

Gasoline mileage data

The GLMSELECT Procedure

Data Set	WORK.MILEAGE
Dependent Variable	y
Selection Method	LASSO
Stop Criterion	SBC
Effect Hierarchy Enforced	None

Number of Observations Read	32
Number of Observations Used	30

Dimensions	
Number of Effects	12
Number of Parameters	12

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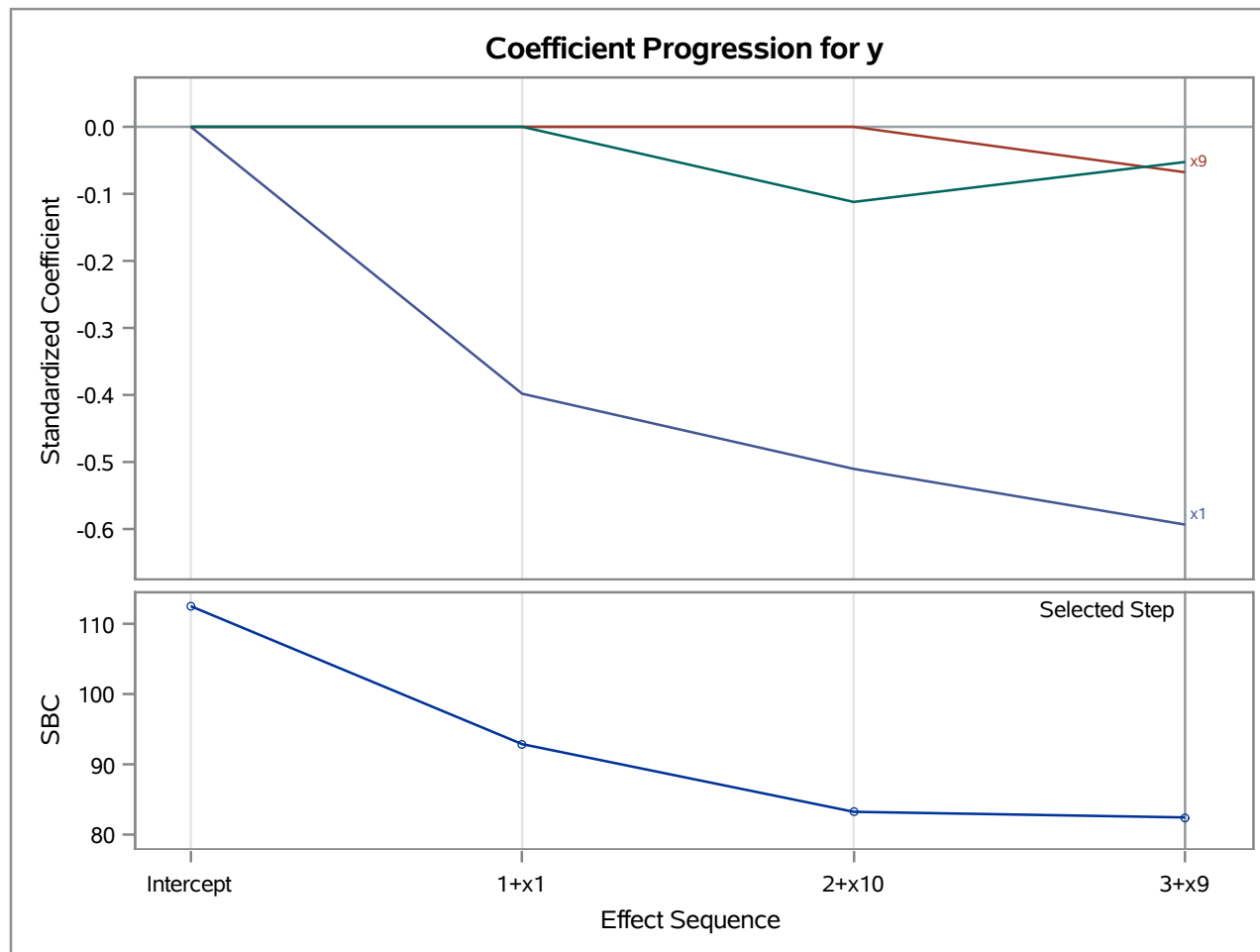
LASSO Selection Summary				
Step	Effect Entered	Effect Removed	Number Effects In	SBC
0	Intercept		1	112.5052
1	x1		2	92.8706
2	x10		3	83.2393
3	x9		4	82.4384*
* Optimal Value of Criterion				

Selection stopped at a local minimum of the SBC criterion.

Stop Details				
Candidate For	Effect	Candidate SBC		Compare SBC
Entry	x5	85.5101	>	82.4384

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The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 3).

Effects:	Intercept x1 x9 x10
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The GLMSELECT Procedure Selected Model

Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	3	841.53451	280.51150	24.51
Error	26	297.57051	11.44502	
Corrected Total	29	1139.10502		

Root MSE	3.38305
Dependent Mean	20.03833
R-Square	0.7388
Adj R-Sq	0.7086
AIC	108.83361
AICC	111.33361
SBC	82.43840

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Parameter Estimates		
Parameter	DF	Estimate
Intercept	1	35.803463
x1	1	-0.031995
x9	1	-0.074846
x10	1	-0.000350