	Mean Square	F Value	Pr > F
width	1	47.42971729	47.42971729	16.00	0.0004
width*width	1	33.69333333	33.69333333	11.37	0.0023

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	52.03666667	4.47217613	11.64	<.0001
width	-1.26111111	0.31526206	-4.00	0.0004
width*width	0.01759259	0.00521797	3.37	0.0023

The GLM Procedure

Dependent Variable: yield