Lognormal model for CARS dataset

The GLIMMIX Procedure

Model Information	
Data Set	MYDATA.CARS
Response Variable	Price
Response Distribution	Lognormal
Link Function	Identity
Variance Function	Default
Variance Matrix	Diagonal
Estimation Technique	Restricted Maximum Likelihood
Degrees of Freedom Method	Residual

Number of Observations Read	81
Number of Observations Used	81

Dimensions	
Covariance Parameters	1
Columns in X	4
Columns in Z	0
Subjects (Blocks in V)	1
Max Obs per Subject	81

Optimization Information	
Optimization Technique	None
Parameters	5
Lower Boundaries	1
Upper Boundaries	0
Fixed Effects	Not Profiled

Fit Statistics	
-2 Res Log Likelihood	27.80
AIC (smaller is better)	37.80
AICC (smaller is better)	38.64
BIC (smaller is better)	49.52
CAIC (smaller is better)	54.52
HQIC (smaller is better)	42.48
Pearson Chi-Square	4.09
Pearson Chi-Square / DF	0.05

Parameter Estimates					
Effect	**Estimate**	**Standard Error**	**DF**	**t Value**	**Pr > |t|**
Intercept	2.1022	0.1054	77	19.95	<.0001
s_Hwympg	-0.04193	0.01038	77	-4.04	0.0001
s_Hwympg^2	0.001599	0.000694	77	2.30	0.0240
Horsepower	0.004907	0.000784	77	6.26	<.0001
Scale	0.05317	0.008569	.	.	.

Type III Tests of Fixed Effects				
Effect	**Num DF**	**Den DF**	**F Value**	**Pr > F**
s_Hwympg	1	77	16.32	0.0001
s_Hwympg^2	1	77	5.30	0.0240
Horsepower	1	77	39.20	<.0001

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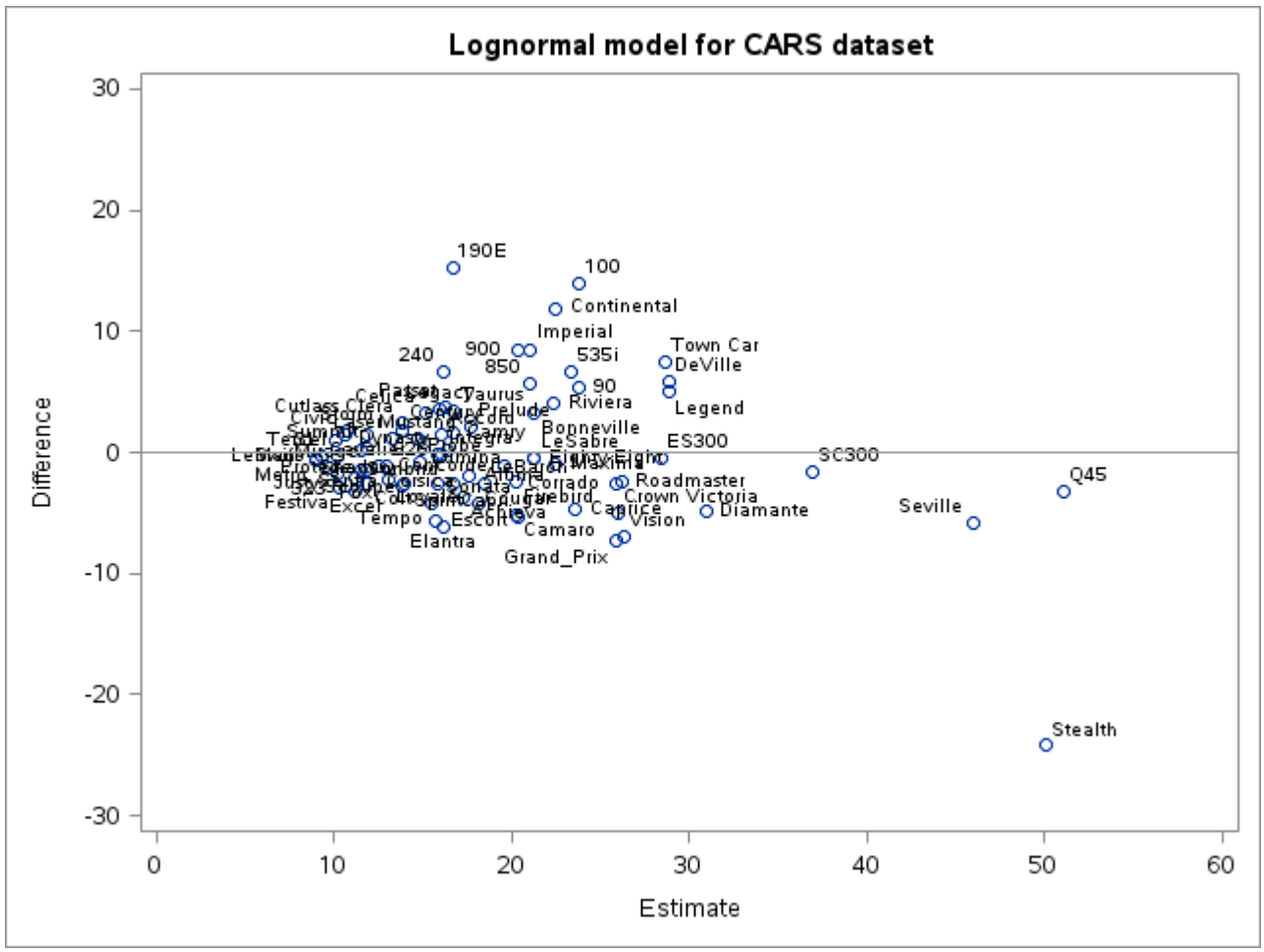
The CORR Procedure

2 Variables:	abserror pred

Spearman Correlation Coefficients, N = 81 Prob > |r| under H0: Rho=0		
	abserror	**pred**
abserror	1.00000	0.19492 0.0812
pred Linear Predictor	0.19492 0.0812	1.00000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Difference
Estimate
30
20
10
0
-10
-20
-30
0
10
20
30
40
50
60
190E
100
Continental
Imperial
240
900
850
535i
Town Car
DeVille
90
Taurus
Riviera
Legend
Bonneville
LeSabre
ES300
SC300
Q45
Roadmaster
Crown Victoria
Seville
Diamante
Corrado
Caprice
Vision
Tempo
Escort
Camaro
Elantra
Grand_Prix
Stealth