User
 = ashis

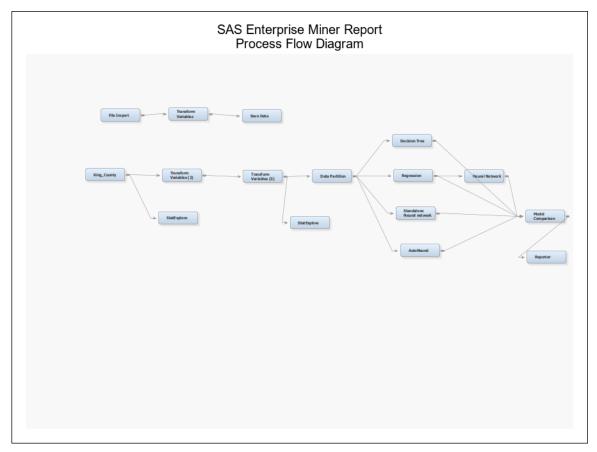
 Date
 = 10:13:40 December 01

 Project
 = Project_KC

 Diagram
 = Project_King_County

Start Node = Report Node label = Reporter Nodes = ALL Showall = N

Format = PDF Style = LISTING



Node=Save Data Summary

Node id = EMSave Node label = Save Data Meta path = FIMPORT => Trans => EMSave Notes =

Node=Save Data Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EMSave		Name			Train	Υ	
AllObs	Υ		OutObs	1000		Transaction	Υ	
AllRoles	Υ		Replace	Υ		Туре	SAS7BDAT	SAS7DBAT
DirectorySelector			Score	Υ		Validate	Υ	
Lib	KCOUNTY		Test	Υ				

Node=Save Data Variable Summary

Role	Level	Frequency Count	Name
INPUT	BINARY	1	waterfront
INPUT	INTERVAL	13	Sold_Year bathrooms lat long price sqft_above sqft_basement sqft_living sqft_living15 sqft_lot sqft_lot15 yr_built yr_renovated
INPUT	NOMINAL	5	bedrooms condition floors grade view

Node=Save Data Data

Data Library	Output Location	Total Observations	Saved Observations	Number of Variables
KCOUNTY	C:\Users\ashis\OneDrive\Documents\Asgn2\em_save_TRAIN.sas7bdat	21613	MAX	20

Node=StatExplore Summary

Node id = Stat Node label = StatExplore Meta path = Ids => Stat Notes =

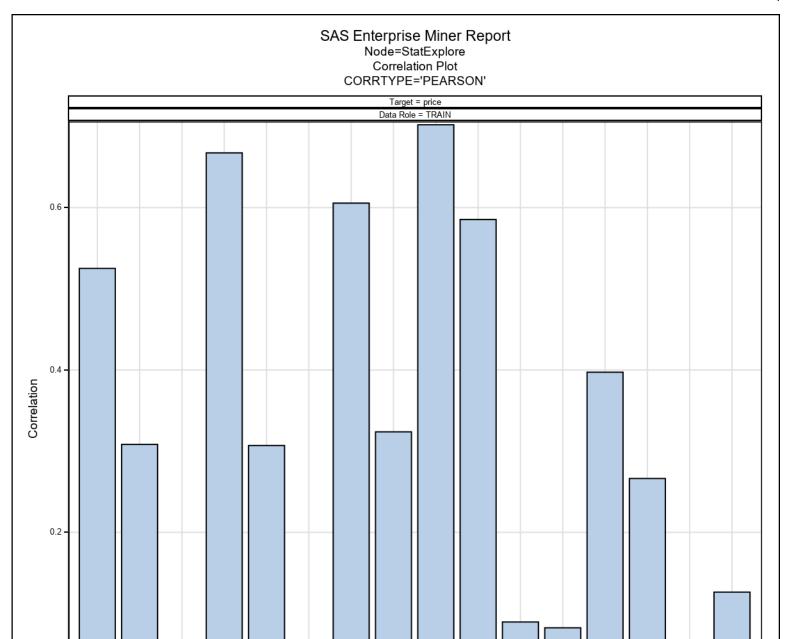
Node=StatExplore Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	StatExplore		Correlation	Υ		NObs	100000	1000000
BySegment	N	Υ	DropRejected	Υ		Pearson	Υ	
ChiSquare	Υ		HideVariable	Υ		Spearman	N	
ChiSquareInterval	N		IntervalDistribution	Υ		UseScore	N	
ChiSquareIntervalNBins	5		LevelSummary	Υ		UseTest	N	
ClassDistribution	Y		MaximumVars	1000		UseValidate	N	

Node=StatExplore Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	16	bathrooms bedrooms condition grade lat long sqft_above sqft_basement sqft_living sqft_living15 sqft_lot sqft_lot15 view waterfront yr_built yr_renovated
INPUT	NOMINAL	2	Sold_Year floors

Target	Variable	Importance	Worth	Analysis Variable	Label	plot
price	sqft_living	1	70097280486.19	1	sqft_living	
price	grade	2	66268663788.26	1	grade	
price	sqft_above	3	54120654479.50	1	sqft_above	
price	sqft_living15	4	46286486987.59	1	sqft_living15	
price	bathrooms	5	42259865795.94	1	bathrooms	
price	lat	6	31147941483.57	1	lat	
price	view	7	23683078789.07	1	view	
price	sqft_basement	8	19084308079.48	1	sqft_basement	
price	bedrooms	9	14190222027.09	1	bedrooms	
price	floors	10	12098776769.40	1	floors	
price	waterfront	11	10369091124.95	1	waterfront	
price	sqft_lot15	12	8466438514.15	1	sqft_lot15	
price	sqft_lot	13	7120582364.28	1	sqft_lot	
price	yr_built	14	5538473369.29	1	yr_built	
price	long	15	5515611407.33	1	long	
price	yr_renovated	16	2333635428.02	1	yr_renovated	
price	condition	17	849069719.30	1	condition	
price	Sold_Year	18	7850845.80	1	Sold_Year	



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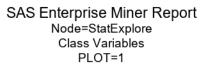
0.0

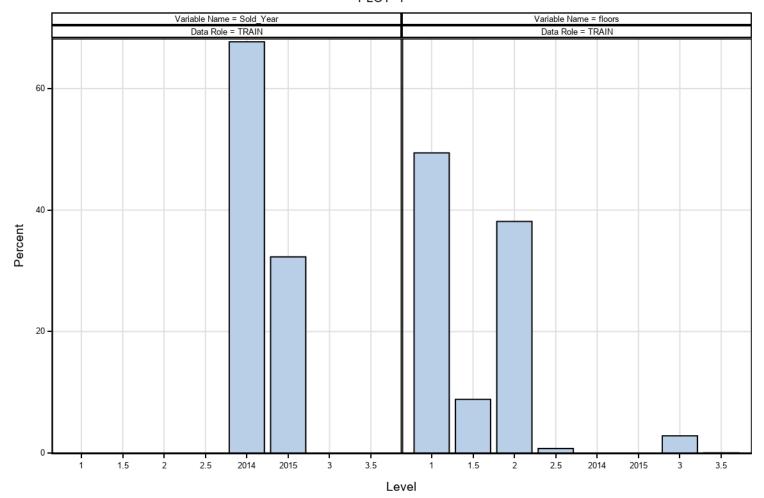
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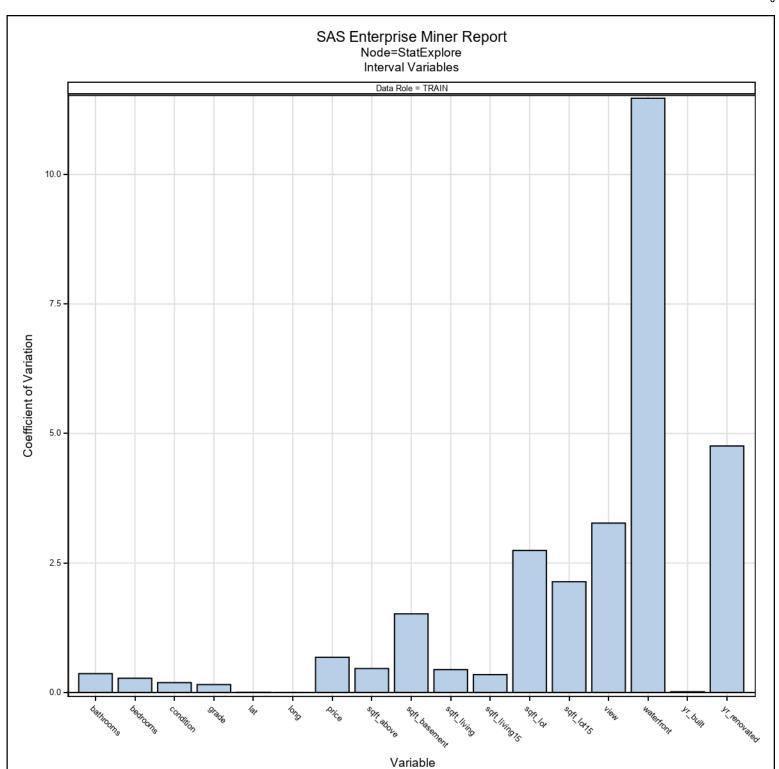
bedrooms.

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Node=File Import Summary

Node id = FIMPORT Node label = File Import Meta path = FIMPORT Notes =

Node=File Import Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	FileImport		GuessRows	500		NameRow	Υ	
AccessTable	NoTableName		IFileName	C:\Users\ashis\OneDrive\Documents\Asgn2\kc_house_data.csv		Password	NoPassword	
AdvancedAdvisor	Υ	N	ImportType	Local	LOCAL	Role	TRAIN	
Delimiter	,		MaxCols	10000		SkipRows	0	
FileType	csv	XLS	MaxRows	1000000		Summarize	N	

Node=File Import Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	FIMPORT_DATA	Date Created	16Oct2020:14:56:34	Data Size	3998720
Data Type	DATA	Date Modified	16Oct2020:14:56:34	Role	TRAIN
Data Label		Number Rows	21613	Segment	
Engine	V9	Number Columns	21	Data Library	EMWS1

Node=File Import Variables List

Name	Label	Role	Level	Туре	Length	Format	Creator
bathrooms		INPUT	INTERVAL	N	8	BEST12.0	
bedrooms		INPUT	NOMINAL	N	8	BEST12.0	
condition		INPUT	NOMINAL	N	8	BEST12.0	
date		REJECTED	NOMINAL	С	17	\$17.	
floors		INPUT	NOMINAL	С	5	\$5.	
grade		INPUT	NOMINAL	N	8	BEST12.0	
id		ID	NOMINAL	С	12	\$12.	
lat		INPUT	INTERVAL	N	8	BEST12.0	
long		INPUT	INTERVAL	N	8	BEST12.0	
price		INPUT	INTERVAL	N	8	BEST12.0	
sqft_above		INPUT	INTERVAL	N	8	BEST12.0	
sqft_basement		INPUT	INTERVAL	N	8	BEST12.0	
sqft_living		INPUT	INTERVAL	N	8	BEST12.0	
sqft_living15		INPUT	INTERVAL	N	8	BEST12.0	
sqft_lot		INPUT	INTERVAL	N	8	BEST12.0	
sqft_lot15		INPUT	INTERVAL	N	8	BEST12.0	
view		INPUT	NOMINAL	N	8	BEST12.0	
waterfront		INPUT	BINARY	N	8	BEST12.0	
yr_built		INPUT	INTERVAL	N	8	BEST12.0	

Name	Label	Role	Level	Туре	Length	Format	Creator
yr_renovated		INPUT	INTERVAL	N	8	BEST12.0	
zipcode		REJECTED	NOMINAL	С	7	\$7.	

Node=File Import Created Variables List

Node=Transform Variables Summary

Node id = Trans Node label = Transform Variables Meta path = FIMPORT => Trans Notes =

Node=Transform Variables Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Transform		EmSampleSize	DEFAULT		MissingValue	USEINSEARCH	
DefaultClassMethod	NONE		GroupCutoff	0.1		NumberofBins	VARIABLES	
DefaultClassTargetMethod	NONE		GroupMissing	N		Offset	1	
DefaultMethod	NONE		HideVariable	Υ		RejectVariable	Υ	
DefaultTargetMethod	NONE		MaxOptimalBins	4		SummaryStatistics	Υ	
EmRandomSeed	12345		MinOffset	Υ		SummaryVariables	TRANSFORMED	
EmSampleMethod	FIRSTN		MissingAsLevel	N		UseMetaTransform	Υ	

Node=Transform Variables Variable Summary

Role	Level	Frequency Count	Name
REJECTED	NOMINAL	2	date zipcode
INPUT	BINARY	1	waterfront
INPUT	INTERVAL	12	bathrooms lat long price sqft_above sqft_basement sqft_living sqft_living15 sqft_lot sqft_lot15 yr_built yr_renovated
INPUT	NOMINAL	5	bedrooms condition floors grade view

Node=Transform Variables Transformations Statistics

Source	Method	Variable Name	Formula	Number of Levels	Non Missing		Minimum	Maximum	Mean	Standard Deviation	Skewness	Kurtosis	Label
Input	Original	date		372		0							
Output	Formula	Sold_Year	substr(date,1,4)	2		0							

Node=King_County Summary

Node id = Ids Node label = King_County Meta path = Ids Notes =

Node=King_County Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	ashis		NBytes	3867648	
ApplyIntervalLevelLowerLimit	Υ		Dsld	kingcounty		NCols	20	
ApplyMaxClassLevels	Υ		DsModifiedBy	ashis		NObs	21613	
ApplyMaxPercentMissing	Υ		DsModifyDate	1919535896.3		NewTable		
CMeta	WORK.M3C3ZMUR		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Υ		DsSampleSizeType			Role	RAW	TRAIN
Data	KCOUNTY.EM_SAVE_TRAIN		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Υ		SampleSizeObs	10000	
DataSource	kingcounty		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	KCOUNTY		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Υ		MaxPercentMissing	50		Segment		
DsCreateDate	1919535896.3		MetaAdvisor	BASIC		Table	EM_SAVE_TRAIN	

Node=King_County Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	EM_SAVE_TRAIN	Date Created	28Oct2020:20:22:32	Data Size	3867648
Data Type	DATA	Date Modified	28Oct2020:20:22:32	Role	RAW
Data Label		Number Rows	21613	Segment	
Engine	BASE	Number Columns	20	Data Library	KCOUNTY

Node=King_County Variables List

Name	Label	Role	Level	Туре	Length	Format	Creator
Sold_Year		INPUT	NOMINAL	С	17		
bathrooms		INPUT	INTERVAL	N	8	BEST12.0	
bedrooms		INPUT	INTERVAL	N	8	BEST12.0	
condition		INPUT	INTERVAL	N	8	BEST12.0	
floors		INPUT	NOMINAL	С	5	\$5.	
grade		INPUT	INTERVAL	N	8	BEST12.0	
id		ID	NOMINAL	С	12	\$12.	
lat		INPUT	INTERVAL	N	8	BEST12.0	
long		INPUT	INTERVAL	N	8	BEST12.0	
price		TARGET	INTERVAL	N	8	BEST12.0	
sqft_above		INPUT	INTERVAL	N	8	BEST12.0	

Name	Label	Role	Level	Туре	Length	Format	Creator
sqft_basement		INPUT	INTERVAL	N	8	BEST12.0	
sqft_living		INPUT	INTERVAL	N	8	BEST12.0	
sqft_living15		INPUT	INTERVAL	N	8	BEST12.0	
sqft_lot		INPUT	INTERVAL	N	8	BEST12.0	
sqft_lot15		INPUT	INTERVAL	N	8	BEST12.0	
view		INPUT	INTERVAL	N	8	BEST12.0	
waterfront		INPUT	INTERVAL	N	8	BEST12.0	
yr_built		INPUT	INTERVAL	N	8	BEST12.0	
yr_renovated		INPUT	INTERVAL	N	8	BEST12.0	

Node=Transform Variables (2) Summary

Node id = Trans2 Node label = Transform Variables (2) Meta path = Ids => Trans2 Notes =

Node=Transform Variables (2) Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Transform		EmSampleSize	DEFAULT		MissingValue	USEINSEARCH	
DefaultClassMethod	NONE		GroupCutoff	0.1		NumberofBins	VARIABLES	
DefaultClassTargetMethod	NONE		GroupMissing	N		Offset	1	
DefaultMethod	NONE		HideVariable	Υ		RejectVariable	Υ	
DefaultTargetMethod	NONE		MaxOptimalBins	4		SummaryStatistics	Υ	
EmRandomSeed	12345		MinOffset	Υ		SummaryVariables	TRANSFORMED	
EmSampleMethod	FIRSTN		MissingAsLevel	N		UseMetaTransform	Υ	

Node=Transform Variables (2) Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	price
INPUT	INTERVAL	16	bathrooms bedrooms condition grade lat long sqft_above sqft_basement sqft_living sqft_living15 sqft_lot sqft_lot15 view waterfront yr_built yr_renovated
INPUT	NOMINAL	2	Sold_Year floors

Node=Transform Variables (2) Transformations Statistics

Source	Method	Variable Name	Formula	Number of Levels	Non Missing	Missing	Minimum	Maximum	Mean	Standard Deviation	Skewness	Kurtosis	Label
Input	Original	Sold_Year		2		0							
Input	Original	bathrooms			21613	0	0	8	2.11	0.770	0.51111	1.2799	
Input	Original	yr_built			21613	0	1900	2015	1971.01	29.373	-0.46981	-0.6574	
Input	Original	yr_renovated			21613	0	0	2015	84.40	401.679	4.54949	18.7012	
Output	Formula	AGE	(Sold_Year) - (yr_built)		21613	0	-1	115	43.32	29.375	0.46916	-0.6580	
Output	Formula	AGE_RNV	MIN((Sold_Year - yr_renovated) ,yr_renovated)		21613	0	-1	80	0.78	4.895	7.97455	74.0904	
Output	Formula	Bathroom_Rounded	ROUND(bathrooms)		21613	0	0	8	2.31	0.865	0.27652	0.3926	

Node=Transform Variables (3) Summary

Node id = Trans3 Node label = Transform Variables (3) Meta path = Ids => Trans2 => Trans3 Notes =

Node=Transform Variables (3) Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Transform		EmSampleSize	DEFAULT		MissingValue	USEINSEARCH	
DefaultClassMethod	NONE		GroupCutoff	0.1		NumberofBins	VARIABLES	
DefaultClassTargetMethod	NONE		GroupMissing	N		Offset	1	
DefaultMethod	NONE		HideVariable	Υ		RejectVariable	Υ	
DefaultTargetMethod	NONE		MaxOptimalBins	4		SummaryStatistics	Υ	
EmRandomSeed	12345		MinOffset	Υ		SummaryVariables	TRANSFORMED	
EmSampleMethod	FIRSTN		MissingAsLevel	N		UseMetaTransform	Υ	

Node=Transform Variables (3) Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	price
INPUT	INTERVAL	18	AGE AGE_RNV Bathroom_Rounded bedrooms condition grade lat long sqft_above sqft_basement sqft_living sqft_living 15 sqft_lot sqft_lot sqft_lot15 view waterfront yr_built yr_renovated
INPUT	NOMINAL	2	Sold_Year floors

Node=Transform Variables (3) Transformations Statistics

Source	Method	Variable Name	Formula	Number of Levels	Non Missing
Input	Original	lat			21613
Input	Original	long			21613
Input	Original	price			21613
Input	Original	sqft_above			21613
Input	Original	sqft_basement			21613
Input	Original	sqft_living			21613
Input	Original	sqft_living15			21613
Input	Original	sqft_lot			21613
Input	Original	sqft_lot15			21613
Input	Original	yr_built			21613
Input	Original	yr_renovated			21613
Output	Computed	OPT_yr_built	Optimal Binning(4)	4	
Output	Computed	OPT_yr_renovated	Optimal Binning(4)	2	
Output	Computed	STD_lat	(lat - 47.560052519) / 0.1385637102		21613
Output	Computed	STD_long	(long122.2138964) / 0.1408283426		21613
Output	Computed	STD_price	(price - 540088.14177) / 367127.19648		21613
Output	Computed	STD_sqft_above	(sqft_above - 1788.3906908) / 828.09097765		21613
Output	Computed	STD_sqft_basement	(sqft_basement - 291.50904548) / 442.57504268		21613
Output	Computed	STD_sqft_living	(sqft_living - 2079.8997363) / 918.44089705		21613
Output	Computed	STD_sqft_living15	(sqft_living15 - 1986.5524916) / 685.39130425		21613
Output	Computed	STD_sqft_lot	(sqft_lot - 15106.967566) / 41420.511515		21613
Output	Computed	STD_sqft_lot15	(sqft_lot15 - 12768.455652) / 27304.179631		21613

				Standard			
Missing	Minimum	Maximum	Mean	Deviation	Skewness	Kurtosis	Label
0	47.16	47.78	47.56	0.14	-0.4853	-0.677	
0	-122.52	-121.32	-122.21	0.14	0.8850	0.960	
0	75000.00	7700000.00	540088.14	367127.20	4.0241	34.586	
0	290.00	9410.00	1788.39	828.09	1.4467	3.402	
0	0.00	4820.00	291.51	442.58	1.5780	2.716	
0	290.00	13540.00	2079.90	918.44	1.4716	5.243	
0	399.00	6210.00	1986.55	685.39	1.1082	1.597	
0	520.00	1651359.00	15106.97	41420.51	13.0600	285.078	
0	651.00	871200.00	12768.46	27304.18	9.5067	150.763	
0	1900.00	2015.00	1971.01	29.37	-0.4698	-0.657	
0	0.00	2015.00	84.40	401.68	4.5495	18.701	
0							Transformed yr_built
0							Transformed yr_renovated
0	-2.92	1.57	0.00	1.00	-0.4853	-0.676	Transformed lat
0	-2.17	6.38	-0.00	1.00	0.8851	1.050	Transformed long
0	-1.27	19.50	-0.00	1.00	4.0241	34.586	Transformed price
0	-1.81	9.20	-0.00	1.00	1.4467	3.402	Transformed sqft_above
0	-0.66	10.23	0.00	1.00	1.5780	2.716	Transformed sqft_basement
0	-1.95	12.48	-0.00	1.00	1.4716	5.243	Transformed sqft_living
0	-2.32	6.16	-0.00	1.00	1.1082	1.597	Transformed sqft_living15
0	-0.35	39.50	-0.00	1.00	13.0600	285.078	Transformed sqft_lot
0	-0.44	31.44	-0.00	1.00	9.5067	150.763	Transformed sqft_lot15

Node=Data Partition Summary

Node id = Part Node label = Data Partition Meta path = Ids => Trans2 => Trans3 => Part Notes =

Node=Data Partition Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Partition		Method	DEFAULT		TestPct	0	30
ClassDistribution	Υ		OutputType	DATA		TrainPct	50	40
IntervalDistribution	Υ		RandomSeed	12345		ValidatePct	50	30

Node=Data Partition Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	STD_price
INPUT	INTERVAL	16	AGE_AGE_RNV Bathroom_Rounded STD_lat STD_long STD_sqft_above STD_sqft_basement STD_sqft_living STD_sqft_living15 STD_sqft_lot STD_sqft_lot15 bedrooms condition grade view waterfront
INPUT	NOMINAL	4	OPT_yr_built OPT_yr_renovated Sold_Year floors
ID	NOMINAL	1	id

Node=StatExplore Summary

Node id = Stat2 Node label = StatExplore Meta path = Ids => Trans2 => Trans3 => Stat2 Notes =

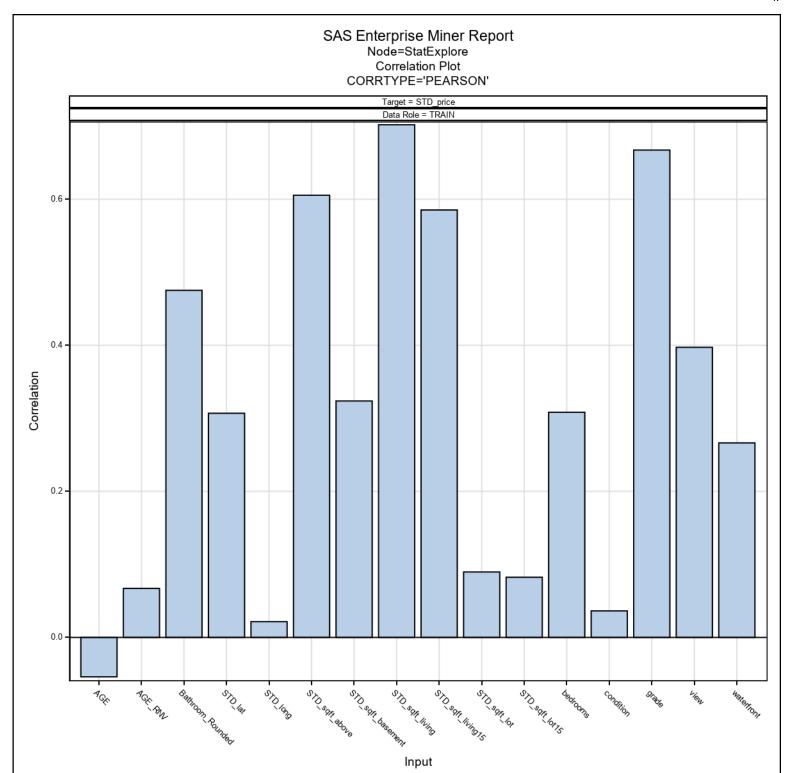
Node=StatExplore Properties

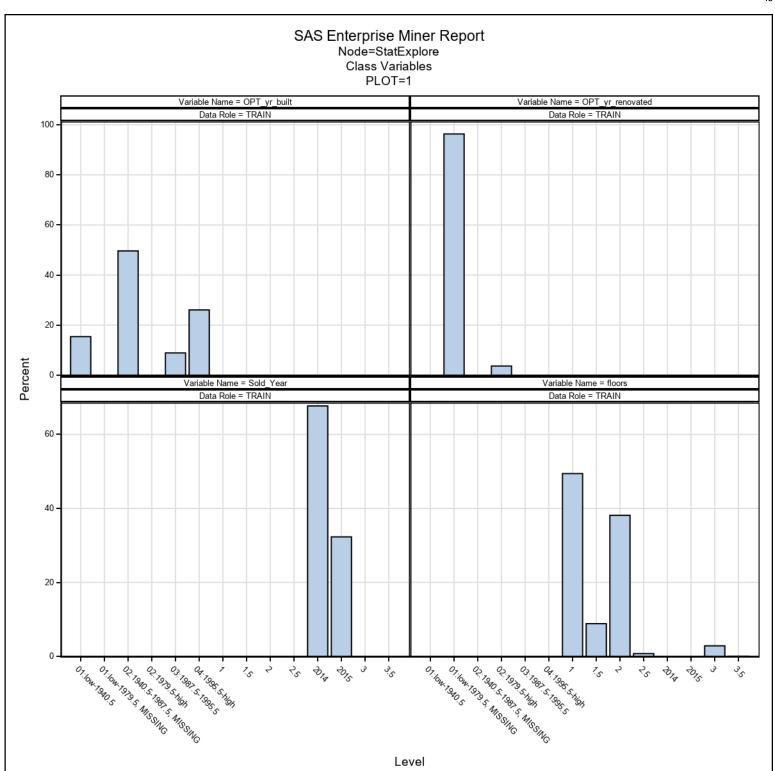
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	StatExplore		Correlation	Υ		NObs	100000	1000000
BySegment	N	Υ	DropRejected	Υ		Pearson	Υ	
ChiSquare	Υ		HideVariable	Υ		Spearman	N	
ChiSquareInterval	N		IntervalDistribution	Υ		UseScore	N	
ChiSquareIntervalNBins	5		LevelSummary	Υ		UseTest	N	
ClassDistribution	Y		MaximumVars	1000		UseValidate	N	

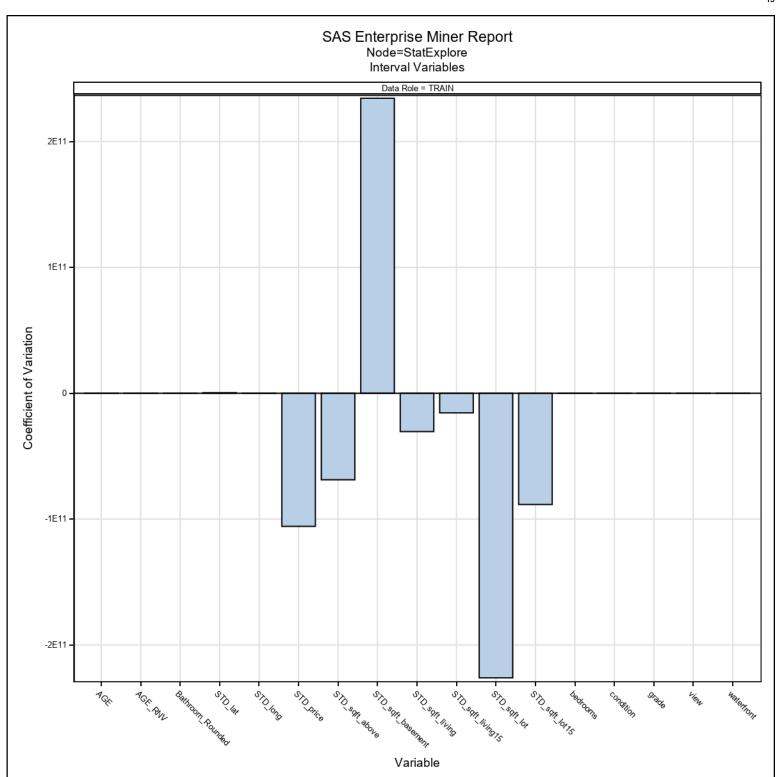
Node=StatExplore Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	16	AGE AGE_RNV Bathroom_Rounded STD_lat STD_long STD_sqft_above STD_sqft_basement STD_sqft_living STD_sqft_living 15 STD_sqft_lot STD_sqft_lot15 bedrooms condition grade view waterfront
INPUT	NOMINAL	4	OPT yr built OPT yr renovated Sold Year floors

Target	Variable	Importance	Worth	Analysis Variable	Label	plot
STD_price	STD_sqft_living	1	0.52008	1	Transformed sqft_living	
STD_price	grade	2	0.49167	1	grade	
STD_price	STD_sqft_above	3	0.40154	1	Transformed sqft_above	
STD_price	STD_sqft_living15	4	0.34342	1	Transformed sqft_living15	
STD_price	Bathroom_Rounded	5	0.27255	1	Bathroom_Rounded	
STD_price	STD_lat	6	0.23110	1	Transformed lat	
STD_price	view	7	0.17571	1	view	
STD_price	STD_sqft_basement	8	0.14159	1	Transformed sqft_basement	
STD_price	bedrooms	9	0.10528	1	bedrooms	
STD_price	floors	10	0.08977	1	floors	
STD_price	waterfront	11	0.07693	1	waterfront	
STD_price	STD_sqft_lot15	12	0.06282	1	Transformed sqft_lot15	
STD_price	STD_sqft_lot	13	0.05283	1	Transformed sqft_lot	
STD_price	STD_long	14	0.04092	1	Transformed long	
STD_price	AGE	15	0.04081	1	AGE	
STD_price	OPT_yr_built	16	0.03751	1	Transformed yr_built	
STD_price	AGE_RNV	17	0.02099	1	AGE_RNV	
STD_price	OPT_yr_renovated	18	0.01728	1	Transformed yr_renovated	
STD_price	condition	19	0.00630	1	condition	
STD_price	Sold_Year	20	0.00006	1	Sold_Year	







Node=Regression Summary

Node id = Reg Node label = Regression Meta path = Ids => Trans2 => Trans3 => Part => Reg Notes =

Node=Regression Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Regression		Force	0		PolynomialDegree	2	
AbsConvValue	-1.34078E154	-7.237006E75	GConvTimes	1		PrintDesignMatrix	N	
AbsFTime	1		GConvValue	1E-6		Rule	NONE	
AbsFValue	0		Hierarchy	CLASS		SASSPDS	N	
AbsGTime	1		InputCoding	DEVIATION		SelectionCriterion	VERROR	DEFAULT
AbsGValue	0.00001		Interactions			SelectionDefault	Υ	
AbsXTime	1		LinkFunction	LOGIT		Sequential	N	
AbsXValue	1E-8		MainEffect	Υ		Simple	N	
CIParm	N		MaxCPUTime	1 HOUR		SIEntry	0.05	
ConvDefaults	Υ		MaxFunctionCalls			SIStay	0.05	
CorB	N		MaxIterations			Start	0	
CovB	N		MaxStep	0		StepOutput	N	
Covout	N		MinResourceUse	N		Stop	0	
Details	N		ModelDefaults	Υ		SuppressIntercept	N	
Error	LOGISTIC		ModelSelection	STEPWISE	NONE	SuppressOutput	N	
ExcludedVariable	REJECT		OptimizationTechnique	DEFAULT		Terms	N	
FConvTimes	1		Performance	N		TwoFactor	N	
FConvValue	0		Polynomial	N				

Node=Regression Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	STD_price
INPUT	INTERVAL	16	AGE_AGE_RNV Bathroom_Rounded STD_lat STD_long STD_sqft_above STD_sqft_basement STD_sqft_living STD_sqft_living15 STD_sqft_lot STD_sqft_lot15 bedrooms condition grade view waterfront
INPUT	NOMINAL	4	OPT_yr_built OPT_yr_renovated Sold_Year floors

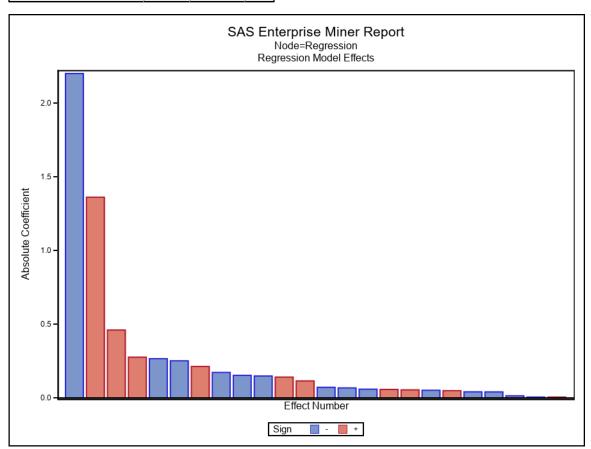
Node=Regression Model Fit Statistics

Target=STD_price Target Label=Transformed price

Label of Statistic	Train	Validation	Test
Akaike's Information Criterion	-13913.66		
Average Squared Error	0.27	0.33	
Average Error Function	0.27	0.33	
Degrees of Freedom for Error	10783.00		
Model Degrees of Freedom	24.00		
Total Degrees of Freedom	10807.00		

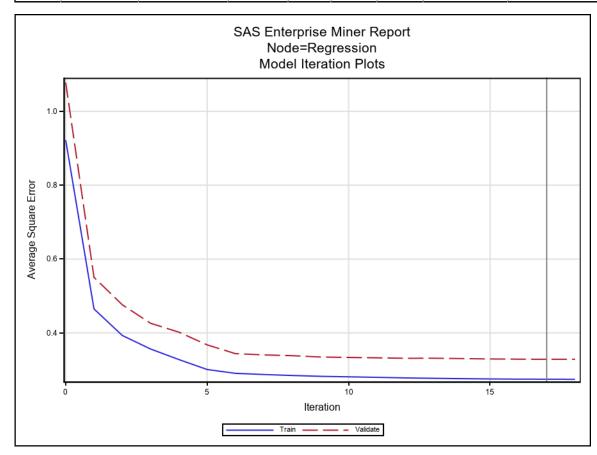
Target=STD_price Target Label=Transformed price

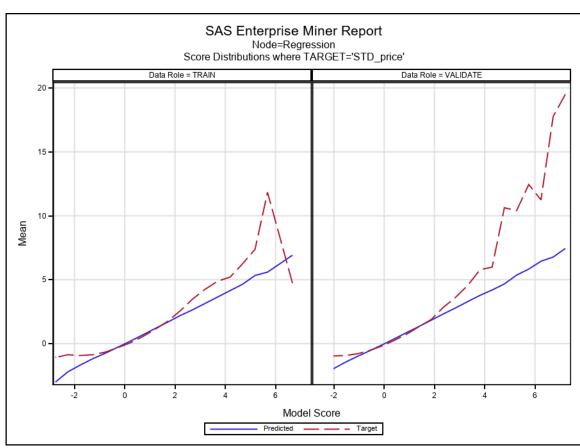
Label of Statistic	Train	Validation	Test
Divisor for ASE	10807.00	10806.00	
Error Function	2969.18	3551.02	
Final Prediction Error	0.28		
Maximum Absolute Error	11.54	12.05	
Mean Square Error	0.28	0.33	
Sum of Frequencies	10807.00	10806.00	
Number of Estimate Weights	24.00		
Root Average Sum of Squares	0.52	0.57	
Root Final Prediction Error	0.53		
Root Mean Squared Error	0.52	0.57	
Schwarz's Bayesian Criterion	-13738.75		
Sum of Squared Errors	2969.18	3551.02	
Sum of Case Weights Times Freq	10807.00	10806.00	

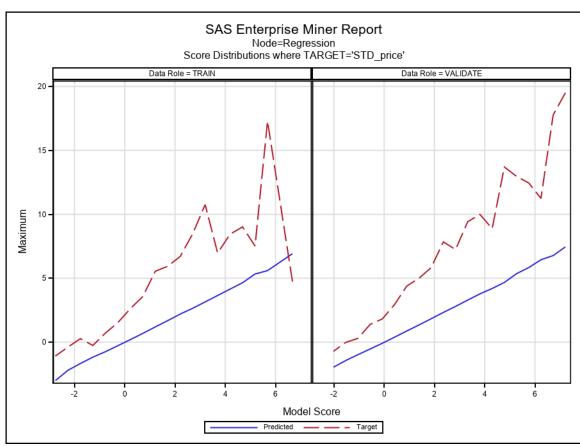


Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
1	Intercept		-2.19933	-22.5521	0.000000	13	OPT_yr_built	03_1987_5_1995_5	-0.071511	-4.23395	0.00002
2	waterfront		1.36070	19.9501	0.000000	14	OPT_yr_built	02_1940_5_1987_5MI	-0.067420	-6.61782	0.00000
3	STD_sqft_living		0.46006	38.0717	0.000000	15	bedrooms		-0.058819	-8.69417	0.00000
4	grade		0.27603	34.6709	0.000000	16	OPT_yr_built	01_LOW_1940_5	0.057137	2.12033	0.03400
5	floors	2	-0.26580	-5.0522	0.000000	17	floors	2D5	0.054024	0.76026	0.44712
6	floors	1D5	-0.25127	-4.6044	0.000004	18	STD_sqft_basement		-0.051464	-7.11009	0.00000
7	STD_lat		0.21276	39.1222	0.000000	19	STD_sqft_living15		0.048797	5.63353	0.00000
8	floors	1	-0.17248	-3.2293	0.001245	20	STD_long		-0.040872	-6.45770	0.00000
9	OPT_yr_renovated	01_LOW_1979_5M	-0.15273	-9.5197	0.000000	21	Sold_Year	2014	-0.040315	-7.42108	0.00000
10	floors	3	-0.14826	-2.5118	0.012027	22	STD_sqft_lot15		-0.014076	-2.60325	0.00925

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
11	view		0.14088	17.6656	0.000000	23	AGE_RNV		-0.005389	-4.43188	0.00001
12	condition		0.11478	12.9730	0.000000	24	AGE		0.005301	9.93762	0.00000







Node=Regression Score Distributions

Target Variable=STD_price Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6.424 - 6.920	6.92034	6.92034	6.92034	4.7393	4.7393	4.73926
5.432 - 5.928	5.59473	5.74429	5.44517	11.8390	17.2826	6.39536
4.935 - 5.432	5.33126	5.40452	5.25801	7.3814	7.5176	7.24521
4.439 - 4.935	4.64695	4.82846	4.44011	6.2477	9.0157	4.31706
3.943 - 4.439	4.15027	4.41781	3.97077	5.2041	8.4462	3.10495
3.447 - 3.943	3.64929	3.83669	3.46767	4.8863	6.9728	1.55236
2.950 - 3.447	3.14781	3.42250	2.96985	4.2556	10.7562	0.70796
2.454 - 2.950	2.64940	2.94090	2.45837	3.4956	8.4709	-0.00024
1.958 - 2.454	2.19740	2.44890	1.95994	2.5675	6.7004	-0.31348
1.462 - 1.958	1.68445	1.95736	1.46339	1.7510	5.9378	-0.52976
0.965 - 1.462	1.18999	1.46164	0.96600	1.1266	5.5428	-0.32710
0.469 - 0.965	0.68676	0.96508	0.46971	0.5572	3.5680	-0.69482
-0.027 - 0.469	0.19497	0.46906	-0.02704	0.0647	2.6147	-1.00993
-0.5230.027	-0.27787	-0.02719	-0.52254	-0.3113	1.5251	-1.11702
-1.0200.523	-0.74892	-0.52357	-1.01895	-0.6584	0.7080	-1.22597
-1.5161.020	-1.17208	-1.01964	-1.51538	-0.8646	-0.2590	-1.24504
-2.0121.516	-1.66844	-1.51647	-1.97728	-0.9267	0.2721	-1.22597
-2.5082.012	-2.20074	-2.04382	-2.46920	-0.8664	-0.3870	-1.26683
-3.0052.508	-3.00456	-3.00456	-3.00456	-1.0843	-1.0843	-1.08433

Target Variable=STD_price Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6.965 - 7.451	7.45062	7.45062	7.45062	19.5025	19.5025	19.5025
6.480 - 6.965	6.77248	6.77248	6.77248	17.7661	17.7661	17.7661
5.995 - 6.480	6.44456	6.44456	6.44456	11.2438	11.2438	11.2438
5.509 - 5.995	5.83326	5.83326	5.83326	12.4499	12.4499	12.4499
5.024 - 5.509	5.35813	5.42644	5.24753	10.4031	12.9653	7.4577
4.539 - 5.024	4.66914	4.91460	4.56898	10.6296	13.7007	7.2452
4.053 - 4.539	4.19811	4.35448	4.05388	5.9864	8.8795	2.9211
3.568 - 4.053	3.77672	4.01104	3.59245	5.7807	9.9908	0.9803
3.083 - 3.568	3.29313	3.56370	3.09424	4.5570	9.4243	2.1380
2.597 - 3.083	2.79657	3.05253	2.60324	3.6217	7.2452	1.6211
2.112 - 2.597	2.32564	2.59174	2.11199	2.8427	7.8412	0.1632
1.627 - 2.112	1.83187	2.11112	1.63048	1.8864	5.8288	-0.4987
1.141 - 1.627	1.34433	1.62351	1.14192	1.3263	4.9980	-0.2726
0.656 - 1.141	0.87153	1.14052	0.65597	0.7457	4.3852	-0.7221
0.171 - 0.656	0.38844	0.65565	0.17075	0.2666	2.9415	-0.7656
-0.315 - 0.171	-0.08685	0.17011	-0.31465	-0.1736	1.8193	-1.1061
-0.8000.315	-0.53624	-0.31501	-0.80013	-0.5170	1.3889	-1.1306
-1.2850.800	-0.97743	-0.80013	-1.28424	-0.7846	0.2994	-1.2478
-1.7711.285	-1.43610	-1.28903	-1.75902	-0.9241	-0.0192	-1.2587
-2.2561.771	-1.95666	-1.80621	-2.25615	-0.9611	-0.7084	-1.1443

Node=Decision Tree Summary

Node id = Tree Node label = Decision Tree Meta path = Ids => Trans2 => Trans3 => Part => Tree Notes =

Node=Decision Tree Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Υ		Pred	N	
AVG	Υ		KassApply	BEFORE		Predict	Υ	
AssessMeasure	ASE	PROFIT/LOSS	LeafSize	3	5	ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Υ		RASE	N	
CV	N		Maxbranch	2		SampleMethod	RANDOM	
CVNIter	10		Maxdepth	6		SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Υ	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Υ	
Count	Υ		NodeRole	SEGMENT		SigLevel	0.2	
CreateSample	DEFAULT		NodeSample	20000		SplitPrecision	4	
Criterion	DEFAULT		NominalCriterion	PROBCHISQ		Splitsize		
Depth	Υ		Nrules	5		Subtree	ASSESSMENT	
Dummy	N		Nsurrs	0		Target	ALL	
Exhaustive	5000		NumInputs	1		ToolType	MODEL	
Freeze	N		NumSingleImp	5		TrainMode	BATCH	
ImportModel	N		ObsImportance	N		UseDecision	N	
ImportedTreeData			OrdinalCriterion	ENTROPY		UseMultipleTarget	N	
Inputs	N		PercentCorrect	N		UsePriors	N	
IntColorBy	AVG		Performance	DISK		UseVarOnce	N	
IntervalCriterion	PROBF		Precision	4		VarSelection	Υ	

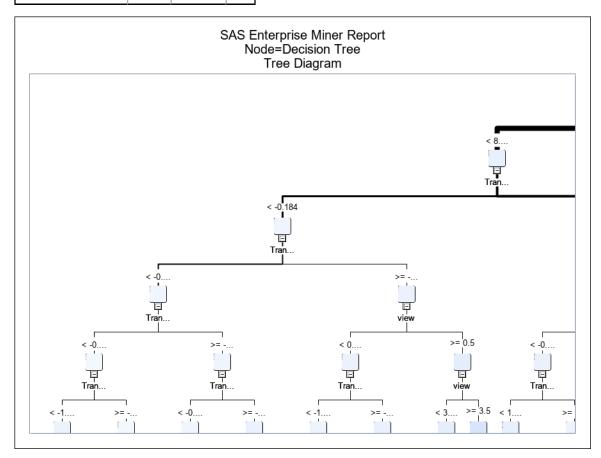
Node=Decision Tree Variable Summary

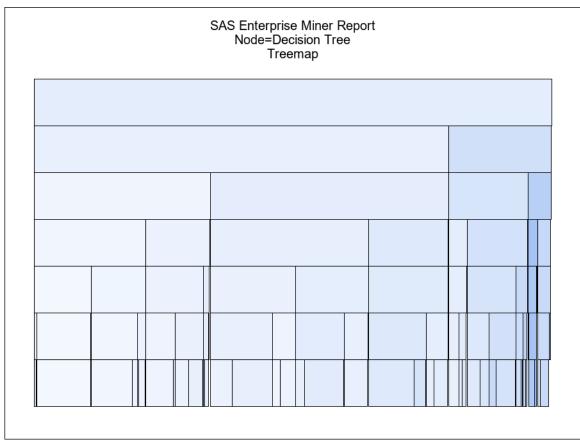
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	STD_price
INPUT	INTERVAL	16	AGE_AGE_RNV Bathroom_Rounded STD_lat STD_long STD_sqft_above STD_sqft_basement STD_sqft_living STD_sqft_living15 STD_sqft_lot STD_sqft_lot15 bedrooms condition grade view waterfront
INPUT	NOMINAL	4	OPT_yr_built OPT_yr_renovated Sold_Year floors
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	id

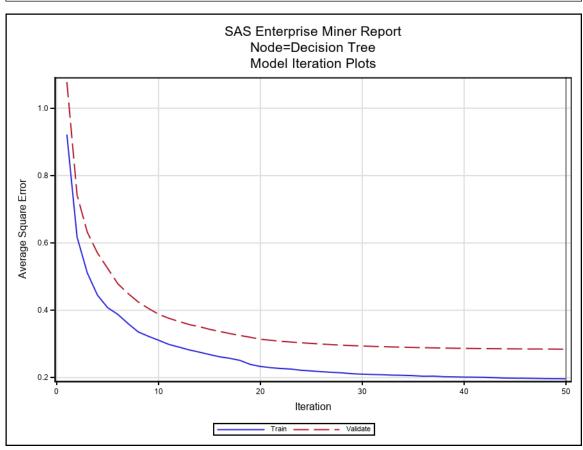
Node=Decision Tree Model Fit Statistics

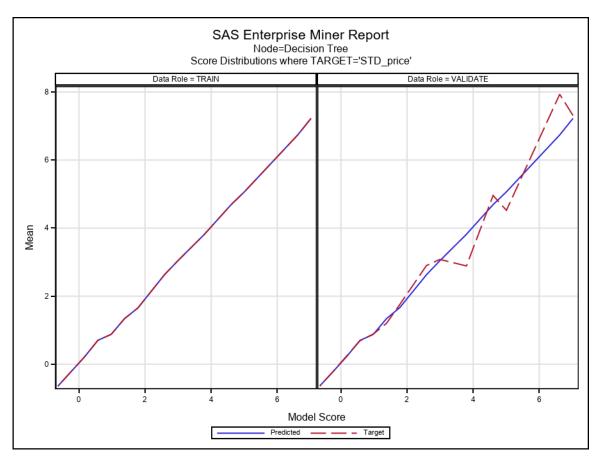
Target=STD_price Target Label=Transformed price

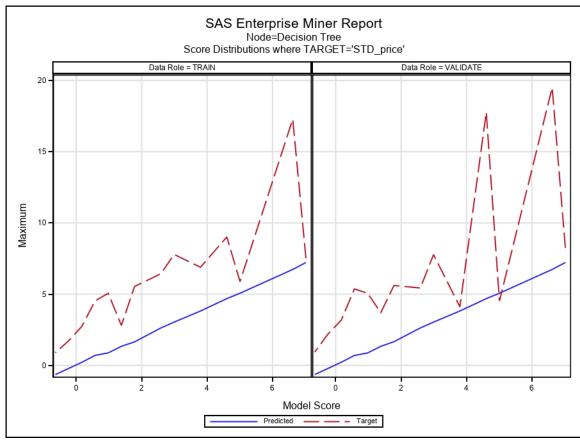
Label of Statistic	Train	Validation	Test
Sum of Frequencies	10807.00	10806.00	
Maximum Absolute Error	10.55	13.08	
Sum of Squared Errors	2124.22	3075.14	
Average Squared Error	0.20	0.28	
Root Average Squared Error	0.44	0.53	
Divisor for ASE	10807.00	10806.00	
Total Degrees of Freedom	10807.00		











Node=Decision Tree Score Distributions

Target Variable=STD_price Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6.820 - 7.223	7.22251	7.22251	7.22251	7.22251	7.5176	6.90472
6.417 - 6.820	6.73570	6.73570	6.73570	6.73570	17.2826	2.58742
4.805 - 5.208	5.06612	5.06612	5.06612	5.06612	5.8833	3.97658
4.402 - 4.805	4.68794	4.68794	4.68794	4.68794	9.0157	0.84415
3.596 - 3.999	3.81887	3.81887	3.81887	3.81887	6.8911	1.25273
2.790 - 3.193	3.03949	3.03952	3.03948	3.03949	7.7900	-0.13643
2.387 - 2.790	2.63041	2.63041	2.63041	2.63041	6.4362	1.10973
1.581 - 1.984	1.65276	1.91213	1.58530	1.65276	5.5428	-0.06834
1.178 - 1.581	1.34092	1.34092	1.34092	1.34092	2.8053	-0.10919
0.775 - 1.178	0.87874	1.09044	0.77852	0.87874	5.0661	-0.52976
0.372 - 0.775	0.70340	0.76847	0.51249	0.70340	4.5214	-0.54501
-0.031 - 0.372	0.21802	0.33803	-0.02836	0.21802	2.7372	-0.84463
-0.4340.031	-0.21167	-0.10503	-0.28967	-0.21167	1.7294	-1.07616
-0.8370.434	-0.64213	-0.43930	-0.83730	-0.64213	0.8959	-1.26683

Target Variable=STD_price Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6.820 - 7.223	7.22251	7.22251	7.22251	7.30990	8.2449	6.01947
6.417 - 6.820	6.73570	6.73570	6.73570	7.93084	19.5025	2.50570
4.805 - 5.208	5.06612	5.06612	5.06612	4.52135	4.5214	4.52135
4.402 - 4.805	4.68794	4.68794	4.68794	4.95891	17.7661	0.75835
3.596 - 3.999	3.81887	3.81887	3.81887	2.88772	4.1128	1.77026
2.790 - 3.193	3.03949	3.03952	3.03948	3.07949	7.7764	0.16319
2.387 - 2.790	2.63041	2.63041	2.63041	2.89997	5.4338	0.65348
1.581 - 1.984	1.66522	1.91213	1.58530	1.75825	5.6109	0.02700
1.178 - 1.581	1.34092	1.34092	1.34092	1.20351	3.7015	-0.43606
0.775 - 1.178	0.87524	1.09044	0.77852	0.88482	5.0661	-0.72213
0.372 - 0.775	0.69875	0.76847	0.51249	0.68866	5.3657	-0.49870
-0.031 - 0.372	0.22265	0.33803	-0.02836	0.23998	3.1730	-0.76292
-0.4340.031	-0.21103	-0.10503	-0.28967	-0.20920	2.2061	-1.25321
-0.8370.434	-0.63310	-0.43930	-0.83730	-0.63605	0.9531	-1.25866

Node=Standalone Neural network Summary

Node id = Neural2 Node label = Standalone Neural network Meta path = Ids => Trans2 => Trans3 => Part => Neural2 Notes =

Node=Standalone Neural network Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	NeuralNetwork		Hidden	3		Prelim	Υ	
AbsConvValue	-1.34078E154	-7.237006E75	HiddenActivation	DEFAULT		PrelimMaxTime	1 HOUR	
AbsFTime	1		HiddenBias	Υ		PrelimMaxiter	10	
AbsFValue	0		HiddenCombFunction	DEFAULT		PrelimOutest		
AbsGTime	1		HiddenUnits	N		PreliminaryRuns	5	
AbsGValue	0.00001		InitialDs			RandDist	NORMAL	
AbsXTime	1		InitialSeed	12345		RandLoc	0	
AbsXValue	1E-8		InputStandardization	STD		RandScale	0.1	
Accelerate	1.2		Learn	0.1		Residuals	Υ	
AddHidden	Υ		MaxLearn	50		Standardizations	N	
CodefileNoRes			MaxMomentum	1.75		SuppressOutput	N	
CodefileRes			Maxiter	50		TargetActivation	DEFAULT	
ConvDefaults	Υ		Maxtime	4 HOURS		TargetBias	Υ	
Decelerate	0.5		MinLearn	0.00001		TargetCombFunction	DEFAULT	
DirectConnection	N		ModelSelectionCriterion	AVERAGE ERROR	PROFIT/LOSS	TargetError	DEFAULT	
FConvTime	1		Momentum	0		Tilt	0	
FConvValue	0		NetworkArchitecture	MLP		TrainCode		
GConvTime	1		Outest			TrainingTechnique	DEFAULT	
GConvValue	1E-6		Outfit			UseEstimates	N	

Node=Standalone Neural network Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	STD_price
INPUT	INTERVAL	16	AGE_AGE_RNV Bathroom_Rounded STD_lat STD_long STD_sqft_above STD_sqft_basement STD_sqft_living STD_sqft_living15 STD_sqft_lot STD_sqft_lot15 bedrooms condition grade view waterfront
INPUT	NOMINAL	4	OPT_yr_built OPT_yr_renovated Sold_Year floors

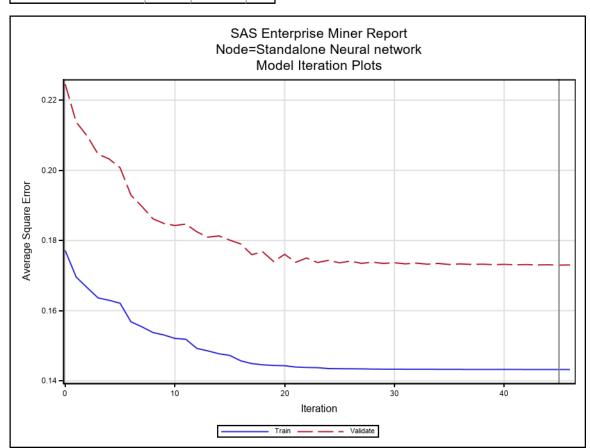
Node=Standalone Neural network Model Fit Statistics

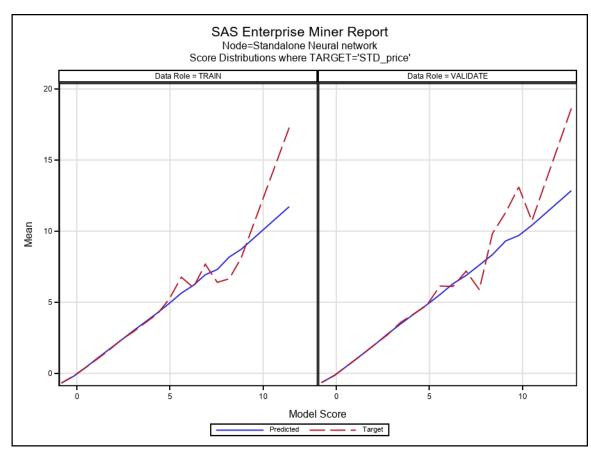
Target=STD_price Target Label=Transformed price

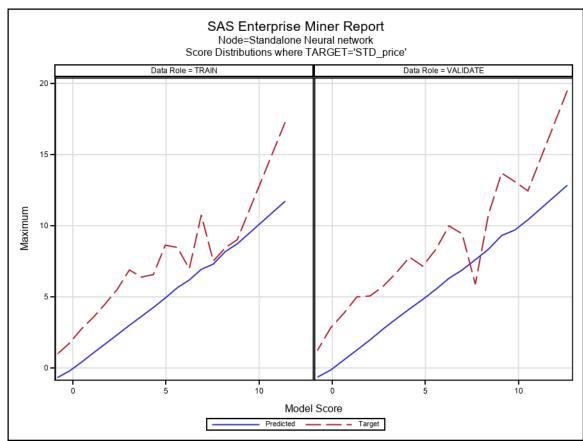
Label of Statistic	Train	Validation	Test
Total Degrees of Freedom	10807.00		
Degrees of Freedom for Error	10722.00		
Model Degrees of Freedom	85.00		
Number of Estimated Weights	85.00		
Akaike's Information Criterion	-20832.35		

Target=STD_price Target Label=Transformed price

Label of Statistic	Train	Validation	Test
Schwarz's Bayesian Criterion	-20212.88		
Average Squared Error	0.14	0.17	
Maximum Absolute Error	5.56	6.78	
Divisor for ASE	10807.00	10806.00	
Sum of Frequencies	10807.00	10806.00	
Root Average Squared Error	0.38	0.42	
Sum of Squared Errors	1547.73	1869.15	
Sum of Case Weights Times Freq	10807.00	10806.00	
Final Prediction Error	0.15		
Mean Squared Error	0.14	0.17	
Root Final Prediction Error	0.38		
Root Mean Squared Error	0.38	0.42	
Average Error Function	0.14	0.17	
Error Function	1547.73	1869.15	







Node=Standalone Neural network Score Distributions

Target Variable=STD_price Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
11.077 - 11.721	11.7208	11.7208	11.7208	17.2826	17.2826	17.2826
8.503 - 9.147	8.7249	8.8043	8.6454	8.1305	9.0157	7.2452
7.860 - 8.503	8.1810	8.3387	7.8811	6.6495	8.4462	5.1070
7.217 - 7.860	7.3019	7.3205	7.2832	6.3994	7.5176	5.2813
6.573 - 7.217	6.9339	7.2131	6.6247	7.6710	10.7562	4.7393
5.930 - 6.573	6.1844	6.3851	6.0202	6.0385	6.9728	4.7937
5.286 - 5.930	5.6412	5.8403	5.3105	6.7617	8.4709	4.6031
4.643 - 5.286	4.9227	5.2837	4.6577	5.2374	8.6344	2.2249
3.999 - 4.643	4.2509	4.5852	4.0022	4.1752	6.5642	2.4104
3.356 - 3.999	3.6196	3.9980	3.3697	3.5620	6.3872	1.1438
2.712 - 3.356	2.9964	3.3142	2.7126	2.9245	6.8911	1.1710
2.069 - 2.712	2.3421	2.7041	2.0704	2.3603	5.5428	-0.1364
1.425 - 2.069	1.7017	2.0653	1.4279	1.6531	4.5214	0.1496
0.782 - 1.425	1.0613	1.4253	0.7836	1.0131	3.5680	-0.5298
0.138 - 0.782	0.4011	0.7805	0.1387	0.3934	2.7372	-0.6485
-0.505 - 0.138	-0.2154	0.1381	-0.5050	-0.1936	1.7430	-1.1170
-1.1490.505	-0.6745	-0.5051	-1.1485	-0.6853	0.9872	-1.2668

Target Variable=STD_price Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
12.266 - 12.972	12.8484	12.9724	12.7244	18.6343	19.5025	17.7661
10.149 - 10.855	10.4127	10.5764	10.2100	10.7216	12.4499	8.4709
9.443 - 10.149	9.6927	9.6927	9.6927	13.1015	13.1015	13.1015
8.737 - 9.443	9.3092	9.4230	9.1842	11.3037	13.7007	7.2452
8.031 - 8.737	8.3459	8.4923	8.1995	9.8329	10.7862	8.8795
7.325 - 8.031	7.6100	7.6100	7.6100	5.8833	5.8833	5.8833
6.619 - 7.325	6.8844	7.2525	6.6195	7.1883	9.4243	5.5401
5.913 - 6.619	6.3043	6.6014	6.0416	6.1121	9.9908	0.9803
5.207 - 5.913	5.5293	5.8925	5.2720	6.1394	8.3347	2.8326
4.501 - 5.207	4.8152	5.1964	4.5355	4.7776	7.1601	3.0913
3.795 - 4.501	4.1500	4.5003	3.8326	4.1679	7.7900	1.2500
3.089 - 3.795	3.4613	3.7483	3.0907	3.5718	6.7004	1.3344
2.383 - 3.089	2.7486	3.0828	2.4030	2.6951	5.7471	0.7761
1.677 - 2.383	1.9760	2.3793	1.6771	1.9939	5.0661	-0.1664
0.971 - 1.677	1.2650	1.6757	0.9716	1.2458	4.9980	-0.6948
0.265 - 0.971	0.5591	0.9706	0.2651	0.5559	3.8404	-0.6676
-0.441 - 0.265	-0.1468	0.2649	-0.4409	-0.1310	2.8189	-1.1306
-1.1470.441	-0.6447	-0.4418	-1.1470	-0.6528	1.2391	-1.2587

Node=Model Comparison Summary

Node id = MdlComp Node label = Model Comparison Meta path = Ids => Trans2 => Trans3 => Part => Reg => Neural => MdlComp Notes =

Node=Model Comparison Properties

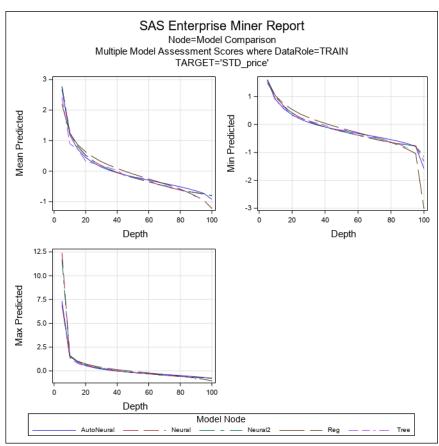
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModelCompare		NumberOfReportedLevels	1E-6		SelectionData	DEFAULT	
AssessAllTargetLevels	N		NumberofBins	20		SelectionDepth	10	
DecileBin	20		ProfitEpsilon	1E-6		SelectionTable	TRAIN	TABLE
HPCriteria	DEFAULT		RecomputeAssess	N		StatisticUsed	_VASE_	
LiftEpsilon	1E-6		RocChart	Υ		TargetLabel	Transformed price	
ModelCriteria	Valid: Average Squared Error		RocEpsilon	0.01		TargetName	STD_price	
ModelDescription	Neural Network		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
Modelld	Neural		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Υ		SelectionCriteria	DEFAULT				

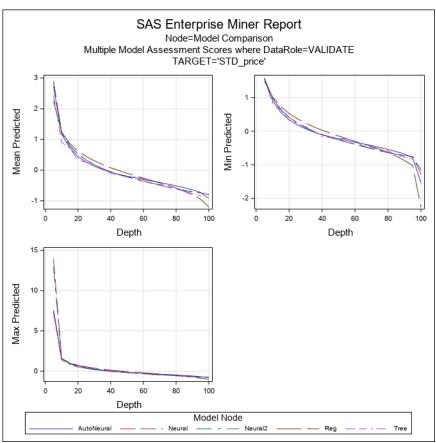
Node=Model Comparison Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	STD_price

Node=Model Comparison Fit Statistics Table

Selected Model	Predecessor Node	Model Node	Model Description	Target	Target Label	Selection Criterion: Valid: Average Squared Error	Train: Average Squared Error
Υ	Neural	Neural	Neural Network	STD_price	Transformed price	0.17063	0.14447
	Neural2	Neural2	Standalone Neural network	STD_price	Transformed price	0.17297	0.14322
	AutoNeural	AutoNeural	AutoNeural	STD_price	Transformed price	0.26266	0.22191
	Tree	Tree	Decision Tree	STD_price	Transformed price	0.28458	0.19656
	Reg	Reg	Regression	STD_price	Transformed price	0.32862	0.27475





Node=Neural Network Summary

Node id = Neural Node label = Neural Network Meta path = lds => Trans2 => Trans3 => Part => Reg => Neural Notes =

Node=Neural Network Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	NeuralNetwork		Hidden	3		Prelim	Υ	
AbsConvValue	-1.34078E154	-7.237006E75	HiddenActivation	DEFAULT		PrelimMaxTime	1 HOUR	
AbsFTime	1		HiddenBias	Υ		PrelimMaxiter	10	
AbsFValue	0		HiddenCombFunction	DEFAULT		PrelimOutest		
AbsGTime	1		HiddenUnits	N		PreliminaryRuns	5	
AbsGValue	0.00001		InitialDs			RandDist	NORMAL	
AbsXTime	1		InitialSeed	12345		RandLoc	0	
AbsXValue	1E-8		InputStandardization	STD		RandScale	0.1	
Accelerate	1.2		Learn	0.1		Residuals	Υ	
AddHidden	Υ		MaxLearn	50		Standardizations	N	
CodefileNoRes			MaxMomentum	1.75		SuppressOutput	N	
CodefileRes			Maxiter	50		TargetActivation	DEFAULT	
ConvDefaults	Υ		Maxtime	4 HOURS		TargetBias	Υ	
Decelerate	0.5		MinLearn	0.00001		TargetCombFunction	DEFAULT	
DirectConnection	N		ModelSelectionCriterion	AVERAGE ERROR	PROFIT/LOSS	TargetError	DEFAULT	
FConvTime	1		Momentum	0		Tilt	0	
FConvValue	0		NetworkArchitecture	MLP		TrainCode		
GConvTime	1		Outest			TrainingTechnique	DEFAULT	
GConvValue	1E-6		Outfit			UseEstimates	N	

Node=Neural Network Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	STD_price
INPUT	INTERVAL	13	AGE AGE_RNV STD_lat STD_long STD_sqft_basement STD_sqft_living STD_sqft_living15 STD_sqft_lot15 bedrooms condition grade view waterfront
INPUT	NOMINAL	4	OPT_yr_built OPT_yr_renovated Sold_Year floors

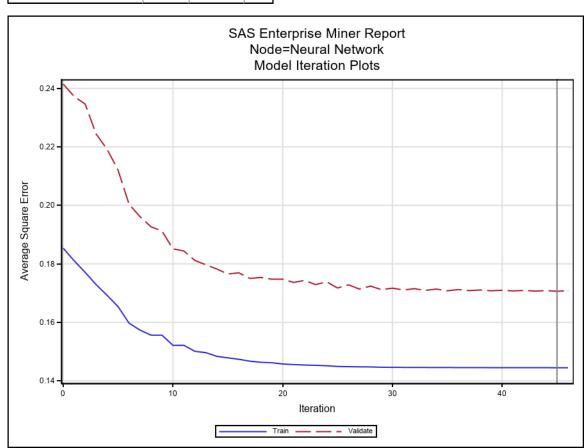
Node=Neural Network Model Fit Statistics

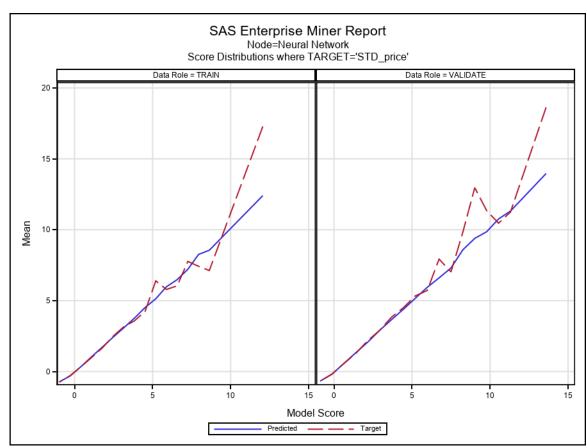
Target=STD_price Target Label=Transformed price

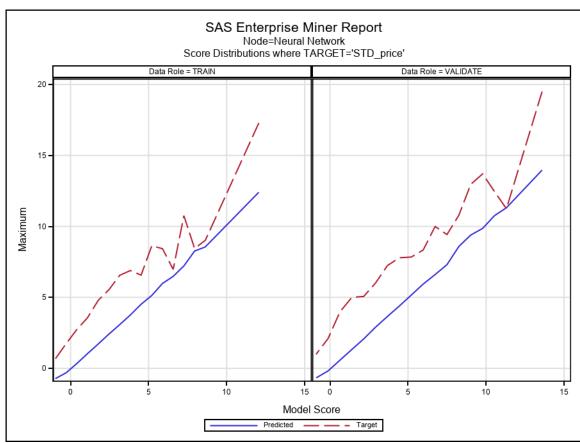
Label of Statistic	Train	Validation	Test
Total Degrees of Freedom	10807.00		
Degrees of Freedom for Error	10731.00		
Model Degrees of Freedom	76.00		
Number of Estimated Weights	76.00		
Akaike's Information Criterion	-20755.97		

Target=STD_price Target Label=Transformed price

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Label of Statistic	Train	Validation	Test
Schwarz's Bayesian Criterion	-20202.09		
Average Squared Error	0.14	0.17	
Maximum Absolute Error	4.88	5.54	
Divisor for ASE	10807.00	10806.00	
Sum of Frequencies	10807.00	10806.00	
Root Average Squared Error	0.38	0.41	
Sum of Squared Errors	1561.31	1843.78	
Sum of Case Weights Times Freq	10807.00	10806.00	
Final Prediction Error	0.15		
Mean Squared Error	0.15	0.17	
Root Final Prediction Error	0.38		
Root Mean Squared Error	0.38	0.41	
Average Error Function	0.14	0.17	
Error Function	1561.31	1843.78	







Node=Neural Network Score Distributions

Target Variable=STD_price Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
11.719 - 12.404	12.4045	12.4045	12.4045	17.2826	17.2826	17.2826
8.290 - 8.975	8.5545	8.6720	8.3317	7.1226	9.0157	5.1070
7.604 - 8.290	8.2614	8.2879	8.2350	7.4208	8.4462	6.3954
6.918 - 7.604	7.2142	7.3265	7.1334	7.7682	10.7562	5.2813
6.232 - 6.918	6.4802	6.8436	6.2558	6.0467	6.9728	4.7393
5.546 - 6.232	5.9806	6.2281	5.5834	5.7879	8.4301	4.3171
4.860 - 5.546	5.1330	5.4581	4.8641	6.3948	8.6344	3.3229
4.175 - 4.860	4.5124	4.8572	4.1877	4.2429	6.5642	2.2249
3.489 - 4.175	3.7608	4.1641	3.4956	3.5697	6.8911	1.7430
2.803 - 3.489	3.0762	3.4731	2.8034	3.1511	6.5506	1.1438
2.117 - 2.803	2.4153	2.7940	2.1185	2.4790	5.5428	-0.1364
1.431 - 2.117	1.7185	2.1167	1.4319	1.6593	4.7937	-0.5298
0.746 - 1.431	1.0398	1.4310	0.7458	0.9863	3.5680	-0.2454
0.060 - 0.746	0.3398	0.7447	0.0601	0.3328	2.7372	-0.7902
-0.626 - 0.060	-0.3122	0.0593	-0.6261	-0.2894	1.7430	-1.2260
-1.3120.626	-0.7212	-0.6262	-1.3119	-0.7433	0.6807	-1.2668

Target Variable=STD_price Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
13.211 - 13.973	13.9661	13.9733	13.9590	18.6343	19.5025	17.7661
10.925 - 11.687	11.3138	11.3138	11.3138	11.2438	11.2438	11.2438
10.163 - 10.925	10.7606	10.8727	10.6485	10.4604	12.4499	8.4709
9.401 - 10.163	9.8595	10.0627	9.6053	11.3491	13.7007	7.2452
8.639 - 9.401	9.3909	9.3909	9.3909	12.9653	12.9653	12.9653
7.876 - 8.639	8.5858	8.6248	8.5468	9.8329	10.7862	8.8795
7.114 - 7.876	7.3028	7.6220	7.1481	7.0246	9.4243	5.5401
6.352 - 7.114	6.6041	6.9373	6.4267	7.9305	9.9908	6.5642
5.590 - 6.352	5.9374	6.3443	5.6373	5.7137	8.3347	0.9803
4.828 - 5.590	5.1640	5.4879	4.8615	5.3333	7.8412	3.1050
4.066 - 4.828	4.3932	4.7794	4.0727	4.5030	7.7900	2.0890
3.304 - 4.066	3.6582	4.0108	3.3103	3.8324	7.2452	1.5248
2.542 - 3.304	2.9022	3.2962	2.5443	2.9024	6.0195	0.7761
1.780 - 2.542	2.0729	2.5261	1.7813	2.1779	5.0661	0.3675
1.018 - 1.780	1.3269	1.7789	1.0201	1.2795	4.9980	-0.2045
0.255 - 1.018	0.5738	1.0176	0.2559	0.5709	3.9766	-0.6948
-0.507 - 0.255	-0.1860	0.2552	-0.5064	-0.1728	2.0958	-1.1306
-1.2690.507	-0.6721	-0.5066	-1.2687	-0.6803	0.9940	-1.2587

Node=AutoNeural Summary

Node id = AutoNeural Node label = AutoNeural Meta path = lds => Trans2 => Trans3 => Part => AutoNeural Notes =

Node=AutoNeural Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	AutoNeural		HistoryDs			Tanh	Υ	
AdjustIterations	Υ		Identity	N		TargetError	DEFAULT	
Architecture	SINGLE LAYER		Logistic	N		Termination	OVERFITTING	
Bestds			MaxIter	8		Tolerance	LOW	MEDIUM
Direct	N	Υ	Normal	N	Υ	TotalHidden	5	30
Exponential	N		Reciprocal	N		TotalTime	1 HOUR	1 Hour
FinalIter	5		Residuals	Υ		TrainAction	SEARCH	
FinalTrain	Υ		Sine	Υ		estds		
Freeze	N		Softmax	N		outfit		
Hidden	2		Square	N		weights		
HiddenUnits	N		Standardizations	N				

Node=AutoNeural Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	STD_price
INPUT	INTERVAL	16	AGE_AGE_RNV Bathroom_Rounded STD_lat STD_long STD_sqft_above STD_sqft_basement STD_sqft_living STD_sqft_living15 STD_sqft_lot STD_sqft_lot15 bedrooms condition grade view waterfront
INPUT	NOMINAL	4	OPT_yr_built OPT_yr_renovated Sold_Year floors

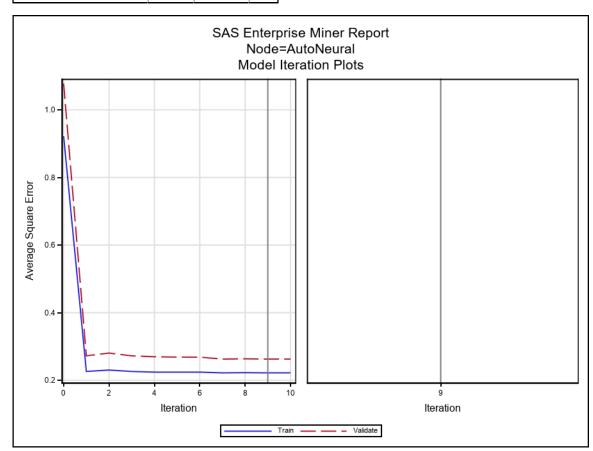
Node=AutoNeural Model Fit Statistics

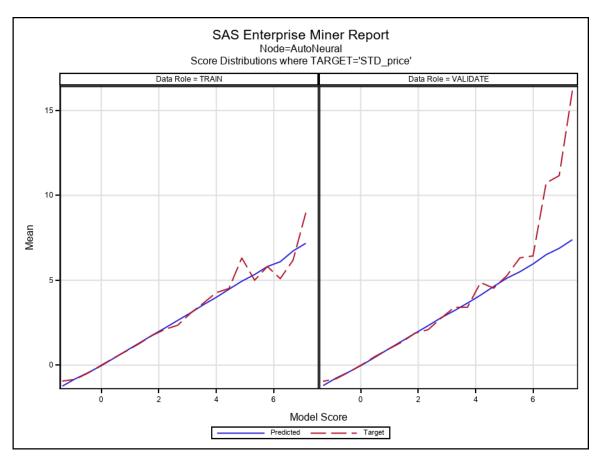
Target=STD_price Target Label=Transformed price

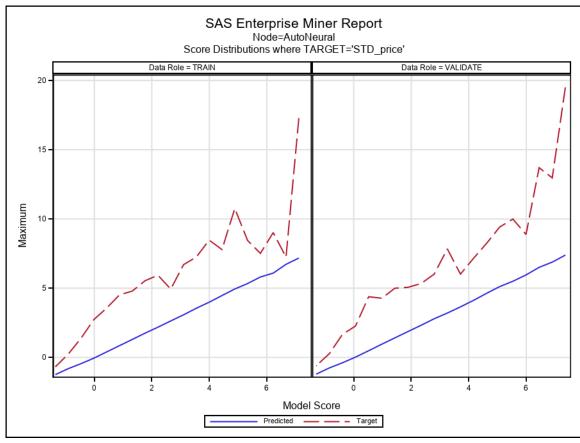
Label of Statistic	Train	Validation	Test
Total Degrees of Freedom	10807.00		
Degrees of Freedom for Error	10638.00		
Model Degrees of Freedom	169.00		
Number of Estimated Weights	169.00		
Akaike's Information Criterion	-15931.61		
Schwarz's Bayesian Criterion	-14699.95		
Average Squared Error	0.22	0.26	
Maximum Absolute Error	10.12	11.92	
Divisor for ASE	10807.00	10806.00	
Sum of Frequencies	10807.00	10806.00	
Root Average Squared Error	0.47	0.51	
Sum of Squared Errors	2398.21	2838.30	
Sum of Case Weights Times Freq	10807.00	10806.00	

Target=STD_price Target Label=Transformed price

Label of Statistic	Train	Validation	Test
Final Prediction Error	0.23		
Mean Squared Error	0.23	0.26	
Root Final Prediction Error	0.48		
Root Mean Squared Error	0.47	0.51	
Average Error Function	0.22	0.26	
Error Function	2398.21	2838.30	







Node=AutoNeural Score Distributions

Target Variable=STD_price Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6.890 - 7.335	7.17948	7.33533	7.02685	8.98370	17.2826	4.73926
6.444 - 6.890	6.72417	6.81864	6.62969	6.17609	7.2452	5.10698
5.999 - 6.444	6.09061	6.18538	6.00888	5.09554	9.0157	3.10495
5.554 - 5.999	5.81074	5.93065	5.72046	5.80974	7.5176	3.81315
5.108 - 5.554	5.33663	5.52118	5.14766	5.00421	8.4462	2.68275
4.663 - 5.108	4.94373	5.09531	4.73474	6.31705	10.7562	3.32286
4.217 - 4.663	4.47092	4.65739	4.23225	4.51677	7.7900	0.70796
3.772 - 4.217	3.99050	4.19760	3.77888	4.26943	8.4709	2.20608
3.327 - 3.772	3.55567	3.76801	3.34780	3.65222	7.2561	1.23911
2.881 - 3.327	3.07972	3.32449	2.88373	3.06122	6.7004	0.54453
2.436 - 2.881	2.63666	2.88014	2.43967	2.35130	4.9353	-0.13643
1.990 - 2.436	2.18608	2.42949	1.99446	2.10749	5.9378	-0.00024
1.545 - 1.990	1.75817	1.99008	1.54865	1.74553	5.5428	-0.10102
1.099 - 1.545	1.30201	1.54392	1.10073	1.26916	4.7937	-0.52976
0.654 - 1.099	0.85434	1.09944	0.65443	0.83218	4.5214	-0.48236
0.209 - 0.654	0.40205	0.65390	0.20941	0.42134	3.5680	-0.77109
-0.237 - 0.209	-0.04916	0.20862	-0.23648	-0.01907	2.7372	-1.03530
-0.6820.237	-0.44483	-0.23685	-0.68212	-0.46630	1.3944	-1.24504
-1.1280.682	-0.80736	-0.68222	-1.12669	-0.83560	0.2449	-1.26683
-1.5731.128	-1.23432	-1.12914	-1.57303	-0.93856	-0.6676	-1.13064

Target Variable=STD_price Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
7.131 - 7.587	7.39108	7.58744	7.27729	16.1708	19.5025	11.2438
6.675 - 7.131	6.88397	7.03406	6.79178	11.1681	12.9653	8.4709
6.219 - 6.675	6.50599	6.65710	6.37744	10.7317	13.7007	7.2452
5.763 - 6.219	5.96046	6.19076	5.79153	6.4349	8.8795	2.8326
5.307 - 5.763	5.50220	5.69553	5.31785	6.3218	9.9908	2.9892
4.851 - 5.307	5.12043	5.28421	4.90726	5.2653	9.4243	0.9803
4.395 - 4.851	4.63428	4.81338	4.43908	4.5354	8.2449	2.1380
3.939 - 4.395	4.12391	4.33580	3.94153	4.8661	7.1601	3.0913
3.483 - 3.939	3.65281	3.93518	3.51322	3.4098	6.0195	1.3889
3.027 - 3.483	3.20816	3.48121	3.02850	3.4031	7.8412	0.7216
2.571 - 3.027	2.79624	3.02662	2.57134	2.7729	6.0195	0.6262
2.115 - 2.571	2.32382	2.54917	2.12712	2.0876	5.3385	0.1632
1.659 - 2.115	1.87250	2.11339	1.65967	1.8827	5.0661	-0.4361
1.203 - 1.659	1.41382	1.65798	1.20367	1.3573	4.9980	-0.6948
0.747 - 1.203	0.95784	1.20295	0.74773	0.9496	4.2762	-0.7221
0.291 - 0.747	0.48692	0.74700	0.29180	0.5314	4.3852	-0.6812
-0.165 - 0.291	0.02705	0.29096	-0.16455	0.0517	2.2742	-0.8583
-0.6210.165	-0.38508	-0.16487	-0.62078	-0.3967	1.6613	-1.2532
-1.0770.621	-0.75689	-0.62089	-1.07441	-0.7999	0.2721	-1.2587
-1.5331.077	-1.20432	-1.07927	-1.53283	-0.9518	-0.5995	-1.2355

Node=Reporter Summary

Node id = Report Node label = Reporter Meta path = Notes =

Node=Reporter Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Reporter		LiftChart	Υ		basicoutput	Υ	
Classification	Υ		Nodes	ALL	PATH	headersize	8	
CompareMdl	Υ		ShowAll	N		textfont	Arial	
CrossTabs	Υ		Style	LISTING	DEFAULT	textsize	6	
FitStat	Υ		Summarization	Υ		titlesize	10	
Format	PDF		VarRanking	Υ				

End of Report