

The GLM Procedure

Class Level Information		
Class	Levels	Values
Neighborhood	3	BrkSide Edwards NAmes

Number of Observations Read	383
Number of Observations Used	383

The GLM Procedure

Dependent Variable: LogSalePrice

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	14.62857557	2.92571511	79.14	<.0001
Error	377	13.93775037	0.03697016		
Corrected Total	382	28.56632594			

R-Square	Coeff Var	Root MSE	LogSalePrice Mean
0.512092	1.629617	0.192276	11.79887

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LogLiving	1	12.00843049	12.00843049	324.81	<.0001
Neighborhood	2	1.98063548	0.99031774	26.79	<.0001
LogLiving*Neighborhood	2	0.63950960	0.31975480	8.65	0.0002

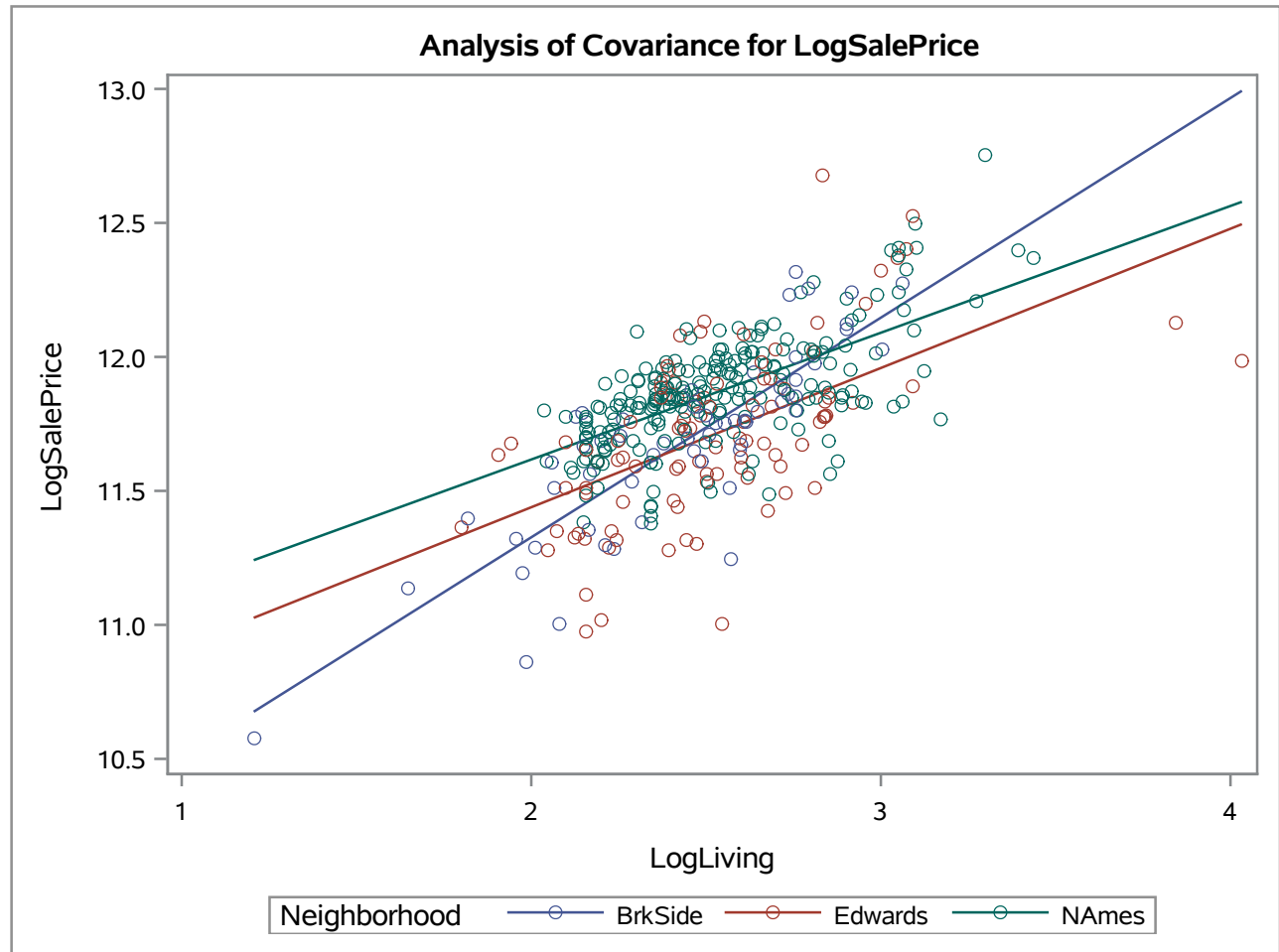
Source	DF	Type III SS	Mean Square	F Value	Pr > F
LogLiving	1	11.69403942	11.69403942	316.31	<.0001
Neighborhood	2	0.80762020	0.40381010	10.92	<.0001
LogLiving*Neighborhood	2	0.63950960	0.31975480	8.65	0.0002

Parameter	Estimate		Standard Error	t Value	Pr > t
Intercept	10.67108183	B	0.11566818	92.26	<.0001
LogLiving	0.47302360	B	0.04542895	10.41	<.0001
Neighborhood BrkSide	-0.98354230	B	0.21053746	-4.67	<.0001
Neighborhood Edwards	-0.27141855	B	0.18466058	-1.47	0.1424
Neighborhood NAmes	0.00000000	B	.	.	.
LogLiving*Neighborhood BrkSide	0.34662445	B	0.08482008	4.09	<.0001
LogLiving*Neighborhood Edwards	0.04664364	B	0.07248011	0.64	0.5203
LogLiving*Neighborhood NAmes	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: LogSalePrice



The GLM Procedure

Class Level Information		
Class	Levels	Values
Neighborhood	3	BrkSide Edwards NAmes

Number of Observations Read	383
Number of Observations Used	383

The GLM Procedure

Dependent Variable: LogSalePrice

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	13.98906597	4.66302199	121.24	<.0001
Error	379	14.57725997	0.03846243		
Corrected Total	382	28.56632594			

R-Square	Coeff Var	Root MSE	LogSalePrice Mean
0.489705	1.662180	0.196118	11.79887

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LogLiving	1	12.00843049	12.00843049	312.21	<.0001
Neighborhood	2	1.98063548	0.99031774	25.75	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LogLiving	1	11.33986787	11.33986787	294.83	<.0001
Neighborhood	2	1.98063548	0.99031774	25.75	<.0001

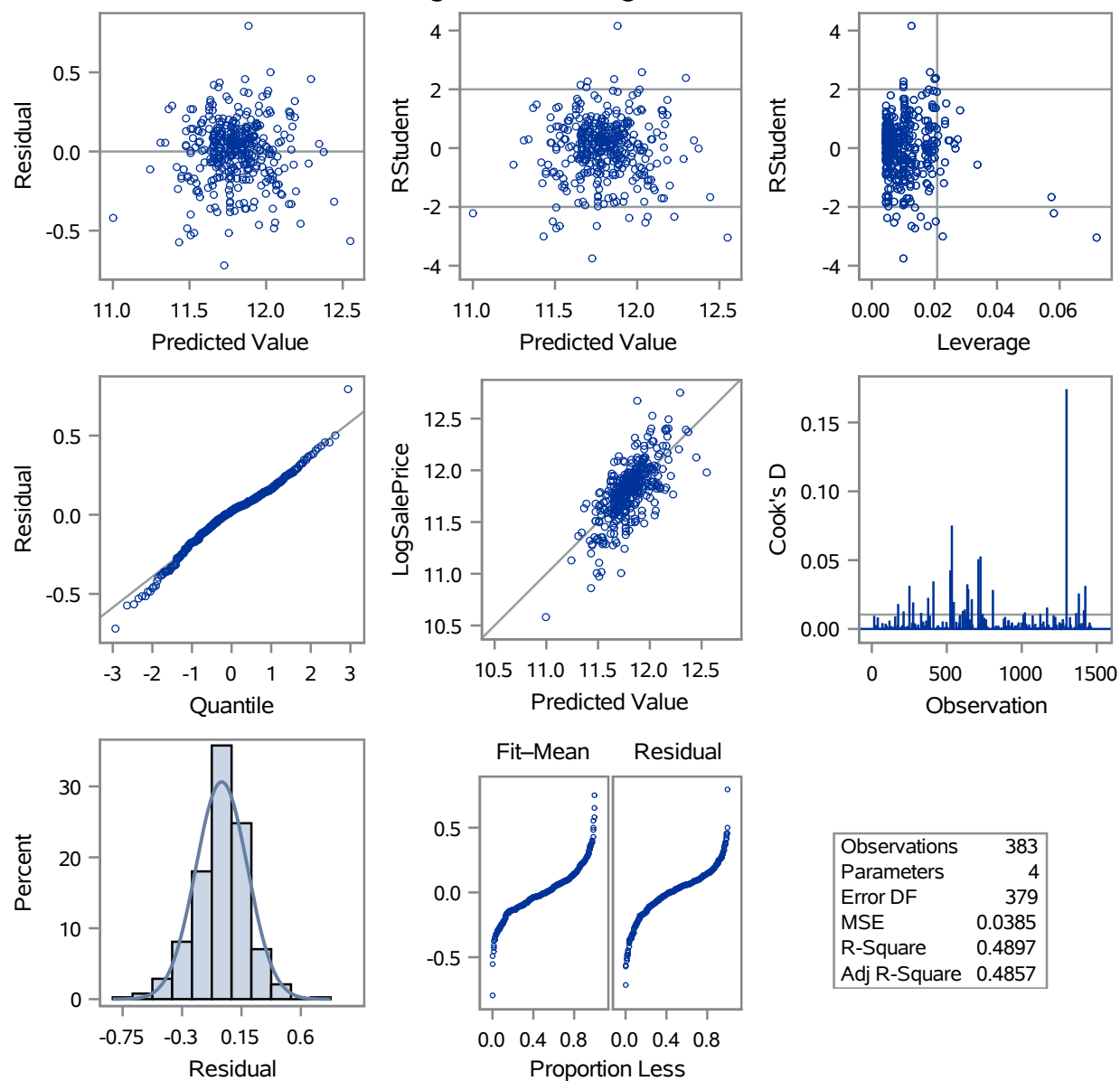
Parameter	Estimate		Standard Error	t Value	Pr > t
Intercept	10.46164964	B	0.08294408	126.13	<.0001
LogLiving	0.55578838		0.03236859	17.17	<.0001
Neighborhood BrkSide	-0.13278863	B	0.02906111	-4.57	<.0001
Neighborhood Edwards	-0.15322623	B	0.02357095	-6.50	<.0001
Neighborhood NAmes	0.00000000	B	.	.	.

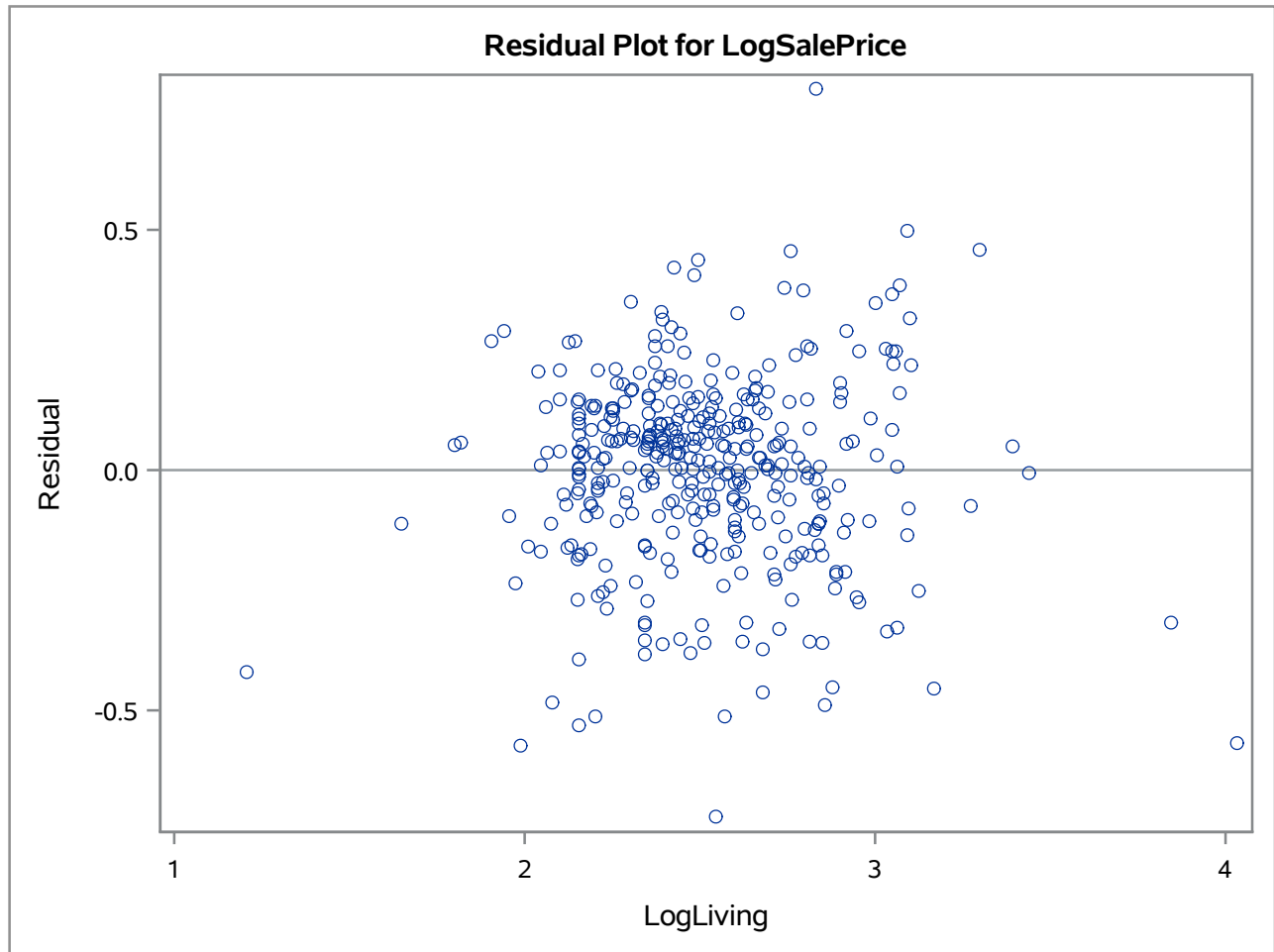
Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

The GLM Procedure

Dependent Variable: LogSalePrice

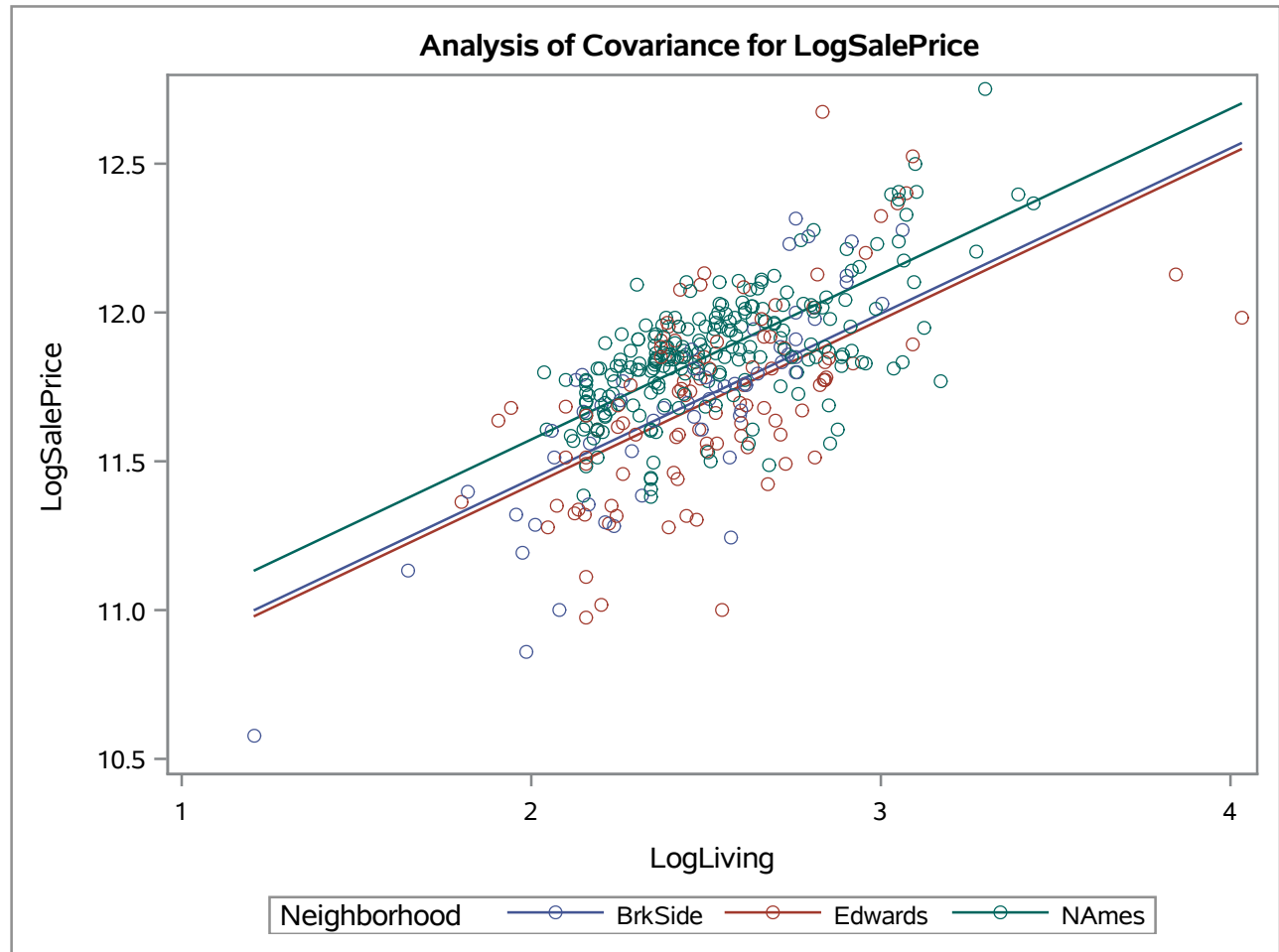
Fit Diagnostics for LogSalePrice



The GLM Procedure**Dependent Variable: LogSalePrice**

The GLM Procedure

Dependent Variable: LogSalePrice



The GLMSELECT Procedure

Data Set	WORK.TRAIN
Test Data Set	WORK.TEST_LOG
Dependent Variable	LogSalePrice
Selection Method	Forward
Select Criterion	Adj R-Sq
Stop Criterion	Cross Validation
Cross Validation Method	Random
Cross Validation Fold	5
Effect Hierarchy Enforced	None
Random Number Seed	359957303

Observation Profile for Analysis Data	
Number of Observations Read	1460
Number of Observations Used	1371
Number of Observations Used for Training	1371

Observation Profile for Test Data	
Number of Observations Read	1459
Number of Observations Used	0

Class Level Information		
Class	Levels	Values
Alley	3	Gr NA Pa
BldgType	5	1Fam 2fmCon Duplex Twnhs TwnhsE
BsmtCond	5	Fa Gd NA Po TA
BsmtExposure	5	Av Gd Mn NA No
BsmtFinType1	7	ALQ BLQ GLQ LwQ NA Rec Unf
BsmtFinType2	7	ALQ BLQ GLQ LwQ NA Rec Unf
BsmtQual	5	Ex Fa Gd NA TA
CentralAir	2	N Y
Condition1	9	Artery Feedr Norm PosA PosN RRAe RRAn RRNe RRNn
Condition2	8	Artery Feedr Norm PosA PosN RRAe RRAn RRNn
Electrical	6	FuseA FuseF FuseP Mix NA SBrkr
ExterCond	4	Ex Fa Gd TA
ExterQual	4	Ex Fa Gd TA
Exterior1st	14	AsbShng BrkComm BrkFace CBlock CemntBd HdBoard ImStucc MetalSd Plywood Stone Stucco VinylSd Wd Sdng WdShng
Exterior2nd	16	AsbShng AsphShn Brk Cmn BrkFace CBlock CmentBd HdBoard ImStucc MetalSd Other Plywood Stone Stucco VinylSd Wd Sdng Wd Shng

The GLMSELECT Procedure

Class Level Information		
Class	Levels	Values
Fence	5	GdPrv GdWo MnPrv MnWw NA
FireplaceQu	6	Ex Fa Gd NA Po TA
Foundation	6	BrkTil CBlock PConc Slab Stone Wood
Functional	7	Maj1 Maj2 Min1 Min2 Mod Sev Typ
GarageCond	5	Ex Fa Gd Po TA
GarageFinish	3	Fin RFn Unf
GarageQual	5	Ex Fa Gd Po TA
GarageType	6	2Types Attchd Basment BuiltIn CarPort Detchd
Heating	6	Floor GasA GasW Grav OthW Wall
HeatingQC	5	Ex Fa Gd Po TA
HouseStyle	8	1.5Fin 1.5Unf 1Story 2.5Fin 2.5Unf 2Story SFoyer SLvl
KitchenQual	4	Ex Fa Gd TA
LandContour	4	Bnk HLS Low Lvl
LandSlope	3	Gtl Mod Sev
LotConfig	5	Corner CulDSac FR2 FR3 Inside
LotFrontage	81	10 11 12 13 14 15 16 17 18 21 24 30 31 32 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 NA
LotShape	4	IR1 IR2 IR3 Reg
MSZoning	5	C (a FV RH RL RM
MasVnrType	4	BrkCmn BrkFace None Stone
MiscFeature	5	Gar2 NA Othr Shed TenC
Neighborhood	25	Blmngtn Blueste BrDale BrkSide ClearCr CollgCr Crawfor Edwards Gilbert IDOTRR MeadowV Mitchel NAmes NPKvill NWAmes NoRidge NridgHt OldTown SWISU Sawyer SawyerW Somerst StoneBr Timber Veenker
PavedDrive	3	N P Y
PoolQC	4	Ex Fa Gd NA
RoofMatl	8	ClyTile CompShg Membran Metal Roll Tar&Grv WdShake WdShngl
RoofStyle	6	Flat Gable Gambrel Hip Mansard Shed
SaleCondition	6	Abnorml AdjLand Alloca Family Normal Partial
SaleType	9	COD CWD Con ConLD ConLI ConLw New Oth WD
Street	2	GrV Pave
Utilities	2	AllPub NoSeWa

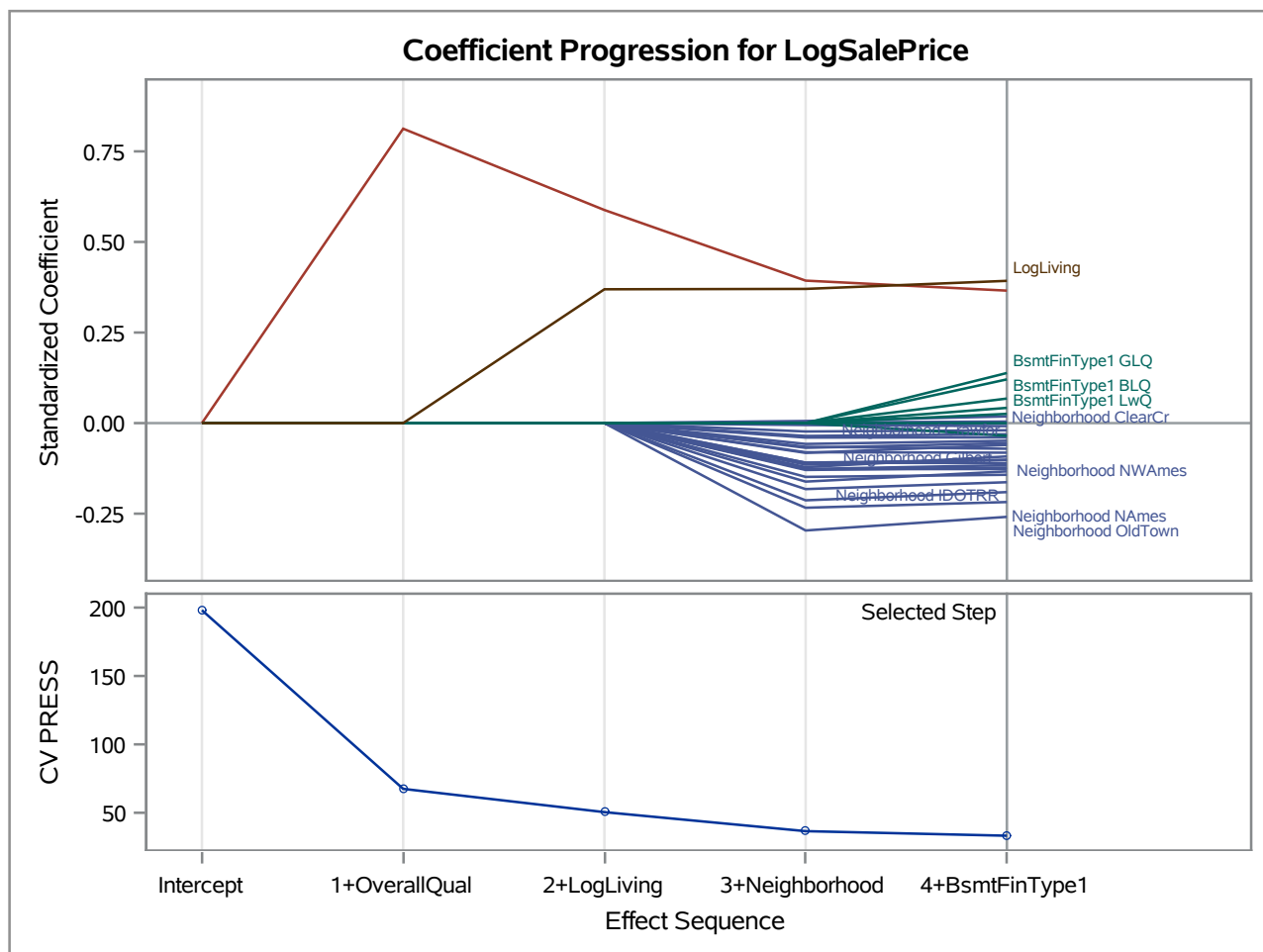
Dimensions	
Number of Effects	81
Number of Parameters	379

The GLMSELECT Procedure

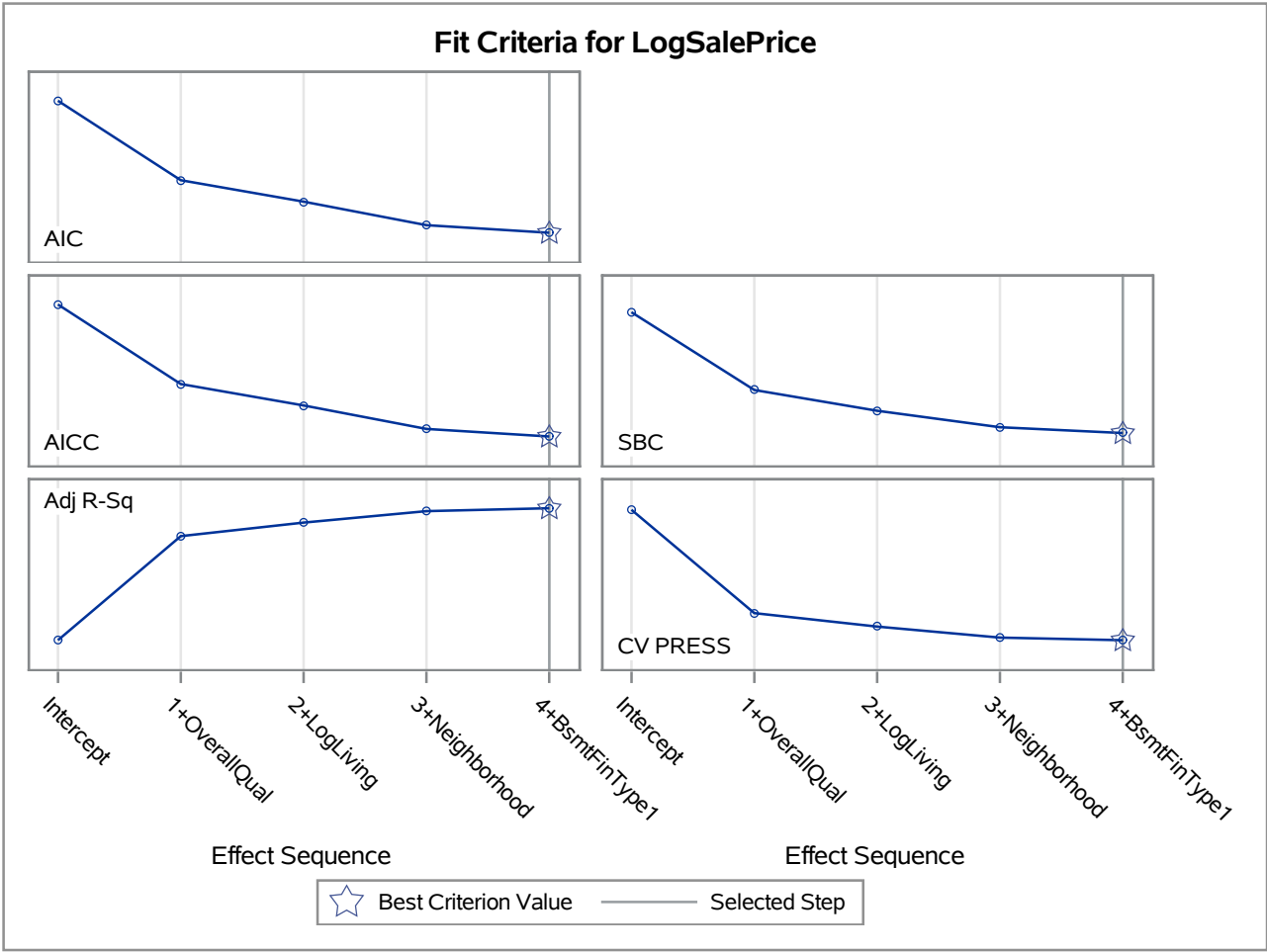
Forward Selection Summary						
Step	Effect Entered	Number Effects In	Number Parms In	Adjusted R-Square	ASE	CV PRESS
0	Intercept	1	1	0.0000	0.1444	198.0483
1	OverallQual	2	2	0.6601	0.0490	67.4668
2	LogLiving	3	3	0.7460	0.0366	50.4549
3	Neighborhood	4	27	0.8185	0.0257	36.5441
4	BsmtFinType1	5	33	0.8370*	0.0230	33.2221*
* Optimal Value of Criterion						

Selection stopped at a local minimum of the cross validation PRESS.

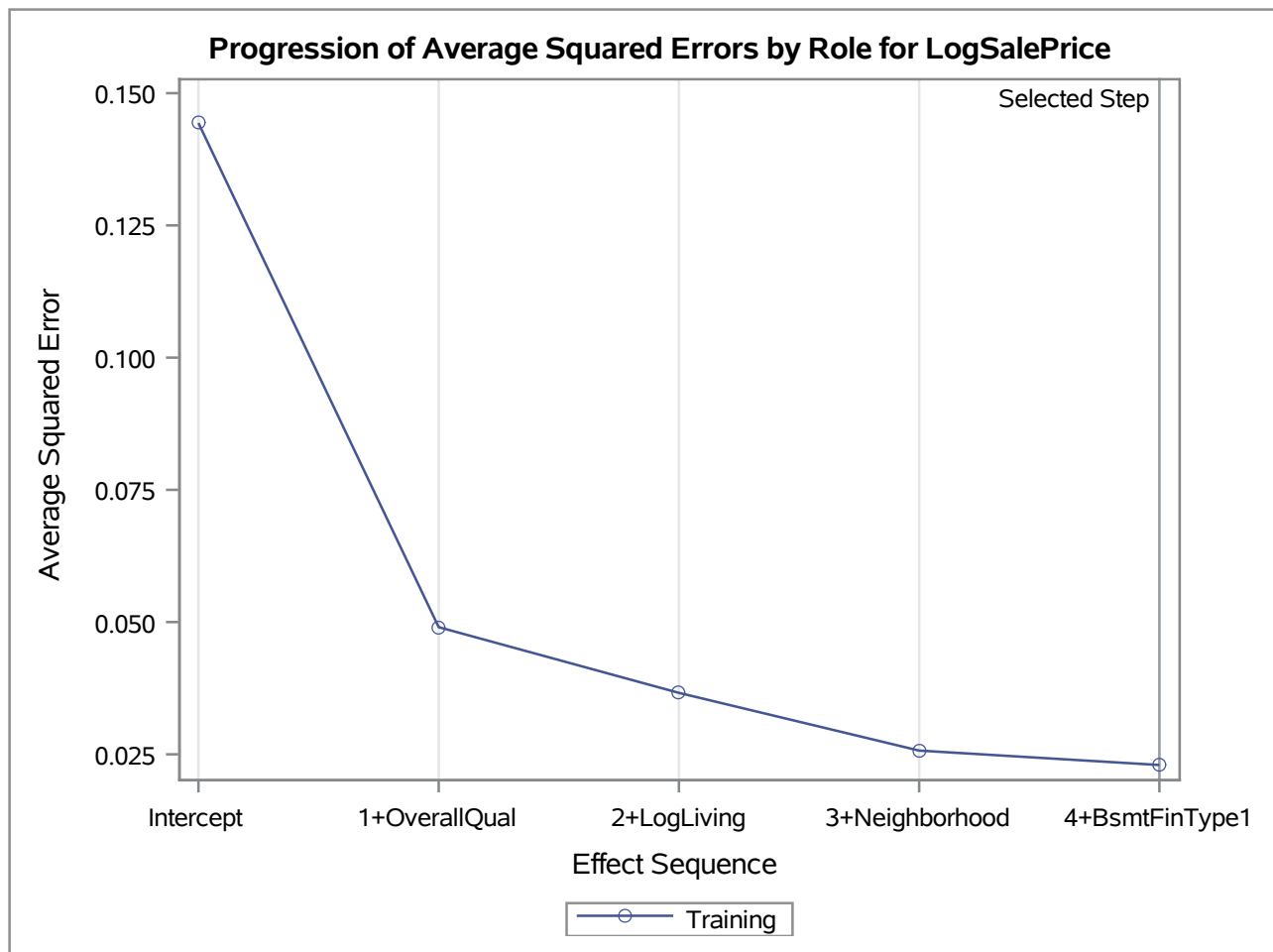
Stop Details				
Candidate For	Effect	Candidate CV PRESS		Compare CV PRESS
Entry	LotFrontage	33.8661	>	33.2221



The GLMSELECT Procedure



The GLMSELECT Procedure



The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 4).

Effects:	Intercept Neighborhood OverallQual BsmtFinType1 LogLiving
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	32	166.41511	5.20047	220.86
Error	1338	31.50522	0.02355	
Corrected Total	1370	197.92032		

Root MSE	0.15345
Dependent Mean	12.05374
R-Square	0.8408
Adj R-Sq	0.8370
AIC	-3733.97842
AICC	-3732.19698
SBC	-4934.60966
ASE (Train)	0.02298
CV PRESS	33.22211

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	10.299776	0.064584	159.48
Neighborhood Blmngtn	1	-0.167477	0.059781	-2.80
Neighborhood Blueste	1	-0.393421	0.118184	-3.33
Neighborhood BrDale	1	-0.521026	0.061280	-8.50
Neighborhood BrkSide	1	-0.275486	0.052054	-5.29
Neighborhood ClearCr	1	-0.054117	0.055311	-0.98
Neighborhood CollgCr	1	-0.124410	0.048343	-2.57
Neighborhood Crawfor	1	-0.112379	0.051473	-2.18
Neighborhood Edwards	1	-0.312443	0.050098	-6.24
Neighborhood Gilbert	1	-0.150920	0.049939	-3.02
Neighborhood IDOTRR	1	-0.430830	0.055413	-7.77
Neighborhood MeadowV	1	-0.450159	0.064994	-6.93
Neighborhood Mitchel	1	-0.176073	0.052113	-3.38
Neighborhood NAmes	1	-0.226014	0.048017	-4.71
Neighborhood NPKvill	1	-0.332628	0.069351	-4.80

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Neighborhood NWAmes	1	-0.214491	0.049860	-4.30
Neighborhood NoRidge	1	-0.018353	0.053098	-0.35
Neighborhood NridgHt	1	0.030622	0.050276	0.61
Neighborhood OldTown	1	-0.376363	0.049512	-7.60
Neighborhood SWISU	1	-0.368107	0.058230	-6.32
Neighborhood Sawyer	1	-0.210800	0.050459	-4.18
Neighborhood SawyerW	1	-0.193573	0.050856	-3.81
Neighborhood Somerst	1	-0.096258	0.049721	-1.94
Neighborhood StoneBr	1	0.011962	0.056162	0.21
Neighborhood Timber	1	-0.071450	0.052735	-1.35
Neighborhood Veenker	0	0	.	.
OverallQual	1	0.103396	0.005353	19.31
BsmtFinType1 ALQ	1	0.127562	0.014584	8.75
BsmtFinType1 BLQ	1	0.084710	0.016428	5.16
BsmtFinType1 GLQ	1	0.115267	0.011952	9.64
BsmtFinType1 LwQ	1	0.044263	0.020724	2.14
BsmtFinType1 NA	1	-0.091237	0.030762	-2.97
BsmtFinType1 Rec	1	0.055506	0.017024	3.26
BsmtFinType1 Unf	0	0	.	.
LogLiving	1	0.462127	0.017529	26.36

The GLMSELECT Procedure

Data Set	WORK.TRAIN
Test Data Set	WORK.TEST_LOG
Dependent Variable	LogSalePrice
Selection Method	Backward
Select Criterion	Adj R-Sq
Stop Criterion	Cross Validation
Choose Criterion	Cross Validation
Cross Validation Method	Random
Cross Validation Fold	5
Effect Hierarchy Enforced	None
Random Number Seed	370261942

Observation Profile for Analysis Data	
Number of Observations Read	1460
Number of Observations Used	1371
Number of Observations Used for Training	1371

Observation Profile for Test Data	
Number of Observations Read	1459
Number of Observations Used	0

Class Level Information		
Class	Levels	Values
Alley	3	Gr NA Pa
BldgType	5	1Fam 2fmCon Duplex Twnhs TwnhsE
BsmtCond	5	Fa Gd NA Po TA
BsmtExposure	5	Av Gd Mn NA No
BsmtFinType1	7	ALQ BLQ GLQ LwQ NA Rec Unf
BsmtFinType2	7	ALQ BLQ GLQ LwQ NA Rec Unf
BsmtQual	5	Ex Fa Gd NA TA
CentralAir	2	N Y
Condition1	9	Artery Feedr Norm PosA PosN RRAe RRAn RRNe RRNn
Condition2	8	Artery Feedr Norm PosA PosN RRAe RRAn RRNn
Electrical	6	FuseA FuseF FuseP Mix NA SBrkr
ExterCond	4	Ex Fa Gd TA
ExterQual	4	Ex Fa Gd TA
Exterior1st	14	AsbShng BrkComm BrkFace CBlock CemntBd HdBoard ImStucc MetalSd Plywood Stone Stucco VinylSd Wd Sdng WdShing

The GLMSELECT Procedure

Class Level Information		
Class	Levels	Values
Exterior2nd	16	AsbShng AsphShn Brk Cmn BrkFace CBlock CmentBd HdBoard ImStucc MetalSd Other Plywood Stone Stucco VinylSd Wd Sdng Wd Shng
Fence	5	GdPrv GdWo MnPrv MnWw NA
FireplaceQu	6	Ex Fa Gd NA Po TA
Foundation	6	BrkTil CBlock PConc Slab Stone Wood
Functional	7	Maj1 Maj2 Min1 Min2 Mod Sev Typ
GarageCond	5	Ex Fa Gd Po TA
GarageFinish	3	Fin RFn Unf
GarageQual	5	Ex Fa Gd Po TA
GarageType	6	2Types Attchd Basment BuiltIn CarPort Detchd
Heating	6	Floor GasA GasW Grav OthW Wall
HeatingQC	5	Ex Fa Gd Po TA
HouseStyle	8	1.5Fin 1.5Unf 1Story 2.5Fin 2.5Unf 2Story SFoyer SLvl
KitchenQual	4	Ex Fa Gd TA
LandContour	4	Bnk HLS Low Lvl
LandSlope	3	Gtl Mod Sev
LotConfig	5	Corner CulDSac FR2 FR3 Inside
LotFrontage	81	10 11 12 13 14 15 16 17 18 21 24 30 31 32 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 NA
LotShape	4	IR1 IR2 IR3 Reg
MSZoning	5	C (a FV RH RL RM
MasVnrType	4	BrkCmn BrkFace None Stone
MiscFeature	5	Gar2 NA Othr Shed TenC
Neighborhood	25	Blmngtn Blueste BrDale BrkSide ClearCr CollgCr Crawfor Edwards Gilbert IDOTRR MeadowV Mitchel NAmes NPkVill NWAmes NoRidge NridgHt OldTown SWISU Sawyer SawyerW Somerst StoneBr Timber Veenker
PavedDrive	3	N P Y
PoolQC	4	Ex Fa Gd NA
RoofMatl	8	ClyTile CompShg Membran Metal Roll Tar&Grv WdShake WdShngl
RoofStyle	6	Flat Gable Gambrel Hip Mansard Shed
SaleCondition	6	Abnorml AdjLand Alloca Family Normal Partial
SaleType	9	COD CWD Con ConLD ConLI ConLw New Oth WD
Street	2	Grv Pave
Utilities	2	AllPub NoSeWa

Dimensions	
Number of Effects	81
Number of Parameters	379

The GLMSELECT Procedure

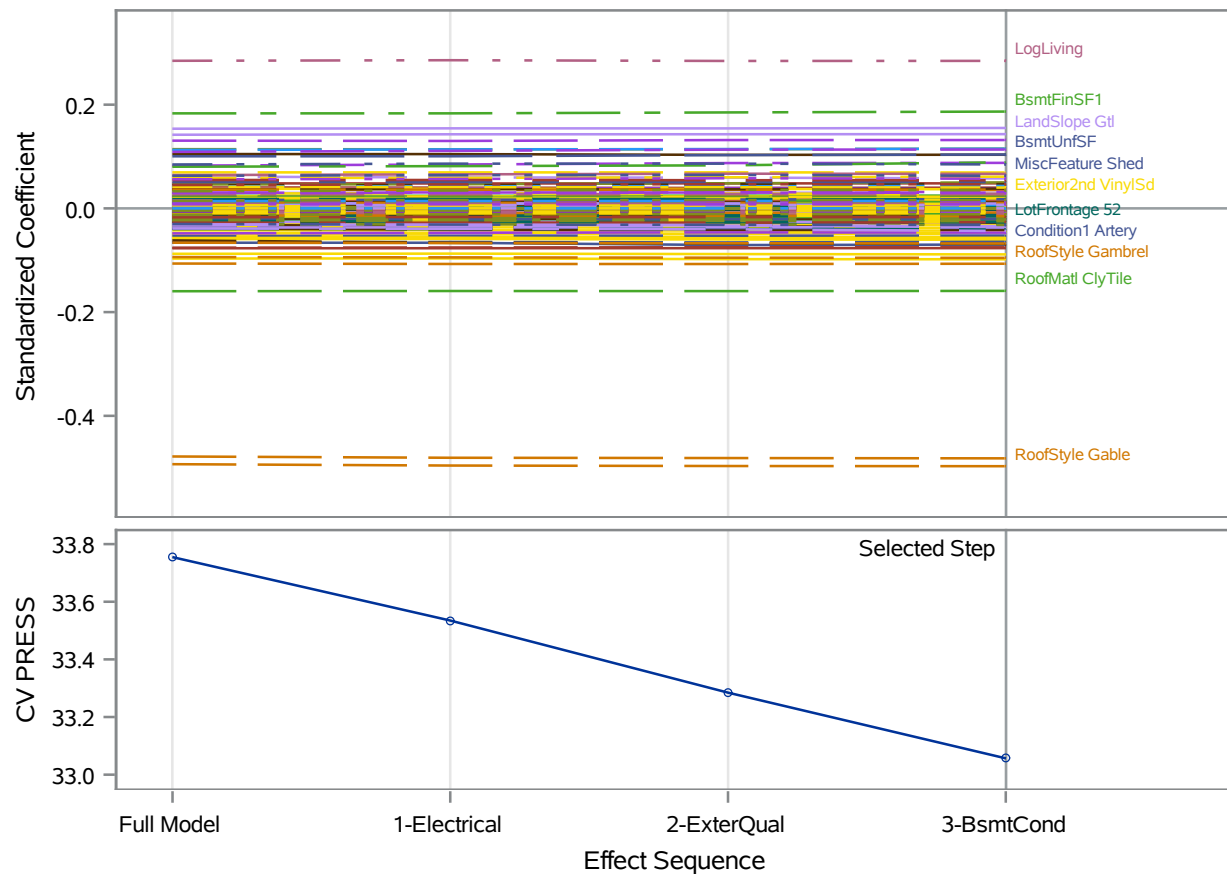
Backward Selection Summary						
Step	Effect Removed	Number Effects In	Number Parm's In	Adjusted R-Square	ASE	CV PRESS
0		81	329	0.9386	0.0067	33.7549
	Living	80	329	0.9386	0.0067	33.7549
	TotalBsmtSF	79	329	0.9386	0.0067	33.7549
1	Electrical	78	325	0.9388	0.0067	33.5348
2	ExterQual	77	322	0.9389	0.0068	33.2845
3	BsmtCond	76	319	0.9390*	0.0068	33.0564*
* Optimal Value of Criterion						

Note: Effects dropped at step 0 are redundant.

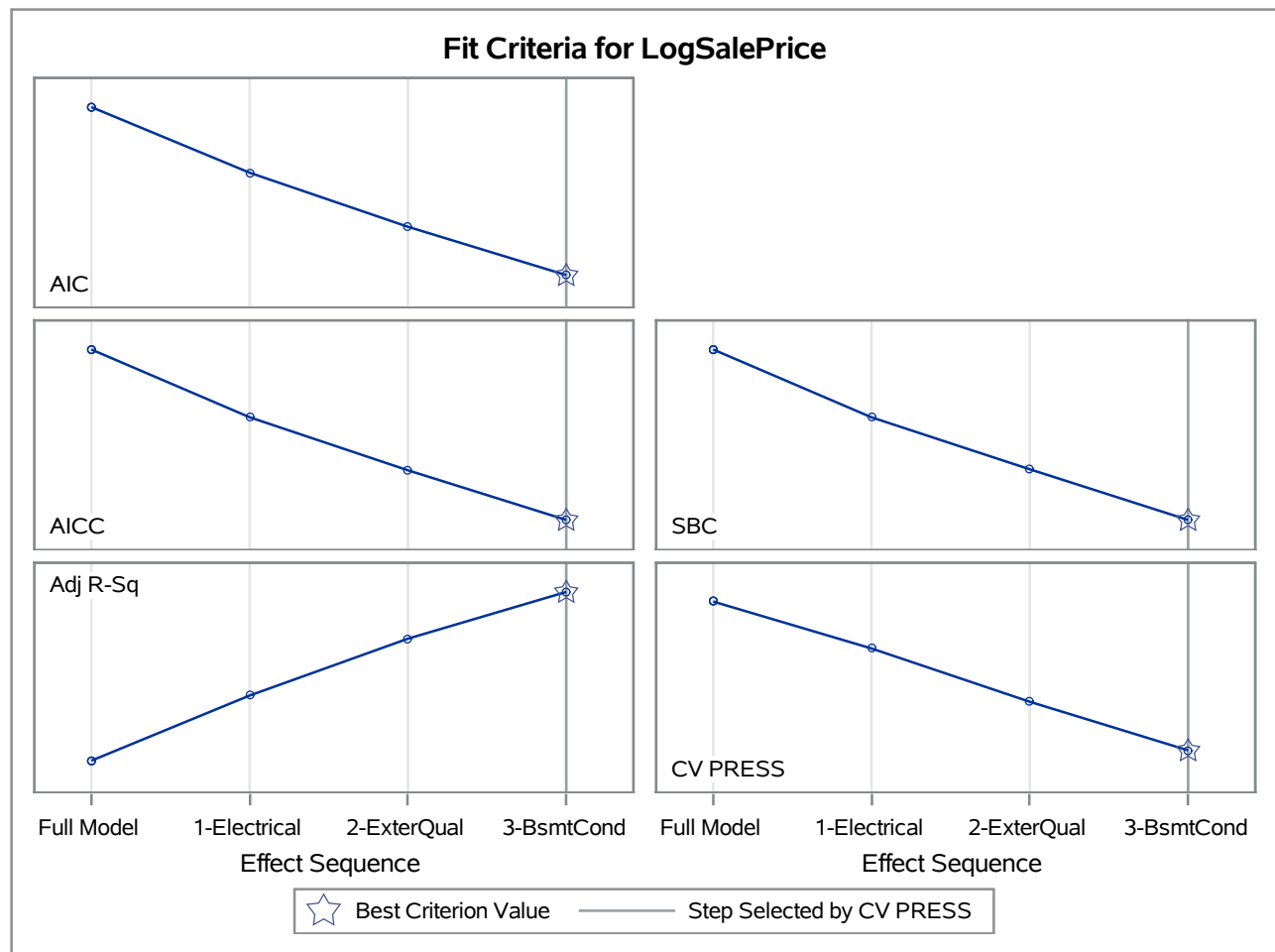
Selection stopped at a local minimum of the cross validation PRESS.

Stop Details			
Candidate For	Effect	Candidate CV PRESS	Compare CV PRESS
Removal	FireplaceQu	33.0954	> 33.0564

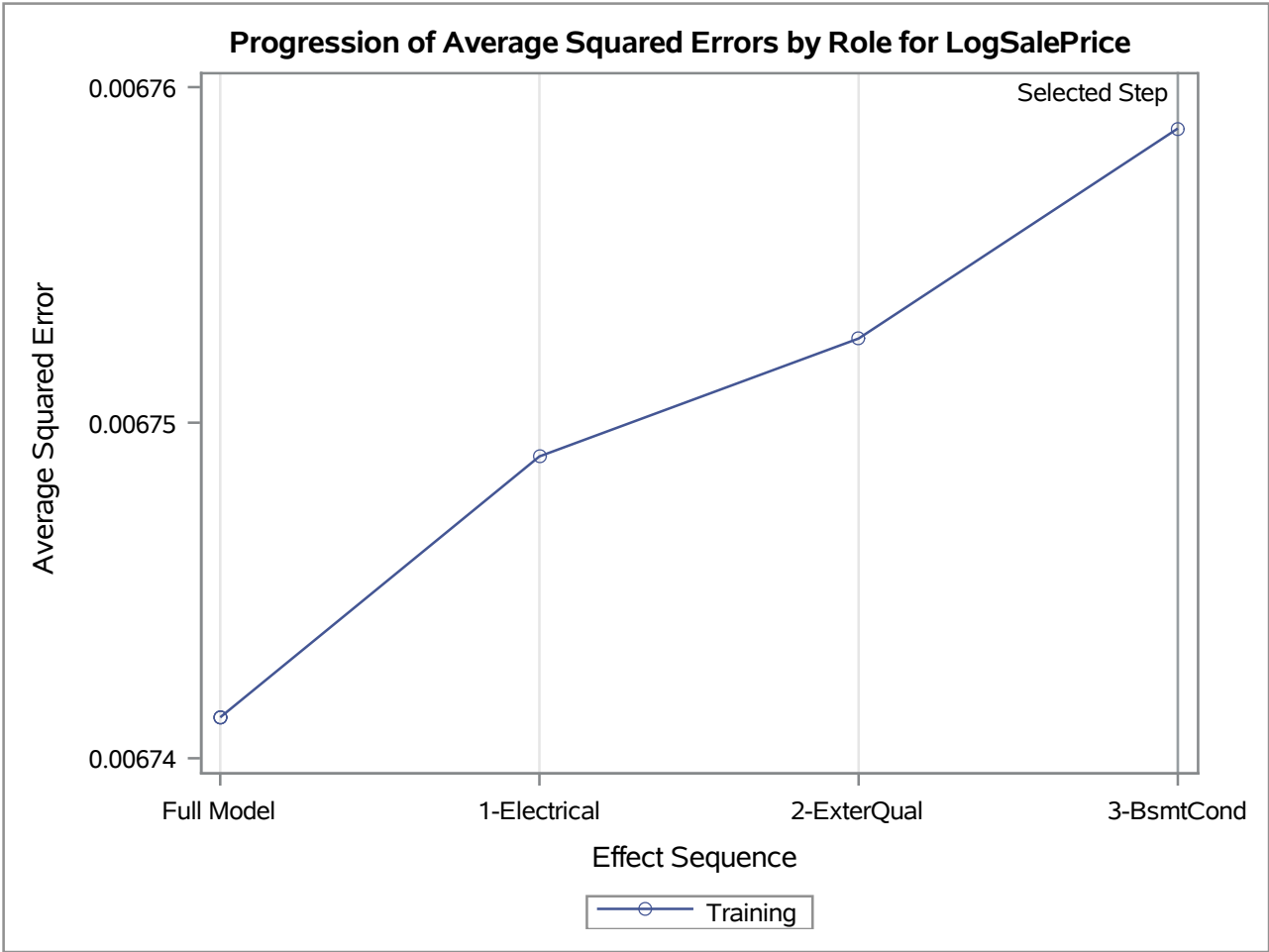
Coefficient Progression for LogSalePrice



The GLMSELECT Procedure



The GLMSELECT Procedure



The GLMSELECT Procedure Selected Model

The selected model, based on Cross Validation, is the model at Step 3.

Effects:	Intercept MSubClass MSZoning LotFrontage LotArea Street Alley LotShape LandContour Utilities LotConfig LandSlope Neighborhood Condition1 Condition2 BldgType HouseStyle OverallQual OverallCond YearBuilt YearRemodAdd RoofStyle RoofMatl Exterior1st Exterior2nd MasVnrType MasVnrArea ExterCond Foundation BsmtQual BsmtExposure BsmtFinType1 BsmtFinSF1 BsmtFinType2 BsmtFinSF2 BsmtUnfSF Heating HeatingQC CentralAir _1stFlrSF _2ndFlrSF LowQualFinSF BsmtFullBath BsmtHalfBath FullBath HalfBath BedroomAbvGr KitchenAbvGr KitchenQual TotRmsAbvGrd Functional Fireplaces FireplaceQu GarageType GarageYrBlt GarageFinish GarageCars GarageArea GarageQual GarageCond PavedDrive WoodDeckSF OpenPorchSF EnclosedPorch _3SsnPorch ScreenPorch PoolArea PoolQC Fence MiscFeature MiscVal MoSold YrSold SaleType SaleCondition LogLiving
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	318	188.65405	0.59325	67.35
Error	1052	9.26627	0.00881	
Corrected Total	1370	197.92032		

Root MSE	0.09385
Dependent Mean	12.05374
R-Square	0.9532
Adj R-Sq	0.9390
AIC	-4839.76979
AICC	-4644.11265
SBC	-4546.53847
ASE (Train)	0.00676
CV PRESS	33.05642

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	9.913759	4.662119	2.13
MSSubClass	1	-0.000646	0.000362	-1.79
MSZoning C (a)	1	-0.382431	0.045489	-8.41
MSZoning FV	1	0.088213	0.033871	2.60
MSZoning RH	1	0.028862	0.037701	0.77
MSZoning RL	1	0.037941	0.017645	2.15
MSZoning RM	0	0	.	.
LotFrontage 10	1	0.025976	0.018056	1.44
LotFrontage 11	1	0.066631	0.027360	2.44
LotFrontage 12	1	-0.010828	0.027530	-0.39
LotFrontage 13	1	-0.101334	0.044804	-2.26
LotFrontage 14	1	0.068507	0.051202	1.34
LotFrontage 15	1	-0.219091	0.097798	-2.24
LotFrontage 16	1	0.147404	0.094654	1.56
LotFrontage 17	1	0.084912	0.088064	0.96
LotFrontage 18	1	0.142810	0.107765	1.33
LotFrontage 21	1	-0.051731	0.056995	-0.91
LotFrontage 24	1	-0.036691	0.042237	-0.87
LotFrontage 30	1	-0.024079	0.046453	-0.52
LotFrontage 31	1	-0.048948	0.123104	-0.40
LotFrontage 32	1	-0.001287	0.052954	-0.02
LotFrontage 34	1	0.011950	0.037291	0.32
LotFrontage 35	1	0.029959	0.047922	0.63
LotFrontage 36	1	-0.063763	0.047277	-1.35
LotFrontage 37	1	-0.010988	0.045510	-0.24
LotFrontage 38	1	-0.009641	0.107637	-0.09
LotFrontage 39	1	-0.136536	0.100491	-1.36
LotFrontage 40	1	-0.041680	0.034001	-1.23
LotFrontage 41	1	-0.098415	0.044858	-2.19
LotFrontage 42	1	0.005398	0.060636	0.09
LotFrontage 43	1	-0.061518	0.037447	-1.64
LotFrontage 44	1	-0.045289	0.036276	-1.25
LotFrontage 45	1	-0.151025	0.081640	-1.85
LotFrontage 46	1	0.068122	0.098706	0.69

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
LotFrontage 47	1	-0.012861	0.047767	-0.27
LotFrontage 48	1	0.033963	0.041514	0.82
LotFrontage 49	1	0.063603	0.057309	1.11
LotFrontage 50	1	-0.040797	0.018594	-2.19
LotFrontage 51	1	-0.053904	0.032894	-1.64
LotFrontage 52	1	-0.098942	0.030578	-3.24
LotFrontage 53	1	-0.080721	0.039632	-2.04
LotFrontage 54	1	0.092770	0.047160	1.97
LotFrontage 55	1	0.021921	0.033135	0.66
LotFrontage 56	1	0.030241	0.060648	0.50
LotFrontage 57	1	-0.006256	0.030745	-0.20
LotFrontage 58	1	-0.083182	0.044927	-1.85
LotFrontage 59	1	-0.016432	0.029156	-0.56
LotFrontage 60	1	-0.019029	0.013750	-1.38
LotFrontage 61	1	0.058571	0.036953	1.59
LotFrontage 62	1	-0.006457	0.036155	-0.18
LotFrontage 63	1	0.009313	0.028144	0.33
LotFrontage 64	1	0.046026	0.026557	1.73
LotFrontage 65	1	-0.016240	0.018039	-0.90
LotFrontage 66	1	0.024023	0.028934	0.83
LotFrontage 67	1	-0.031021	0.037029	-0.84
LotFrontage 68	1	-0.022291	0.025178	-0.89
LotFrontage 69	1	0.040387	0.034356	1.18
LotFrontage 70	1	0.016562	0.015630	1.06
LotFrontage 71	1	-0.023541	0.031498	-0.75
LotFrontage 72	1	-0.005225	0.026513	-0.20
LotFrontage 73	1	-0.036359	0.025633	-1.42
LotFrontage 74	1	0.008102	0.027682	0.29
LotFrontage 75	1	0.005462	0.017008	0.32
LotFrontage 76	1	-0.011580	0.033432	-0.35
LotFrontage 77	1	0.006460	0.038454	0.17
LotFrontage 78	1	0.013106	0.022571	0.58
LotFrontage 79	1	0.008128	0.025990	0.31
LotFrontage 80	1	0.003927	0.015161	0.26

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
LotFrontage 81	1	0.008816	0.046663	0.19
LotFrontage 82	1	0.007720	0.032139	0.24
LotFrontage 83	1	0.020480	0.045246	0.45
LotFrontage 84	1	0.040110	0.035342	1.13
LotFrontage 85	1	-0.040419	0.019157	-2.11
LotFrontage 86	1	0.016166	0.033163	0.49
LotFrontage 87	1	0.028574	0.047275	0.60
LotFrontage 88	1	0.024463	0.032544	0.75
LotFrontage 89	1	0.013114	0.049345	0.27
LotFrontage 90	1	-0.035431	0.024890	-1.42
LotFrontage 91	1	0.074620	0.041668	1.79
LotFrontage 92	1	-0.022907	0.040031	-0.57
LotFrontage 93	1	-0.000805	0.035926	-0.02
LotFrontage 94	1	-0.056177	0.045022	-1.25
LotFrontage 95	1	-0.087403	0.045635	-1.92
LotFrontage 96	1	0.005663	0.038330	0.15
LotFrontage 97	1	-0.000063445	0.077239	-0.00
LotFrontage 98	1	-0.046519	0.036883	-1.26
LotFrontage 99	1	0.031559	0.059057	0.53
LotFrontage NA	0	0	.	.
LotArea	1	0.000003845	0.000000514	7.48
Street Grvl	1	-0.169695	0.058369	-2.91
Street Pave	0	0	.	.
Alley Gr	1	-0.005946	0.028592	-0.21
Alley NA	1	-0.003983	0.022203	-0.18
Alley Pa	0	0	.	.
LotShape IR1	1	-0.007778	0.007576	-1.03
LotShape IR2	1	0.012145	0.019863	0.61
LotShape IR3	1	-0.034902	0.041799	-0.83
LotShape Reg	0	0	.	.
LandContour Bnk	1	-0.007756	0.017117	-0.45
LandContour HLS	1	0.014678	0.018711	0.78
LandContour Low	1	-0.040550	0.025104	-1.62
LandContour Lvl	0	0	.	.

The GLMSELECT Procedure
Selected Model

Parameter Estimates					
Parameter		DF	Estimate	Standard Error	t Value
Utilities	AllPub	1	0.314573	0.110243	2.85
Utilities	NoSeWa	0	0	.	.
LotConfig	Corner	1	0.011593	0.008060	1.44
LotConfig	CulDSac	1	0.037404	0.013669	2.74
LotConfig	FR2	1	-0.042950	0.017071	-2.52
LotConfig	FR3	1	-0.077092	0.054952	-1.40
LotConfig	Inside	0	0	.	.
LandSlope	Gtl	1	0.242309	0.049067	4.94
LandSlope	Mod	1	0.285693	0.049063	5.82
LandSlope	Sev	0	0	.	.
Neighborhood	Blmngtn	1	-0.008369	0.052784	-0.16
Neighborhood	Blueste	1	-0.064241	0.089020	-0.72
Neighborhood	BrDale	1	-0.082633	0.063627	-1.30
Neighborhood	BrkSide	1	0.005575	0.043881	0.13
Neighborhood	ClearCr	1	-0.053690	0.043045	-1.25
Neighborhood	CollgCr	1	-0.071157	0.037446	-1.90
Neighborhood	Crawfor	1	0.045324	0.040267	1.13
Neighborhood	Edwards	1	-0.145575	0.038522	-3.78
Neighborhood	Gilbert	1	-0.061299	0.038986	-1.57
Neighborhood	IDOTRR	1	-0.042468	0.049016	-0.87
Neighborhood	MeadowV	1	-0.224125	0.058042	-3.86
Neighborhood	Mitchel	1	-0.092380	0.039309	-2.35
Neighborhood	NAmes	1	-0.101786	0.036560	-2.78
Neighborhood	NPkVill	1	-0.008111	0.065336	-0.12
Neighborhood	NWAmes	1	-0.102271	0.037162	-2.75
Neighborhood	NoRidge	1	0.019315	0.041617	0.46
Neighborhood	NridgHt	1	0.028078	0.040360	0.70
Neighborhood	OldTown	1	-0.068986	0.043806	-1.57
Neighborhood	SWISU	1	-0.045470	0.047114	-0.97
Neighborhood	Sawyer	1	-0.083943	0.037615	-2.23
Neighborhood	SawyerW	1	-0.051223	0.038303	-1.34
Neighborhood	Somerst	1	-0.050985	0.044485	-1.15
Neighborhood	StoneBr	1	0.104706	0.043799	2.39
Neighborhood	Timber	1	-0.039348	0.040608	-0.97

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Neighborhood Veenker	0	0	.	.
Condition1 Artery	1	-0.139033	0.056569	-2.46
Condition1 Feedr	1	-0.090139	0.054492	-1.65
Condition1 Norm	1	-0.039400	0.052658	-0.75
Condition1 PosA	1	-0.050202	0.066895	-0.75
Condition1 PosN	1	-0.019804	0.058452	-0.34
Condition1 RRAe	1	-0.166835	0.063791	-2.62
Condition1 RRAn	1	-0.059112	0.055279	-1.07
Condition1 RRNe	1	-0.114023	0.089284	-1.28
Condition1 RRNn	0	0	.	.
Condition2 Artery	1	-0.046516	0.122561	-0.38
Condition2 Feedr	1	-0.043669	0.099557	-0.44
Condition2 Norm	1	0.025580	0.081358	0.31
Condition2 PosA	1	0.202924	0.180625	1.12
Condition2 PosN	1	-0.747472	0.115377	-6.48
Condition2 RRAe	1	-0.275127	0.306653	-0.90
Condition2 RRAn	1	-0.029576	0.127783	-0.23
Condition2 RRNn	0	0	.	.
BldgType 1Fam	1	-0.024807	0.040050	-0.62
BldgType 2fmCon	1	0.018868	0.037883	0.50
BldgType Duplex	1	-0.060158	0.043740	-1.38
BldgType Twnhhs	1	-0.036377	0.028616	-1.27
BldgType TwnhhsE	0	0	.	.
HouseStyle 1.5Fin	1	-0.044529	0.025051	-1.78
HouseStyle 1.5Unf	1	-0.012658	0.043893	-0.29
HouseStyle 1Story	1	-0.032193	0.026437	-1.22
HouseStyle 2.5Fin	1	-0.123940	0.069213	-1.79
HouseStyle 2.5Unf	1	-0.000457	0.048708	-0.01
HouseStyle 2Story	1	-0.056352	0.023797	-2.37
HouseStyle SFoyer	1	0.006376	0.024522	0.26
HouseStyle SLvl	0	0	.	.
OverallQual	1	0.037252	0.004564	8.16
OverallCond	1	0.040443	0.003899	10.37
YearBuilt	1	0.001488	0.000376	3.96

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
YearRemodAdd	1	0.000378	0.000253	1.49
RoofStyle Flat	1	-0.389039	0.145639	-2.67
RoofStyle Gable	1	-0.452615	0.128238	-3.53
RoofStyle Gambrel	1	-0.476599	0.132974	-3.58
RoofStyle Hip	1	-0.455473	0.128326	-3.55
RoofStyle Mansard	1	-0.389940	0.127561	-3.06
RoofStyle Shed	0	0	.	.
RoofMatl ClyTile	1	-2.239601	0.265266	-8.44
RoofMatl CompShg	1	-0.072968	0.049594	-1.47
RoofMatl Membran	1	0.319782	0.149075	2.15
RoofMatl Metal	1	0.213524	0.142672	1.50
RoofMatl Roll	1	0.112355	0.127532	0.88
RoofMatl Tar&Grv	1	-0.072165	0.090416	-0.80
RoofMatl WdShake	1	-0.103306	0.080891	-1.28
RoofMatl WdShngl	0	0	.	.
Exterior1st AsbShng	1	-0.012718	0.062662	-0.20
Exterior1st BrkComm	1	-0.263837	0.119212	-2.21
Exterior1st BrkFace	1	0.061166	0.035898	1.70
Exterior1st CBlock	1	-0.093520	0.107887	-0.87
Exterior1st CemntBd	1	-0.095122	0.070707	-1.35
Exterior1st HdBoard	1	-0.015827	0.033269	-0.48
Exterior1st ImStucc	1	-0.037556	0.122025	-0.31
Exterior1st MetalSd	1	0.061526	0.049271	1.25
Exterior1st Plywood	1	-0.019515	0.033888	-0.58
Exterior1st Stone	1	0.014202	0.096590	0.15
Exterior1st Stucco	1	0.020119	0.043272	0.46
Exterior1st VinylSd	1	-0.007357	0.042149	-0.17
Exterior1st Wd Sdng	1	-0.040767	0.031709	-1.29
Exterior1st WdShing	0	0	.	.
Exterior2nd AsbShng	1	-0.050597	0.057680	-0.88
Exterior2nd AsphShn	1	0.012151	0.088540	0.14
Exterior2nd Brk Cmn	1	0.004666	0.084279	0.06
Exterior2nd BrkFace	1	-0.034578	0.038561	-0.90
Exterior2nd CBlock	0	0	.	.

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Exterior2nd CmentBd	1	0.138938	0.068726	2.02
Exterior2nd HdBoard	1	-0.005348	0.031383	-0.17
Exterior2nd ImStucc	1	0.004347	0.045659	0.10
Exterior2nd MetalSd	1	-0.049715	0.047569	-1.05
Exterior2nd Other	1	-0.148993	0.112648	-1.32
Exterior2nd Plywood	1	-0.001250	0.030304	-0.04
Exterior2nd Stone	1	0.029092	0.064660	0.45
Exterior2nd Stucco	1	-0.002063	0.040671	-0.05
Exterior2nd VinylSd	1	0.018560	0.038730	0.48
Exterior2nd Wd Sdng	1	0.031026	0.027313	1.14
Exterior2nd Wd Shng	0	0	.	.
MasVnrType BrkCmn	1	-0.074011	0.030955	-2.39
MasVnrType BrkFace	1	-0.008428	0.012825	-0.66
MasVnrType None	1	-0.010055	0.013916	-0.72
MasVnrType Stone	0	0	.	.
MasVnrArea	1	0.000030239	0.000025334	1.19
ExterCond Ex	1	0.025377	0.106369	0.24
ExterCond Fa	1	-0.036150	0.028584	-1.26
ExterCond Gd	1	-0.034790	0.010294	-3.38
ExterCond TA	0	0	.	.
Foundation BrkTil	1	0.050299	0.070675	0.71
Foundation CBlock	1	0.067366	0.069329	0.97
Foundation PConc	1	0.086557	0.068972	1.25
Foundation Slab	1	0.075302	0.082054	0.92
Foundation Stone	1	0.114031	0.085283	1.34
Foundation Wood	0	0	.	.
BsmtQual Ex	1	0.032154	0.018133	1.77
BsmtQual Fa	1	0.006763	0.021429	0.32
BsmtQual Gd	1	0.000390	0.011330	0.03
BsmtQual NA	1	0.130116	0.154722	0.84
BsmtQual TA	0	0	.	.
BsmtExposure Av	1	0.013166	0.009646	1.36
BsmtExposure Gd	1	0.036174	0.013549	2.67
BsmtExposure Mn	1	0.014672	0.011005	1.33

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
BsmtExposure NA	1	-0.025753	0.096634	-0.27
BsmtExposure No	0	0	.	.
BsmtFinType1 ALQ	1	0.009870	0.013035	0.76
BsmtFinType1 BLQ	1	0.015491	0.013937	1.11
BsmtFinType1 GLQ	1	0.029508	0.012080	2.44
BsmtFinType1 LwQ	1	-0.008468	0.016920	-0.50
BsmtFinType1 NA	0	0	.	.
BsmtFinType1 Rec	1	0.007206	0.014259	0.51
BsmtFinType1 Unf	0	0	.	.
BsmtFinSF1	1	0.000155	0.000024479	6.31
BsmtFinType2 ALQ	1	0.013042	0.032142	0.41
BsmtFinType2 BLQ	1	-0.030794	0.022029	-1.40
BsmtFinType2 GLQ	1	0.017969	0.041152	0.44
BsmtFinType2 LwQ	1	-0.020036	0.020047	-1.00
BsmtFinType2 NA	1	-0.087412	0.105546	-0.83
BsmtFinType2 Rec	1	-0.008769	0.020818	-0.42
BsmtFinType2 Unf	0	0	.	.
BsmtFinSF2	1	0.000141	0.000039918	3.53
BsmtUnfSF	1	0.000088902	0.000022783	3.90
Heating Floor	1	-0.212578	0.126755	-1.68
Heating GasA	1	-0.072937	0.063319	-1.15
Heating GasW	1	0.010899	0.068017	0.16
Heating Grav	1	-0.084424	0.094876	-0.89
Heating OthW	1	-0.036310	0.131018	-0.28
Heating Wall	0	0	.	.
HeatingQC Ex	1	0.029015	0.009220	3.15
HeatingQC Fa	1	0.025775	0.020457	1.26
HeatingQC Gd	1	0.007794	0.009724	0.80
HeatingQC Po	1	-0.014644	0.114439	-0.13
HeatingQC TA	0	0	.	.
CentralAir N	1	-0.081111	0.018981	-4.27
CentralAir Y	0	0	.	.
_1stFlrSF	1	0.000006619	0.000043081	0.15
_2ndFlrSF	1	0.000057589	0.000035354	1.63

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
LowQualFinSF	1	-0.000074991	0.000109	-0.69
BsmtFullBath	1	0.014950	0.008863	1.69
BsmtHalfBath	1	0.014815	0.013418	1.10
FullBath	1	0.013476	0.010042	1.34
HalfBath	1	0.013468	0.009464	1.42
BedroomAbvGr	1	-0.001655	0.006336	-0.26
KitchenAbvGr	1	-0.059061	0.030901	-1.91
KitchenQual Ex	1	0.069165	0.017061	4.05
KitchenQual Fa	1	0.005450	0.024132	0.23
KitchenQual Gd	1	0.001622	0.009079	0.18
KitchenQual TA	0	0	.	.
TotRmsAbvGrd	1	0.007602	0.004273	1.78
Functional Maj1	1	-0.061833	0.036702	-1.68
Functional Maj2	1	-0.224888	0.059449	-3.78
Functional Min1	1	-0.045343	0.020768	-2.18
Functional Min2	1	-0.040426	0.020770	-1.95
Functional Mod	1	-0.097513	0.033731	-2.89
Functional Sev	1	-0.314016	0.123582	-2.54
Functional Typ	0	0	.	.
Fireplaces	1	0.025482	0.011348	2.25
FireplaceQu Ex	1	-0.033199	0.024915	-1.33
FireplaceQu Fa	1	-0.017116	0.019881	-0.86
FireplaceQu Gd	1	0.000476	0.009765	0.05
FireplaceQu NA	1	0.005587	0.015905	0.35
FireplaceQu Po	1	-0.006000	0.026999	-0.22
FireplaceQu TA	0	0	.	.
GarageType 2Types	1	-0.084711	0.048561	-1.74
GarageType Attchd	1	0.002355	0.010321	0.23
GarageType Basment	1	0.033824	0.030260	1.12
GarageType BuiltIn	1	-0.000968	0.017838	-0.05
GarageType CarPort	1	0.022276	0.042204	0.53
GarageType Detchd	0	0	.	.
GarageYrBlt	1	0.000064217	0.000276	0.23
GarageFinish Fin	1	0.006004	0.010437	0.58

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
GarageFinish RFn	1	0.005176	0.009332	0.55
GarageFinish Unf	0	0	.	.
GarageCars	1	0.024170	0.010038	2.41
GarageArea	1	0.000104	0.000034532	3.00
GarageQual Ex	1	0.440333	0.132915	3.31
GarageQual Fa	1	-0.055123	0.021589	-2.55
GarageQual Gd	1	0.045925	0.033109	1.39
GarageQual Po	1	-0.136244	0.088024	-1.55
GarageQual TA	0	0	.	.
GarageCond Ex	1	-0.394408	0.151629	-2.60
GarageCond Fa	1	-0.023088	0.023767	-0.97
GarageCond Gd	1	-0.002488	0.039191	-0.06
GarageCond Po	1	0.092257	0.062121	1.49
GarageCond TA	0	0	.	.
PavedDrive N	1	-0.005222	0.017001	-0.31
PavedDrive P	1	-0.030398	0.022217	-1.37
PavedDrive Y	0	0	.	.
WoodDeckSF	1	0.000090323	0.000025917	3.49
OpenPorchSF	1	0.000072325	0.000053784	1.34
EnclosedPorch	1	0.000088614	0.000057064	1.55
_3SsnPorch	1	0.000111	0.000099782	1.11
ScreenPorch	1	0.000239	0.000054329	4.41
PoolArea	1	0.000814	0.001005	0.81
PoolQC Ex	1	-0.347179	0.546773	-0.63
PoolQC Fa	1	-0.433595	0.661970	-0.66
PoolQC Gd	1	-0.293549	0.652185	-0.45
PoolQC NA	0	0	.	.
Fence GdPrv	1	-0.010823	0.016000	-0.68
Fence GdWo	1	-0.019440	0.015679	-1.24
Fence MnPrv	1	0.007011	0.010129	0.69
Fence MnWw	1	-0.030825	0.032231	-0.96
Fence NA	0	0	.	.
MiscFeature Gar2	1	-0.316018	0.481622	-0.66
MiscFeature NA	1	0.170120	0.208971	0.81

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
MiscFeature Othr	1	0.213243	0.231356	0.92
MiscFeature Shed	1	0.131167	0.204080	0.64
MiscFeature TenC	0	0	.	.
MiscVal	1	0.000035114	0.000031898	1.10
MoSold	1	-0.000777	0.001089	-0.71
YrSold	1	-0.001732	0.002296	-0.75
SaleType COD	1	0.016975	0.017937	0.95
SaleType CWD	1	0.104876	0.051334	2.04
SaleType Con	1	0.091369	0.076666	1.19
SaleType ConLD	1	0.158324	0.043598	3.63
SaleType ConLI	1	-0.046152	0.055555	-0.83
SaleType ConLw	1	-0.016934	0.052875	-0.32
SaleType New	1	0.077949	0.064605	1.21
SaleType Oth	1	0.211076	0.105834	1.99
SaleType WD	0	0	.	.
SaleCondition Abnorml	1	-0.017824	0.064628	-0.28
SaleCondition AdjLand	1	0.228712	0.120934	1.89
SaleCondition Alloca	1	-0.014499	0.076256	-0.19
SaleCondition Family	1	-0.011090	0.067943	-0.16
SaleCondition Normal	1	0.035064	0.063866	0.55
SaleCondition Partial	0	0	.	.
LogLiving	1	0.334777	0.057545	5.82

The GLMSELECT Procedure

Data Set	WORK.TRAIN
Test Data Set	WORK.TEST_LOG
Dependent Variable	LogSalePrice
Selection Method	Stepwise
Select Criterion	Adj R-Sq
Stop Criterion	Cross Validation
Cross Validation Method	Random
Cross Validation Fold	5
Effect Hierarchy Enforced	None
Random Number Seed	389744590

Observation Profile for Analysis Data	
Number of Observations Read	1460
Number of Observations Used	1371
Number of Observations Used for Training	1371

Observation Profile for Test Data	
Number of Observations Read	1459
Number of Observations Used	0

Class Level Information		
Class	Levels	Values
Alley	3	Gr NA Pa
BldgType	5	1Fam 2fmCon Duplex Twnhs TwnhsE
BsmtCond	5	Fa Gd NA Po TA
BsmtExposure	5	Av Gd Mn NA No
BsmtFinType1	7	ALQ BLQ GLQ LwQ NA Rec Unf
BsmtFinType2	7	ALQ BLQ GLQ LwQ NA Rec Unf
BsmtQual	5	Ex Fa Gd NA TA
CentralAir	2	N Y
Condition1	9	Artery Feedr Norm PosA PosN RRAe RRAn RRNe RRNn
Condition2	8	Artery Feedr Norm PosA PosN RRAe RRAn RRNn
Electrical	6	FuseA FuseF FuseP Mix NA SBrkr
ExterCond	4	Ex Fa Gd TA
ExterQual	4	Ex Fa Gd TA
Exterior1st	14	AsbShng BrkComm BrkFace CBlock CemntBd HdBoard ImStucc MetalSd Plywood Stone Stucco VinylSd Wd Sdng WdShng
Exterior2nd	16	AsbShng AsphShn Brk Cmn BrkFace CBlock CmentBd HdBoard ImStucc MetalSd Other Plywood Stone Stucco VinylSd Wd Sdng Wd Shng

The GLMSELECT Procedure

Class Level Information		
Class	Levels	Values
Fence	5	GdPrv GdWo MnPrv MnWw NA
FireplaceQu	6	Ex Fa Gd NA Po TA
Foundation	6	BrkTil CBlock PConc Slab Stone Wood
Functional	7	Maj1 Maj2 Min1 Min2 Mod Sev Typ
GarageCond	5	Ex Fa Gd Po TA
GarageFinish	3	Fin RFn Unf
GarageQual	5	Ex Fa Gd Po TA
GarageType	6	2Types Attchd Basment BuiltIn CarPort Detchd
Heating	6	Floor GasA GasW Grav OthW Wall
HeatingQC	5	Ex Fa Gd Po TA
HouseStyle	8	1.5Fin 1.5Unf 1Story 2.5Fin 2.5Unf 2Story SFoyer SLvl
KitchenQual	4	Ex Fa Gd TA
LandContour	4	Bnk HLS Low Lvl
LandSlope	3	Gtl Mod Sev
LotConfig	5	Corner CulDSac FR2 FR3 Inside
LotFrontage	81	10 11 12 13 14 15 16 17 18 21 24 30 31 32 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 NA
LotShape	4	IR1 IR2 IR3 Reg
MSZoning	5	C (a FV RH RL RM
MasVnrType	4	BrkCmn BrkFace None Stone
MiscFeature	5	Gar2 NA Othr Shed TenC
Neighborhood	25	Blmngtn Blueste BrDale BrkSide ClearCr CollgCr Crawfor Edwards Gilbert IDOTRR MeadowV Mitchel NAmes NPKvill NWAmes NoRidge NridgHt OldTown SWISU Sawyer SawyerW Somerst StoneBr Timber Veenker
PavedDrive	3	N P Y
PoolQC	4	Ex Fa Gd NA
RoofMatl	8	ClyTile CompShg Membran Metal Roll Tar&Grv WdShake WdShngl
RoofStyle	6	Flat Gable Gambrel Hip Mansard Shed
SaleCondition	6	Abnorml AdjLand Alloca Family Normal Partial
SaleType	9	COD CWD Con ConLD ConLI ConLw New Oth WD
Street	2	GrV Pave
Utilities	2	AllPub NoSeWa

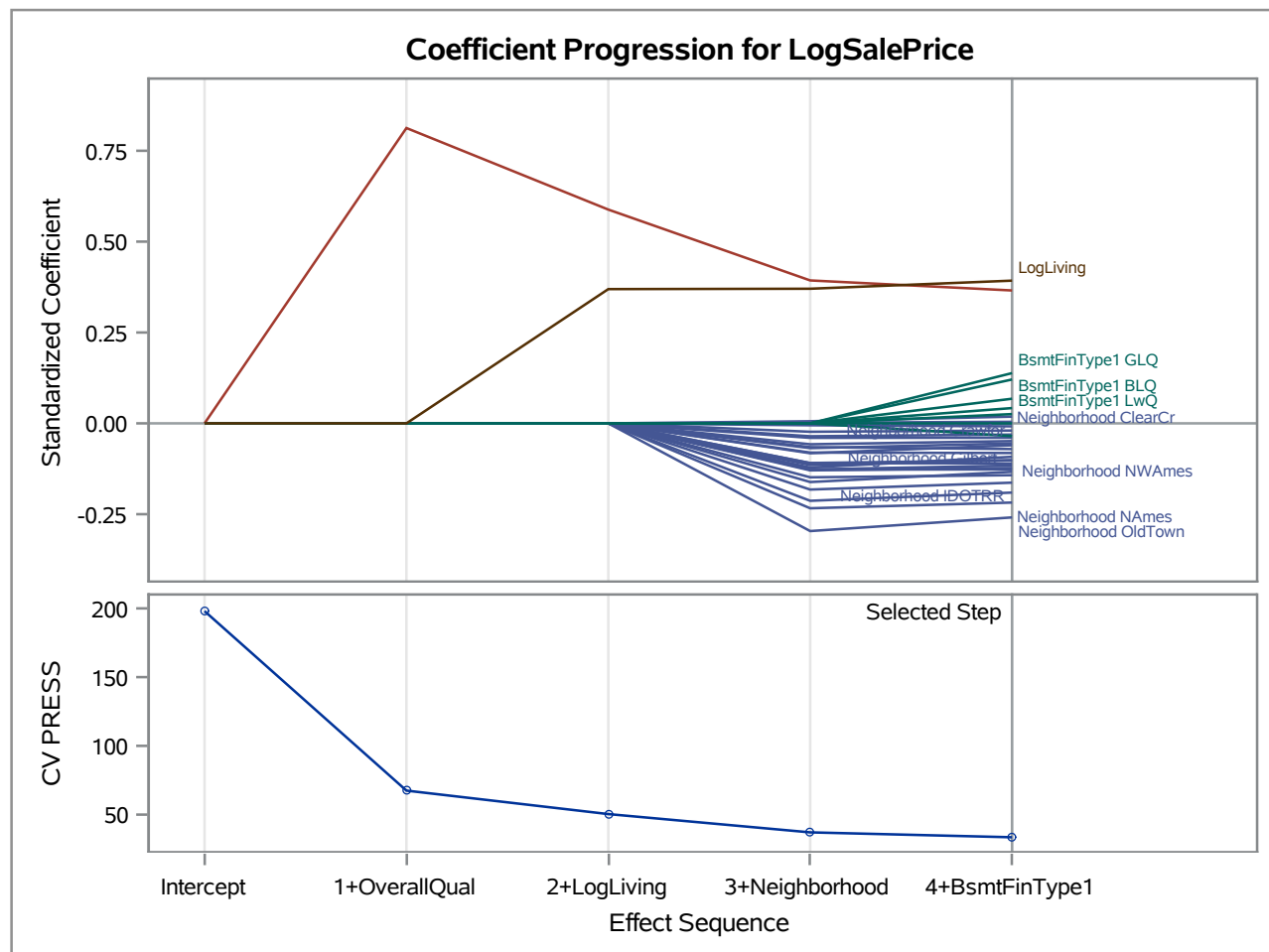
Dimensions	
Number of Effects	81
Number of Parameters	379

The GLMSELECT Procedure

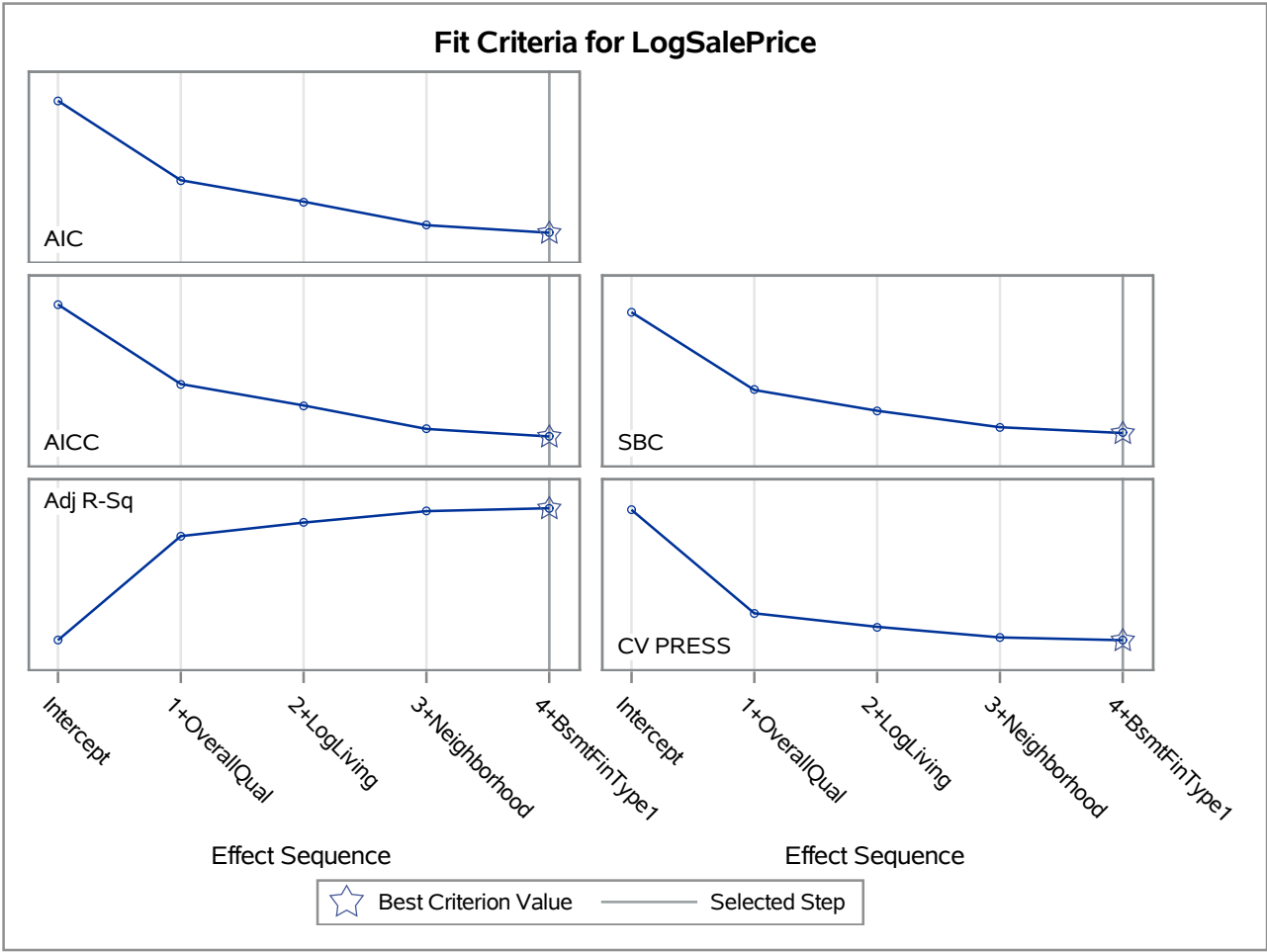
Stepwise Selection Summary							
Step	Effect Entered	Effect Removed	Number Effects In	NumberParms In	Adjusted R-Square	ASE	CV PRESS
0	Intercept		1	1	0.0000	0.1444	198.0080
1	OverallQual		2	2	0.6601	0.0490	67.4622
2	LogLiving		3	3	0.7460	0.0366	50.3832
3	Neighborhood		4	27	0.8185	0.0257	37.0682
4	BsmtFinType1		5	33	0.8370*	0.0230	33.5197*
* Optimal Value of Criterion							

Selection stopped at a local minimum of the cross validation PRESS.

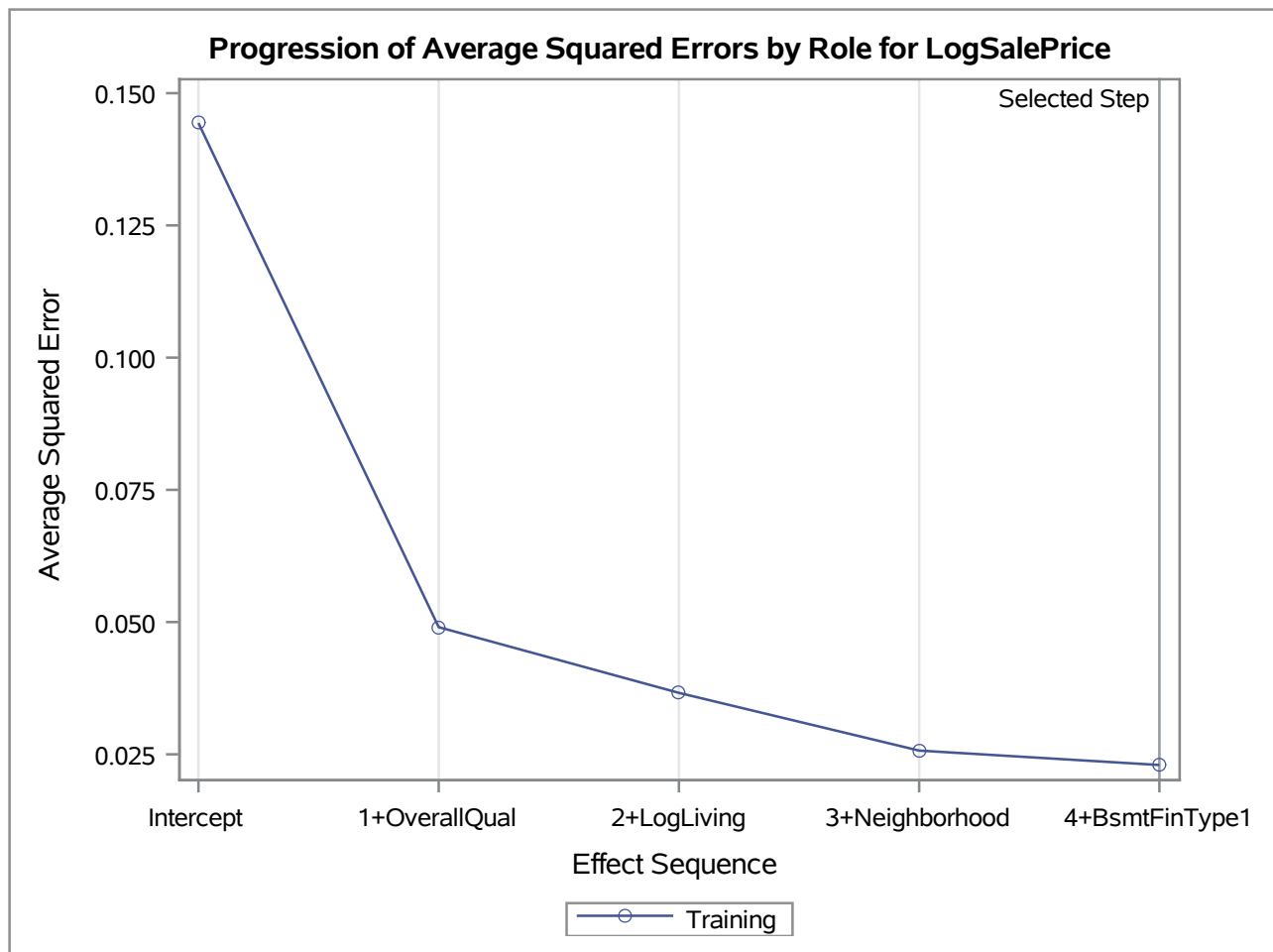
Stop Details			
Candidate For	Effect	Candidate CV PRESS	Compare CV PRESS
Entry	LotFrontage	35.4919	> 33.5197
Removal	BsmtFinType1	37.0682	> 33.5197



The GLMSELECT Procedure



The GLMSELECT Procedure



The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 4).

Effects:	Intercept Neighborhood OverallQual BsmtFinType1 LogLiving
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	32	166.41511	5.20047	220.86
Error	1338	31.50522	0.02355	
Corrected Total	1370	197.92032		

Root MSE	0.15345
Dependent Mean	12.05374
R-Square	0.8408
Adj R-Sq	0.8370
AIC	-3733.97842
AICC	-3732.19698
SBC	-4934.60966
ASE (Train)	0.02298
CV PRESS	33.51970

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	10.299776	0.064584	159.48
Neighborhood Blmngtn	1	-0.167477	0.059781	-2.80
Neighborhood Blueste	1	-0.393421	0.118184	-3.33
Neighborhood BrDale	1	-0.521026	0.061280	-8.50
Neighborhood BrkSide	1	-0.275486	0.052054	-5.29
Neighborhood ClearCr	1	-0.054117	0.055311	-0.98
Neighborhood CollgCr	1	-0.124410	0.048343	-2.57
Neighborhood Crawfor	1	-0.112379	0.051473	-2.18
Neighborhood Edwards	1	-0.312443	0.050098	-6.24
Neighborhood Gilbert	1	-0.150920	0.049939	-3.02
Neighborhood IDOTRR	1	-0.430830	0.055413	-7.77
Neighborhood MeadowV	1	-0.450159	0.064994	-6.93
Neighborhood Mitchel	1	-0.176073	0.052113	-3.38
Neighborhood NAmes	1	-0.226014	0.048017	-4.71
Neighborhood NPKvill	1	-0.332628	0.069351	-4.80

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Neighborhood NWAmes	1	-0.214491	0.049860	-4.30
Neighborhood NoRidge	1	-0.018353	0.053098	-0.35
Neighborhood NridgHt	1	0.030622	0.050276	0.61
Neighborhood OldTown	1	-0.376363	0.049512	-7.60
Neighborhood SWISU	1	-0.368107	0.058230	-6.32
Neighborhood Sawyer	1	-0.210800	0.050459	-4.18
Neighborhood SawyerW	1	-0.193573	0.050856	-3.81
Neighborhood Somerst	1	-0.096258	0.049721	-1.94
Neighborhood StoneBr	1	0.011962	0.056162	0.21
Neighborhood Timber	1	-0.071450	0.052735	-1.35
Neighborhood Veenker	0	0	.	.
OverallQual	1	0.103396	0.005353	19.31
BsmtFinType1 ALQ	1	0.127562	0.014584	8.75
BsmtFinType1 BLQ	1	0.084710	0.016428	5.16
BsmtFinType1 GLQ	1	0.115267	0.011952	9.64
BsmtFinType1 LwQ	1	0.044263	0.020724	2.14
BsmtFinType1 NA	1	-0.091237	0.030762	-2.97
BsmtFinType1 Rec	1	0.055506	0.017024	3.26
BsmtFinType1 Unf	0	0	.	.
LogLiving	1	0.462127	0.017529	26.36

The GLM Procedure

Class Level Information		
Class	Levels	Values
Neighborhood	25	Blmngtn Blueste BrDale BrkSide ClearCr CollgCr Crawfor Edwards Gilbert IDOTRR MeadowV Mitchel NAmes NPKvill NWAmes NoRidge NridgHt OldTown SWISU Sawyer SawyerW Somerst StoneBr Timber Veenker
MSZoning	5	C (a FV RH RL RM
HouseStyle	8	1.5Fin 1.5Unf 1Story 2.5Fin 2.5Unf 2Story SFoyer SLvl
CentralAir	2	N Y
GarageFinish	4	Fin NA RFn Unf
SaleCondition	6	Abnorml AdjLand Alloca Family Normal Partial
BsmtQual	5	Ex Fa Gd NA TA
ExterQual	4	Ex Fa Gd TA
KitchenQual	4	Ex Fa Gd TA
LotFrontage	82	10 11 12 13 14 15 16 17 18 21 24 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 NA
BsmtFinType1	7	ALQ BLQ GLQ LwQ NA Rec Unf

Number of Observations Read	1460
Number of Observations Used	1460

The GLM Procedure

Dependent Variable: LogSalePrice

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	179	212.9681220	1.1897660	76.79	<.0001
Error	1280	19.8325370	0.0154942		
Corrected Total	1459	232.8006590			

R-Square	Coeff Var	Root MSE	LogSalePrice Mean
0.914809	1.035222	0.124476	12.02405

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LogLiving	1	124.1461074	124.1461074	8012.44	<.0001
Neighborhood	24	54.9638197	2.2901592	147.81	<.0001
MSZoning	4	2.2319221	0.5579805	36.01	<.0001
HouseStyle	7	4.7794910	0.6827844	44.07	<.0001
GarageArea	1	3.7848638	3.7848638	244.28	<.0001
GarageCars	1	0.5052837	0.5052837	32.61	<.0001
OverallQual	1	8.7566370	8.7566370	565.16	<.0001
TotalBsmtSF	1	0.7374537	0.7374537	47.60	<.0001
CentralAir	1	1.6419946	1.6419946	105.97	<.0001
GarageFinish	3	0.7465125	0.2488375	16.06	<.0001
ExterQual	3	0.3514356	0.1171452	7.56	<.0001
_1stFlrSF	1	0.4442622	0.4442622	28.67	<.0001
FullBath	1	0.0015261	0.0015261	0.10	0.7537
YearBuilt	1	0.1714621	0.1714621	11.07	0.0009
YearRemodAdd	1	1.2228707	1.2228707	78.92	<.0001
SaleCondition	5	0.7945063	0.1589013	10.26	<.0001
KitchenQual	3	0.6731951	0.2243984	14.48	<.0001
BsmtQual	4	0.4527875	0.1131969	7.31	<.0001
BsmtFinType1	5	1.8645457	0.3729091	24.07	<.0001
TotalBsmt*BsmtFinTyp	5	0.2894162	0.0578832	3.74	0.0023
TotRmsAbvGrd	1	0.0034624	0.0034624	0.22	0.6365
LotFrontage	81	2.4811075	0.0306310	1.98	<.0001
LogLiving*Neighborho	24	1.9234591	0.0801441	5.17	<.0001

The GLM Procedure

Dependent Variable: LogSalePrice

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LogLiving	1	2.05688406	2.05688406	132.75	<.0001
Neighborhood	24	1.61567106	0.06731963	4.34	<.0001
MSZoning	4	0.71411092	0.17852773	11.52	<.0001
HouseStyle	7	0.33186294	0.04740899	3.06	0.0034
GarageArea	1	0.02291531	0.02291531	1.48	0.2242
GarageCars	1	0.15908640	0.15908640	10.27	0.0014
OverallQual	1	2.31489420	2.31489420	149.40	<.0001
TotalBsmtSF	1	0.21386490	0.21386490	13.80	0.0002
CentralAir	1	0.59777274	0.59777274	38.58	<.0001
GarageFinish	3	0.16860767	0.05620256	3.63	0.0126
ExterQual	3	0.00271179	0.00090393	0.06	0.9815
_1stFlrSF	1	0.09183245	0.09183245	5.93	0.0150
FullBath	1	0.01603165	0.01603165	1.03	0.3093
YearBuilt	1	0.03928835	0.03928835	2.54	0.1115
YearRemodAdd	1	0.58196387	0.58196387	37.56	<.0001
SaleCondition	5	0.78392725	0.15678545	10.12	<.0001
KitchenQual	3	0.34524323	0.11508108	7.43	<.0001
BsmtQual	3	0.12390982	0.04130327	2.67	0.0465
BsmtFinType1	5	0.42123093	0.08424619	5.44	<.0001
TotalBsmt*BsmtFinTyp	5	0.09938768	0.01987754	1.28	0.2687
TotRmsAbvGrd	1	0.01046788	0.01046788	0.68	0.4113
LotFrontage	81	1.92028379	0.02370721	1.53	0.0022
LogLiving*Neighborho	24	1.92345912	0.08014413	5.17	<.0001

The GLM Procedure

Dependent Variable: LogSalePrice

Parameter		Estimate		Standard Error	t Value	Pr > t
Intercept		4.489087079	B	0.99503601	4.51	<.0001
LogLiving		1.116837513	B	0.21963816	5.08	<.0001
Neighborhood	Blmngtn	0.379583616	B	1.04971448	0.36	0.7177
Neighborhood	Blueste	-0.101281339	B	2.07100138	-0.05	0.9610
Neighborhood	BrDale	0.216597082	B	0.90450404	0.24	0.8108
Neighborhood	BrkSide	1.370316046	B	0.60361478	2.27	0.0234
Neighborhood	ClearCr	1.545078450	B	0.65148964	2.37	0.0179
Neighborhood	CollgCr	1.503444642	B	0.59562274	2.52	0.0117
Neighborhood	Crawfor	1.507004210	B	0.61535421	2.45	0.0145
Neighborhood	Edwards	2.048677412	B	0.59879106	3.42	0.0006
Neighborhood	Gilbert	1.151606083	B	0.63270841	1.82	0.0690
Neighborhood	IDOTRR	1.077571862	B	0.62177740	1.73	0.0833
Neighborhood	MeadowV	1.910013382	B	0.64551866	2.96	0.0031
Neighborhood	Mitchel	1.664081090	B	0.61262947	2.72	0.0067
Neighborhood	NAmes	1.741661215	B	0.59450970	2.93	0.0035
Neighborhood	NPkVill	0.794378817	B	0.86648500	0.92	0.3594
Neighborhood	NWAmes	1.200971855	B	0.61593997	1.95	0.0514
Neighborhood	NoRidge	0.650219392	B	0.67653454	0.96	0.3367
Neighborhood	NridgHt	0.756333880	B	0.63246071	1.20	0.2320
Neighborhood	OldTown	1.300738734	B	0.59721841	2.18	0.0296
Neighborhood	SWISU	1.481927788	B	0.62098643	2.39	0.0172
Neighborhood	Sawyer	1.731795516	B	0.60779996	2.85	0.0045
Neighborhood	SawyerW	1.141885928	B	0.60583882	1.88	0.0597
Neighborhood	Somerst	0.928924089	B	0.63690654	1.46	0.1449
Neighborhood	StoneBr	0.803310946	B	0.65978151	1.22	0.2236
Neighborhood	Timber	0.872583019	B	0.65766804	1.33	0.1848
Neighborhood	Veenker	0.000000000	B	.	.	.
MSZoning	C (a	-0.289328862	B	0.04829497	-5.99	<.0001
MSZoning	FV	0.091938017	B	0.03951500	2.33	0.0201
MSZoning	RH	0.038485631	B	0.04188555	0.92	0.3584
MSZoning	RL	0.054089046	B	0.01934125	2.80	0.0052
MSZoning	RM	0.000000000	B	.	.	.
HouseStyle	1.5Fin	-0.074474182	B	0.02466759	-3.02	0.0026
HouseStyle	1.5Unf	0.011260652	B	0.04125113	0.27	0.7849
HouseStyle	1Story	-0.009302758	B	0.01904204	-0.49	0.6253

The GLM Procedure

Dependent Variable: LogSalePrice

Parameter		Estimate		Standard Error	t Value	Pr > t
HouseStyle	2.5Fin	-0.083285449	B	0.06104943	-1.36	0.1727
HouseStyle	2.5Unf	-0.061318194	B	0.04928156	-1.24	0.2136
HouseStyle	2Story	-0.107034100	B	0.02588997	-4.13	<.0001
HouseStyle	SFoyer	0.000692938	B	0.02986527	0.02	0.9815
HouseStyle	SLvl	0.000000000	B	.	.	.
GarageArea		0.000047491		0.00003905	1.22	0.2242
GarageCars		0.038440199		0.01199646	3.20	0.0014
OverallQual		0.062675907		0.00512766	12.22	<.0001
TotalBsmtSF		0.000105277	B	0.00002703	3.89	0.0001
CentralAir	N	-0.108142602	B	0.01741057	-6.21	<.0001
CentralAir	Y	0.000000000	B	.	.	.
GarageFinish	Fin	0.030092114	B	0.01212261	2.48	0.0132
GarageFinish	NA	-0.036213891	B	0.02138046	-1.69	0.0905
GarageFinish	RFn	0.023860091	B	0.01062720	2.25	0.0249
GarageFinish	Unf	0.000000000	B	.	.	.
ExterQual	Ex	0.000611534	B	0.02799196	0.02	0.9826
ExterQual	Fa	-0.009491116	B	0.03963015	-0.24	0.8108
ExterQual	Gd	-0.003925747	B	0.01293529	-0.30	0.7616
ExterQual	TA	0.000000000	B	.	.	.
_1stFlrSF		-0.000085637		0.00003518	-2.43	0.0150
FullBath		0.010341202		0.01016637	1.02	0.3093
YearBuilt		0.000531253		0.00033362	1.59	0.1115
YearRemodAdd		0.001567165		0.00025571	6.13	<.0001
SaleCondition	Abnorml	-0.128752392	B	0.02043627	-6.30	<.0001
SaleCondition	AdjLand	-0.032523293	B	0.06894584	-0.47	0.6372
SaleCondition	Alloca	-0.061196511	B	0.04333622	-1.41	0.1582
SaleCondition	Family	-0.106211522	B	0.03384199	-3.14	0.0017
SaleCondition	Normal	-0.041653369	B	0.01527282	-2.73	0.0065
SaleCondition	Partial	0.000000000	B	.	.	.
KitchenQual	Ex	0.097465334	B	0.02115994	4.61	<.0001
KitchenQual	Fa	-0.016767701	B	0.02437562	-0.69	0.4916
KitchenQual	Gd	0.030636897	B	0.01119614	2.74	0.0063
KitchenQual	TA	0.000000000	B	.	.	.
BsmtQual	Ex	0.060187449	B	0.02182100	2.76	0.0059
BsmtQual	Fa	-0.010388859	B	0.02410100	-0.43	0.6665

The GLM Procedure

Dependent Variable: LogSalePrice

Parameter		Estimate		Standard Error	t Value	Pr > t
BsmtQual	Gd	0.014869300	B	0.01295446	1.15	0.2513
BsmtQual	NA	-0.001121118	B	0.03628804	-0.03	0.9754
BsmtQual	TA	0.000000000	B	.	.	.
BsmtFinType1	ALQ	0.114981912	B	0.03555465	3.23	0.0013
BsmtFinType1	BLQ	0.048636916	B	0.04768448	1.02	0.3079
BsmtFinType1	GLQ	0.137759387	B	0.02882693	4.78	<.0001
BsmtFinType1	LwQ	0.046313467	B	0.05432017	0.85	0.3940
BsmtFinType1	NA	0.000000000	B	.	.	.
BsmtFinType1	Rec	0.121536168	B	0.04793167	2.54	0.0113
BsmtFinType1	Unf	0.000000000	B	.	.	.
TotalBsmt*BsmtFinTyp ALQ		-0.000008106	B	0.00003276	-0.25	0.8046
TotalBsmt*BsmtFinTyp BLQ		0.000025571	B	0.00004594	0.56	0.5779
TotalBsmt*BsmtFinTyp GLQ		-0.000047724	B	0.00002393	-1.99	0.0463
TotalBsmt*BsmtFinTyp LwQ		-0.000020737	B	0.00005093	-0.41	0.6840
TotalBsmt*BsmtFinTyp NA		0.000000000	B	.	.	.
TotalBsmt*BsmtFinTyp Rec		-0.000059195	B	0.00004571	-1.29	0.1956
TotalBsmt*BsmtFinTyp Unf		0.000000000	B	.	.	.
TotRmsAbvGrd		-0.003486176		0.00424135	-0.82	0.4113
LotFrontage	10	0.022818042	B	0.02164290	1.05	0.2919
LotFrontage	11	0.041907207	B	0.03418560	1.23	0.2205
LotFrontage	12	-0.031830937	B	0.03349160	-0.95	0.3421
LotFrontage	13	-0.117805850	B	0.05088540	-2.32	0.0208
LotFrontage	14	0.199753718	B	0.06603146	3.03	0.0025
LotFrontage	15	-0.042504604	B	0.07578557	-0.56	0.5750
LotFrontage	16	0.168038654	B	0.09655832	1.74	0.0820
LotFrontage	17	0.025862396	B	0.09250149	0.28	0.7798
LotFrontage	18	0.191100242	B	0.12999096	1.47	0.1418
LotFrontage	21	-0.082124354	B	0.06874222	-1.19	0.2324
LotFrontage	24	-0.134608330	B	0.04388403	-3.07	0.0022
LotFrontage	30	-0.050445699	B	0.05687954	-0.89	0.3753
LotFrontage	31	-0.361173308	B	0.10191068	-3.54	0.0004
LotFrontage	32	-0.060401664	B	0.06109881	-0.99	0.3231
LotFrontage	33	0.017732571	B	0.12865501	0.14	0.8904
LotFrontage	34	-0.018722387	B	0.04374699	-0.43	0.6687
LotFrontage	35	-0.036046296	B	0.04686014	-0.77	0.4419

The GLM Procedure

Dependent Variable: LogSalePrice

Parameter		Estimate		Standard Error	t Value	Pr > t
LotFrontage	36	-0.156667934	B	0.05434104	-2.88	0.0040
LotFrontage	37	-0.040331659	B	0.05856552	-0.69	0.4912
LotFrontage	38	0.039211411	B	0.13807974	0.28	0.7765
LotFrontage	39	-0.104765300	B	0.12885345	-0.81	0.4163
LotFrontage	40	-0.041047946	B	0.03935562	-1.04	0.2971
LotFrontage	41	-0.075368267	B	0.05793430	-1.30	0.1935
LotFrontage	42	0.141428632	B	0.06921277	2.04	0.0412
LotFrontage	43	-0.033794234	B	0.04822791	-0.70	0.4836
LotFrontage	44	-0.013785769	B	0.04533457	-0.30	0.7611
LotFrontage	45	-0.199239927	B	0.07603353	-2.62	0.0089
LotFrontage	46	0.092911888	B	0.12746553	0.73	0.4662
LotFrontage	47	0.017696018	B	0.05908335	0.30	0.7646
LotFrontage	48	0.047152357	B	0.05364220	0.88	0.3796
LotFrontage	49	0.139127453	B	0.06619094	2.10	0.0358
LotFrontage	50	-0.050874991	B	0.02133107	-2.39	0.0172
LotFrontage	51	-0.075485577	B	0.03684457	-2.05	0.0407
LotFrontage	52	-0.055447911	B	0.03740566	-1.48	0.1385
LotFrontage	53	-0.067249528	B	0.04862875	-1.38	0.1669
LotFrontage	54	0.049696123	B	0.05456681	0.91	0.3626
LotFrontage	55	-0.004867035	B	0.03412481	-0.14	0.8866
LotFrontage	56	-0.082182220	B	0.05894125	-1.39	0.1635
LotFrontage	57	0.018420547	B	0.03777930	0.49	0.6259
LotFrontage	58	-0.101259885	B	0.05059833	-2.00	0.0456
LotFrontage	59	0.005728145	B	0.03646867	0.16	0.8752
LotFrontage	60	-0.022659302	B	0.01510584	-1.50	0.1339
LotFrontage	61	0.007673838	B	0.04585031	0.17	0.8671
LotFrontage	62	0.023574006	B	0.04343629	0.54	0.5874
LotFrontage	63	-0.049747836	B	0.03248535	-1.53	0.1259
LotFrontage	64	-0.007970796	B	0.03241738	-0.25	0.8058
LotFrontage	65	-0.036513226	B	0.02125586	-1.72	0.0861
LotFrontage	66	0.025593714	B	0.03481353	0.74	0.4624
LotFrontage	67	-0.066723061	B	0.03895486	-1.71	0.0870
LotFrontage	68	-0.067237392	B	0.03093749	-2.17	0.0299
LotFrontage	69	0.018511393	B	0.03954614	0.47	0.6398
LotFrontage	70	-0.007172550	B	0.01771204	-0.40	0.6856

The GLM Procedure

Dependent Variable: LogSalePrice

Parameter		Estimate		Standard Error	t Value	Pr > t
LotFrontage	71	0.006876113	B	0.03774064	0.18	0.8555
LotFrontage	72	-0.000149399	B	0.03197842	-0.00	0.9963
LotFrontage	73	-0.037359004	B	0.03182907	-1.17	0.2407
LotFrontage	74	-0.019138277	B	0.03421291	-0.56	0.5760
LotFrontage	75	0.006583621	B	0.02001160	0.33	0.7422
LotFrontage	76	-0.018439832	B	0.03955198	-0.47	0.6411
LotFrontage	77	0.019710857	B	0.04389627	0.45	0.6535
LotFrontage	78	0.012061253	B	0.02757379	0.44	0.6619
LotFrontage	79	-0.002621466	B	0.03220225	-0.08	0.9351
LotFrontage	80	-0.011336628	B	0.01774630	-0.64	0.5231
LotFrontage	81	-0.018577463	B	0.05319808	-0.35	0.7270
LotFrontage	82	-0.051891752	B	0.03869203	-1.34	0.1801
LotFrontage	83	-0.027036865	B	0.05809119	-0.47	0.6417
LotFrontage	84	0.010317926	B	0.04402677	0.23	0.8147
LotFrontage	85	-0.057613447	B	0.02257818	-2.55	0.0108
LotFrontage	86	0.027564208	B	0.04215540	0.65	0.5133
LotFrontage	87	-0.001364829	B	0.05892658	-0.02	0.9815
LotFrontage	88	0.003352414	B	0.04181007	0.08	0.9361
LotFrontage	89	-0.016749761	B	0.05494400	-0.30	0.7605
LotFrontage	90	-0.030667798	B	0.02836120	-1.08	0.2798
LotFrontage	91	0.068017526	B	0.05360032	1.27	0.2047
LotFrontage	92	-0.057379033	B	0.04199649	-1.37	0.1721
LotFrontage	93	-0.015070355	B	0.04618234	-0.33	0.7442
LotFrontage	94	-0.033774686	B	0.05267101	-0.64	0.5215
LotFrontage	95	-0.044307991	B	0.05004944	-0.89	0.3762
LotFrontage	96	0.028227555	B	0.04688823	0.60	0.5473
LotFrontage	97	0.023370479	B	0.09167103	0.25	0.7988
LotFrontage	98	-0.074061618	B	0.04674298	-1.58	0.1133
LotFrontage	99	-0.001626740	B	0.07416580	-0.02	0.9825
LotFrontage	NA	0.000000000	B	.	.	.
LogLiving*Neighborhood BImngtn		-0.206728318	B	0.38964932	-0.53	0.5958
LogLiving*Neighborhood Blueste		0.012975685	B	0.78540837	0.02	0.9868
LogLiving*Neighborhood BrDale		-0.091896903	B	0.34767314	-0.26	0.7916
LogLiving*Neighborhood BrkSide		-0.524240669	B	0.22161780	-2.37	0.0182
LogLiving*Neighborhood ClearCr		-0.575805429	B	0.23655339	-2.43	0.0151

The GLM Procedure

Dependent Variable: LogSalePrice

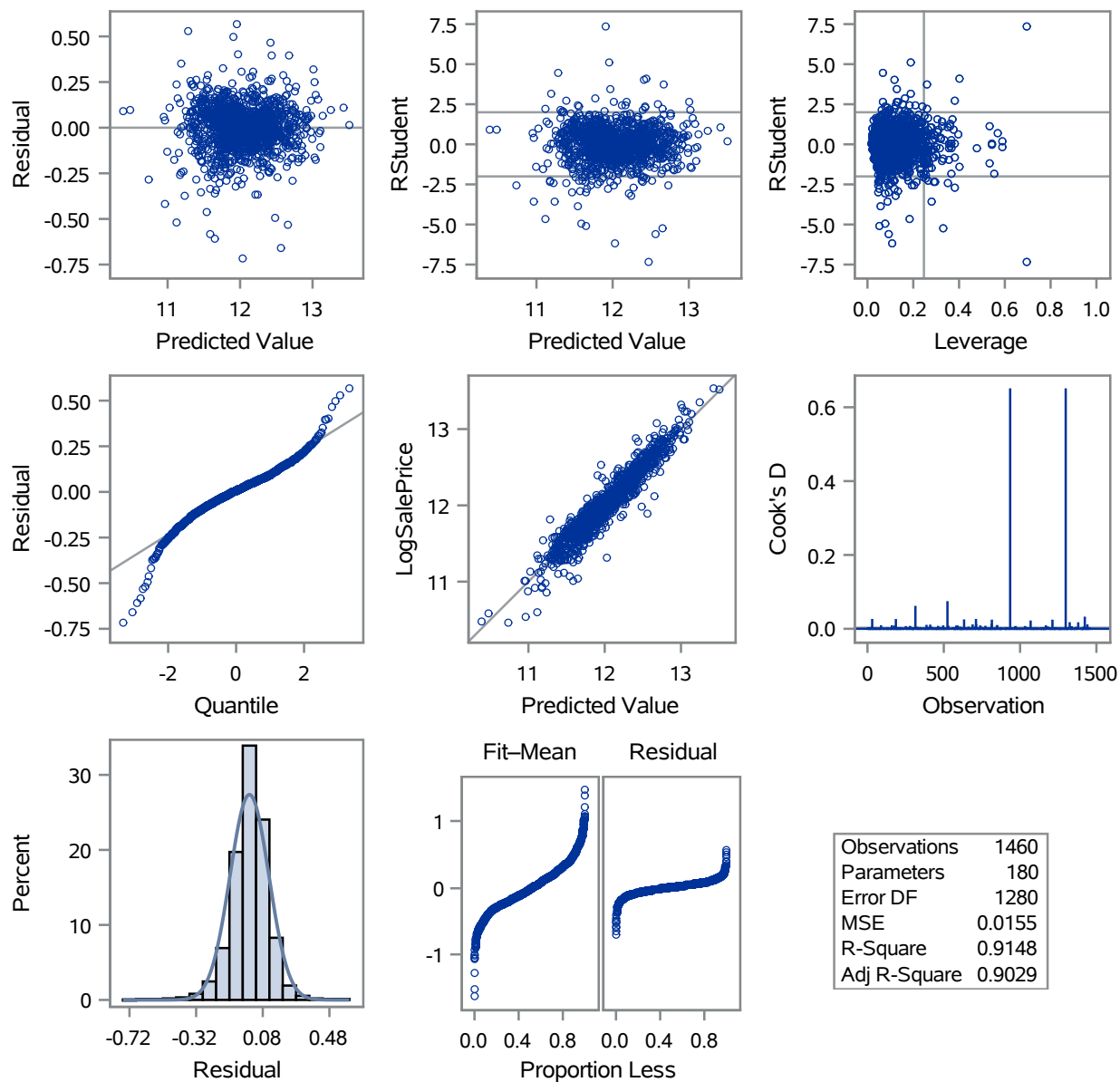
Parameter	Estimate		Standard Error	t Value	Pr > t
LogLiving*Neighborho CollgCr	-0.601390400	B	0.21792816	-2.76	0.0059
LogLiving*Neighborho Crawfor	-0.550232883	B	0.22412350	-2.46	0.0142
LogLiving*Neighborho Edwards	-0.840440850	B	0.21925050	-3.83	0.0001
LogLiving*Neighborho Gilbert	-0.478139458	B	0.23065280	-2.07	0.0384
LogLiving*Neighborho IDOTRR	-0.431327844	B	0.23023441	-1.87	0.0612
LogLiving*Neighborho MeadowV	-0.826108298	B	0.23954351	-3.45	0.0006
LogLiving*Neighborho Mitchel	-0.683460020	B	0.22536118	-3.03	0.0025
LogLiving*Neighborho NAmes	-0.704202294	B	0.21749405	-3.24	0.0012
LogLiving*Neighborho NPkVill	-0.333124498	B	0.33452797	-1.00	0.3195
LogLiving*Neighborho NWAmes	-0.506973203	B	0.22466826	-2.26	0.0242
LogLiving*Neighborho NoRidge	-0.284406534	B	0.23893845	-1.19	0.2342
LogLiving*Neighborho NridgHt	-0.320490256	B	0.22962098	-1.40	0.1630
LogLiving*Neighborho OldTown	-0.539003892	B	0.21880860	-2.46	0.0139
LogLiving*Neighborho SWISU	-0.596350931	B	0.22636570	-2.63	0.0085
LogLiving*Neighborho Sawyer	-0.710013715	B	0.22355525	-3.18	0.0015
LogLiving*Neighborho SawyerW	-0.475604203	B	0.22138984	-2.15	0.0319
LogLiving*Neighborho Somerst	-0.397959538	B	0.23211848	-1.71	0.0867
LogLiving*Neighborho StoneBr	-0.316127009	B	0.23813001	-1.33	0.1846
LogLiving*Neighborho Timber	-0.362296138	B	0.23854681	-1.52	0.1291
LogLiving*Neighborho Veenker	0.000000000	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.

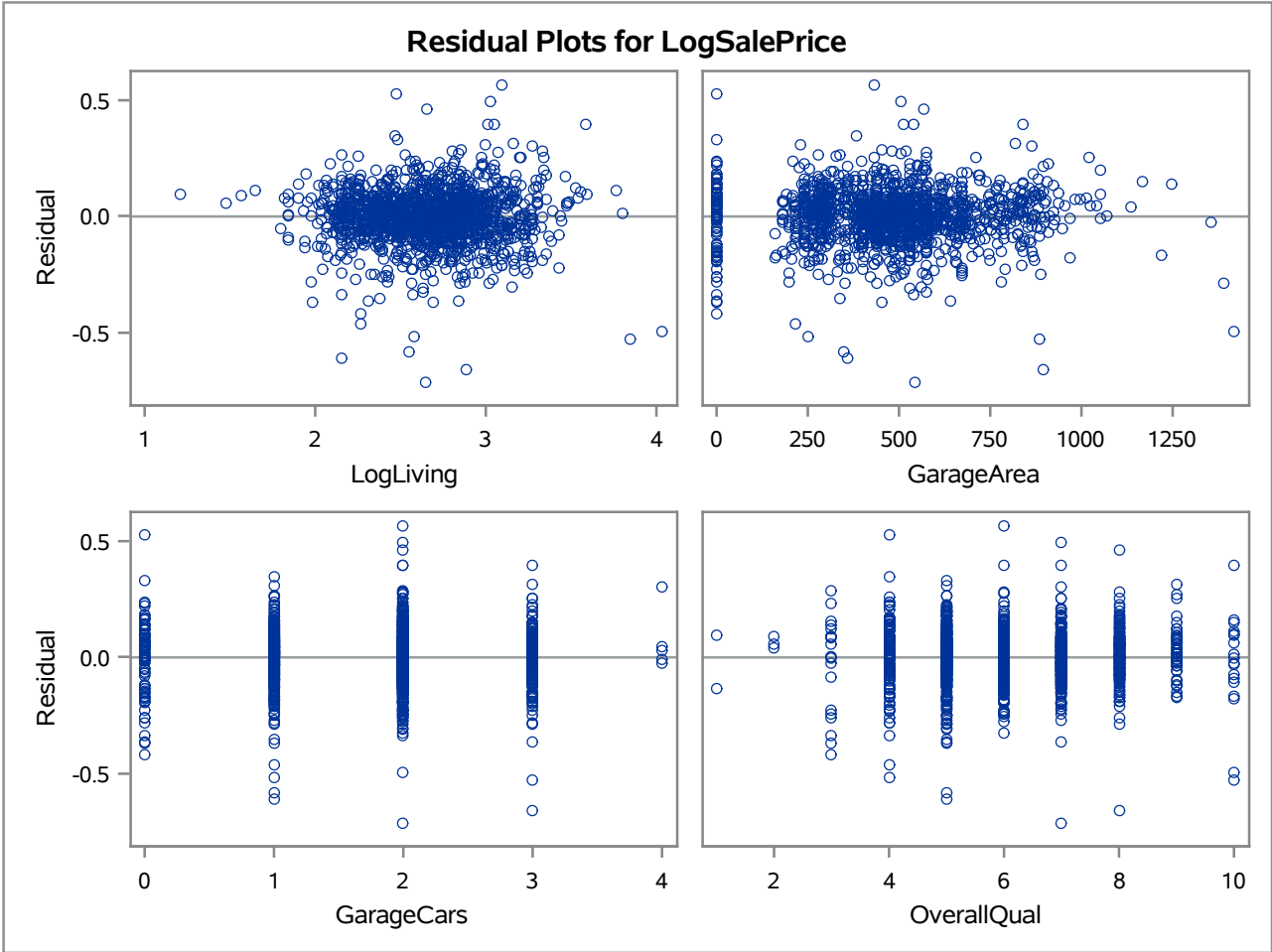
The GLM Procedure

Dependent Variable: LogSalePrice

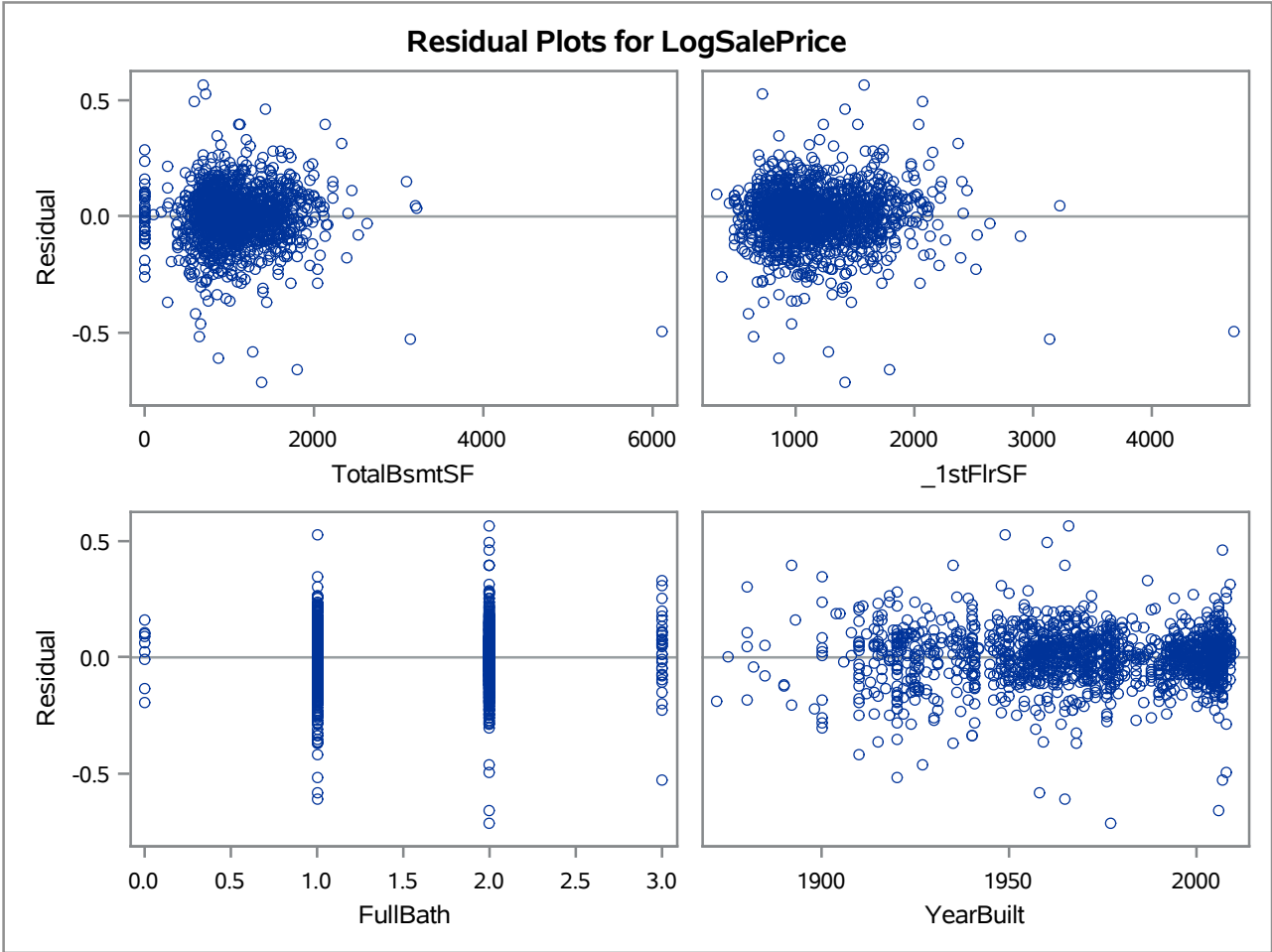
Fit Diagnostics for LogSalePrice



The GLM Procedure
Dependent Variable: LogSalePrice



The GLM Procedure
Dependent Variable: LogSalePrice



The GLM Procedure**Dependent Variable: LogSalePrice**