

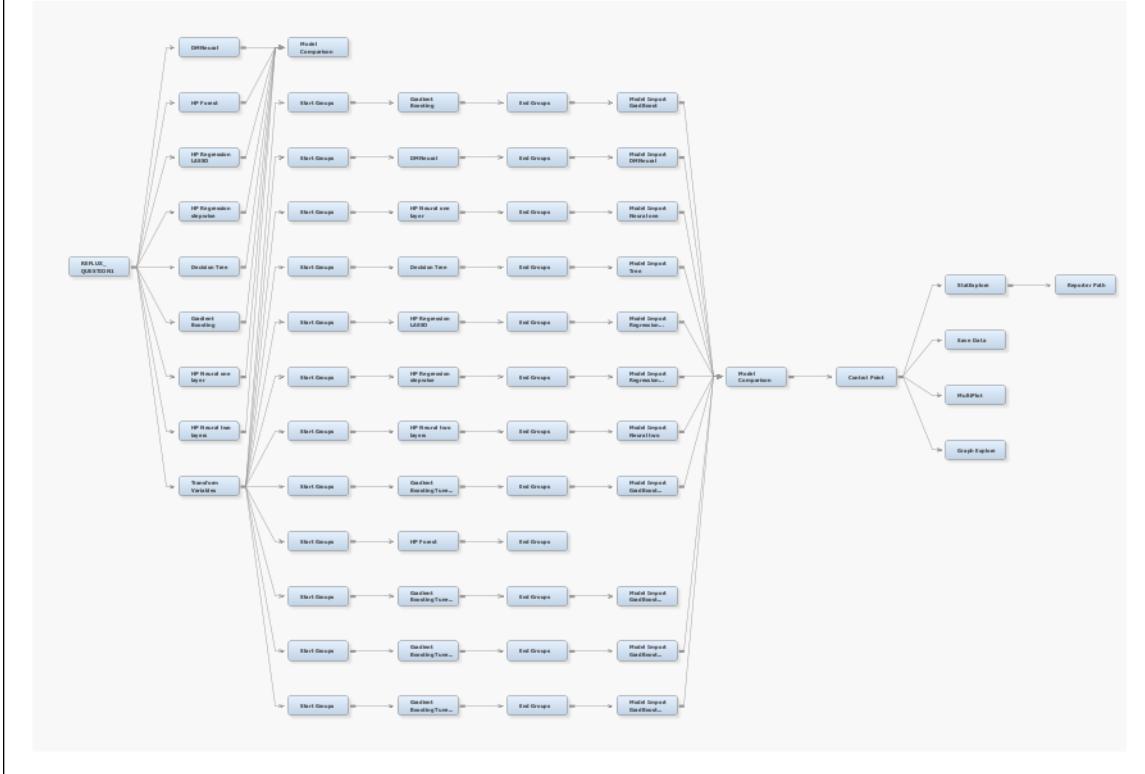
## SAS Enterprise Miner Report

User = u0027997  
 Date = 15:39:49 uur 16 februari 2022  
 Project = 1\_symptom\_severity\_custom  
 Diagram = kfold\_acid

Start Node = Report2  
 Node label = Reporter Path  
 Nodes = PATH  
 Showall = N

Format = PDF  
 Style = LISTING

**SAS Enterprise Miner Report**  
**Process Flow Diagram**



## SAS Enterprise Miner Report

### Node=REFLUX\_QUESTION1 Summary

Node id = lds  
 Node label = REFLUX\_QUESTION1  
 Meta path = lds  
 Notes =

### Node=REFLUX\_QUESTION1 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	u0027997		NBytes	410624	.
ApplyIntervalLevelLowerLimit	Y		DsId	refluxquestion		NCols	113	.
ApplyMaxClassLevels	Y		DsModifiedBy	u0027997		NObs	393	.
ApplyMaxPercentMissing	Y		DsModifyDate	1959522485.5		NewTable		
CMeta	WORK.M16ZEK8B		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Y		DsSampleSizeType			Role	RAW	TRAIN
Data	REFL_BAS.REFLUX_QUESTION1		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Y		SampleSizeObs	10000	
DataSource	refluxquestion		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	REFL_BAS		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Y		MaxPercentMissing	50		Segment		
DsCreateDate	1959522485.5		MetaAdvisor	BASIC		Table	REFLUX_QUESTION1	

### Node=REFLUX\_QUESTION1

#### Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	REFLUX_QUESTION1	Date Created	14/02/2022 13:27:17	Data Size	410624
Data Type	DATA	Date Modified	14/02/2022 13:27:17	Role	RAW
Data Label		Number Rows	393	Segment	
Engine	V9	Number Columns	113	Data Library	REFL_BAS

### Node=REFLUX\_QUESTION1

#### Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
REJECTED	BINARY	11	PTSD_cutoff_imp_IT SAP_HB_total_Recode SAP_atypical_total_Recode SAP_regurg_total_Recode SAP_sum_total SI_HB_total_Recode SI_atypical_total_Recode SI_regurg_total_Recode SI_sum_total gender_imp ...
REJECTED	INTERVAL	69	BAQ_note_change_imp_IT BAQ_onset_imp_IT BAQ_pred_react_imp_IT BAQ_sleep_imp_IT BC_CTQtot_imp_IT BC_RQ_Slaapstoornissen_imp_IT BC_RQ_Total BC_TOTAL_nr BC_tot_vol_exp_imp BMI_imp CIS_activ_imp_IT ...
REJECTED	NOMINAL	7	LSAScutoff_imp_IT OESOFAGITIS education_imp marital_status_imp occupation_imp pH_MII_ON_or_OFF_PPI pH_imp_other
INPUT	INTERVAL	22	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

## SAS Enterprise Miner Report

### Node=Transform Variables Summary

Node id = Trans  
 Node label = Transform Variables  
 Meta path = Ids => 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	Y		RejectVariable	Y	
DefaultTargetMethod	NONE		MaxOptimalBins	4		SummaryStatistics	Y	
EmRandomSeed	12345		MinOffset	Y		SummaryVariables	TRANSFORMED	
EmSampleMethod	FIRSTN		MissingAsLevel	N		UseMetaTransform	Y	

### Node=Transform Variables Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
REJECTED	BINARY	11	PTSD_cutoff_imp_IT SAP_HB_total_Recode SAP_atypical_total_Recode SAP_regurg_total_Recode SAP_sum_total SI_HB_total_Recode SI_atypical_total_Recode SI_regurg_total_Recode SI_sum_total gender_imp ...
REJECTED	INTERVAL	69	BAQ_note_change_imp_IT BAQ_onset_imp_IT BAQ_pred_react_imp_IT BAQ_sleep_imp_IT BC_CTQtot_imp_IT BC_RQ_Slaapstoornissen_imp_IT BC_RQ_Total BC_TOTAL_nr BC_tot_vol_exp_imp BMI_imp CIS_activ_imp_IT ...
REJECTED	NOMINAL	7	LSAScutoff_imp_IT OESOFAGITIS education_imp marital_status_imp occupation_imp pH_MII_ON_or_OFF_PPI pH_imp_other
INPUT	INTERVAL	22	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

### Node=Transform Variables Transformations Statistics

Source	Method	Variable Name	Formula	Number of Levels	Non Missing	Missing	Minimum	Maximum	Mean	Standard Deviation	Skewness	Kurtosis	Label
Output	Formula	_fold_	int((ranuni(0)*8)+1)	.	393	0	1	8	4.32824	2.28496	0.053236	-1.27802	

## SAS Enterprise Miner Report

### Node=Gradient Boosting Tuned 3 Summary

Node id = Boost5  
 Node label = Gradient Boosting Tuned 3  
 Meta path = Ids => Trans => Grp11 => Boost5  
 Notes =

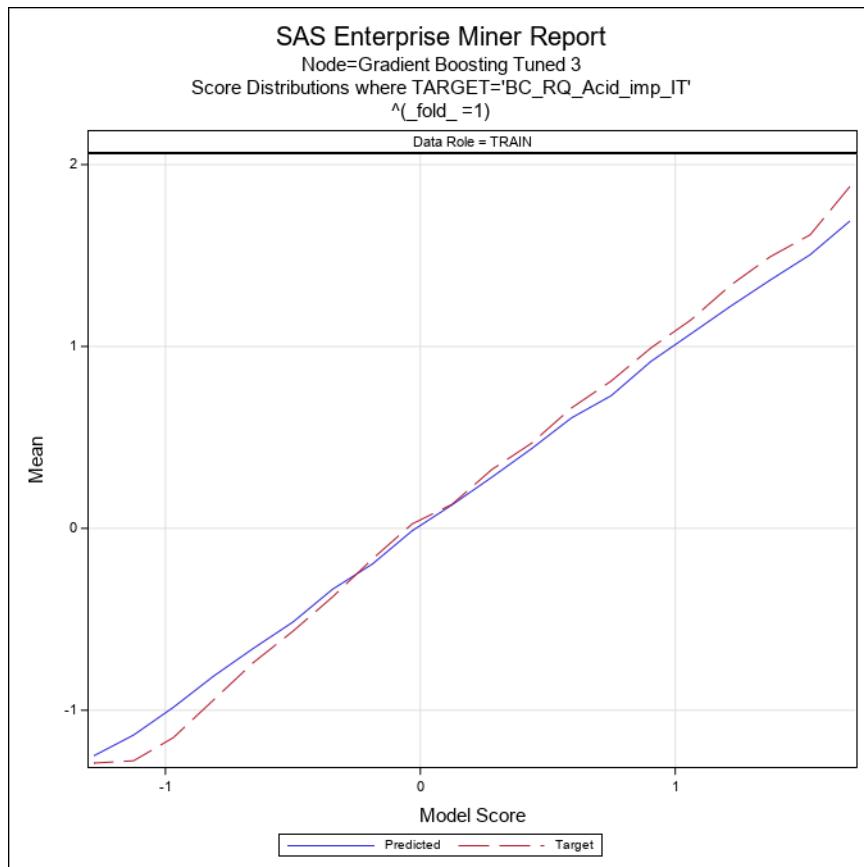
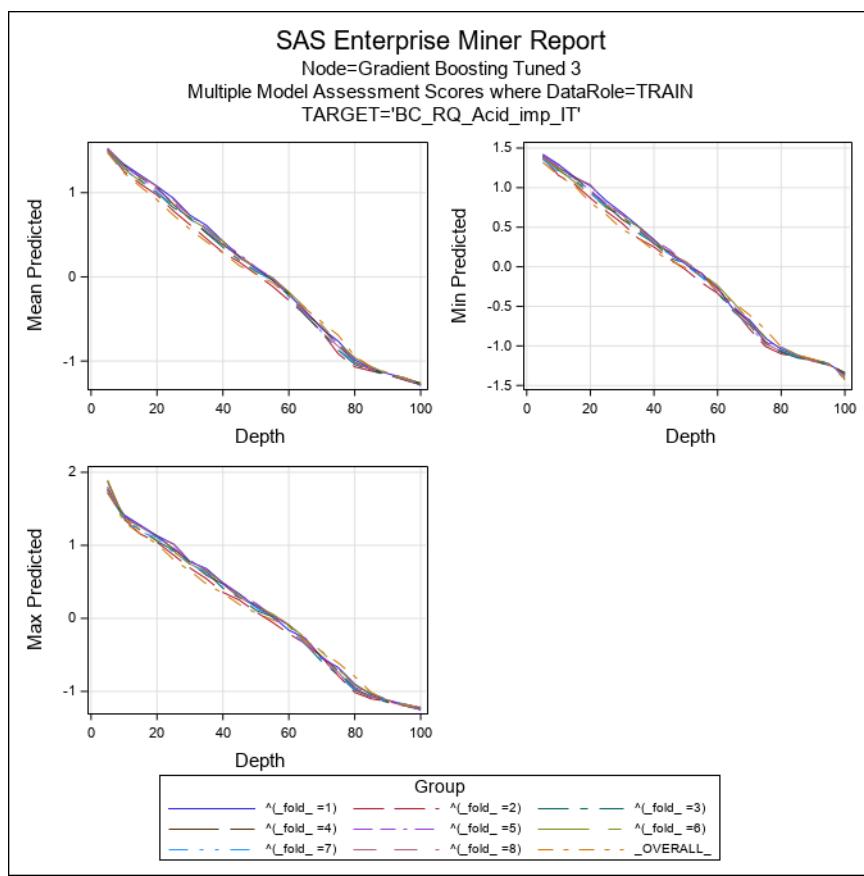
### Node=Gradient Boosting Tuned 3 Properties

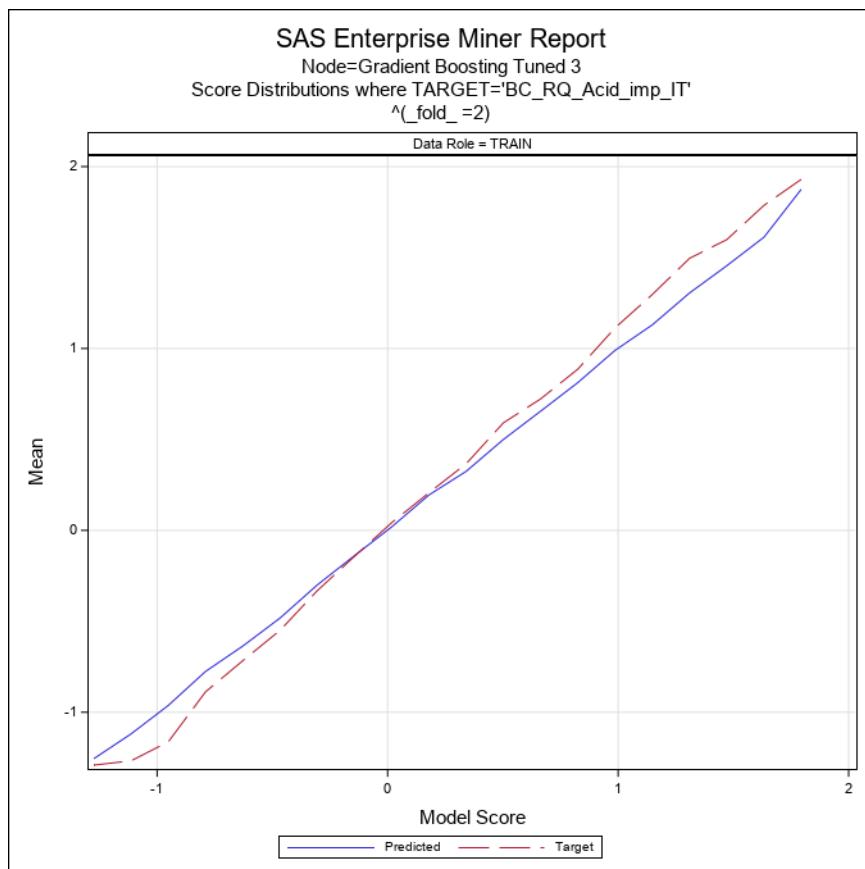
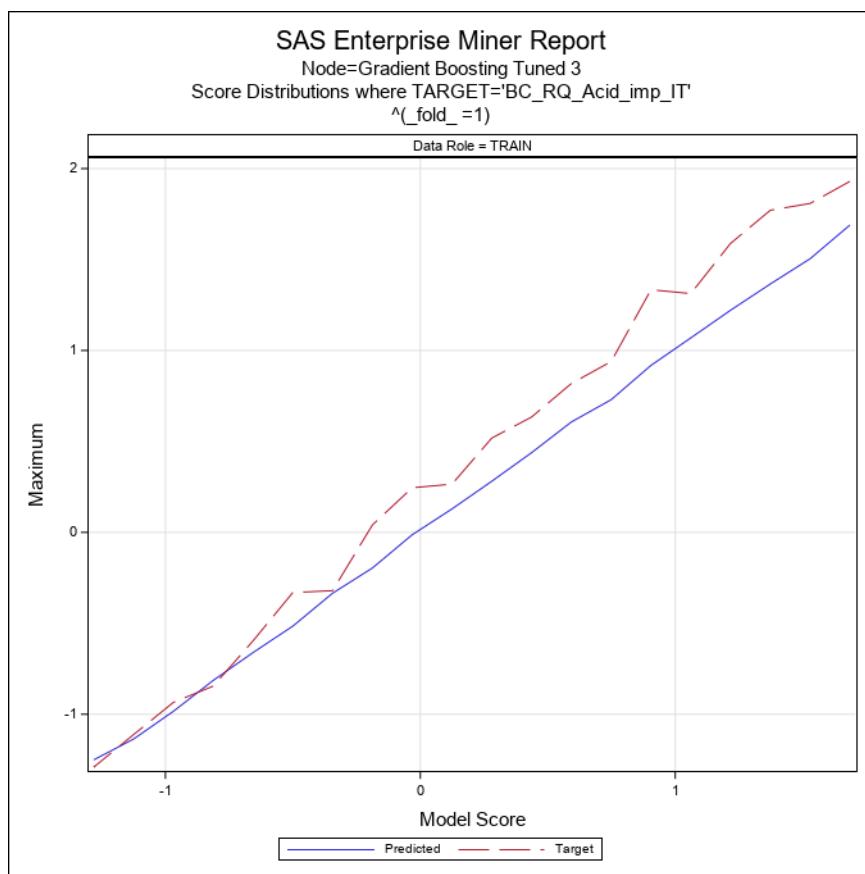
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Boost		MaxBranch	3	2	Performance	DISK	
AssessMeasure	PROFIT		MaxDepth	8	2	Precision	0	
CategoricalBins	30		Measure	PROFIT		ReUseVar	2	1
CreateHStat	Y	N	MinCatSize	5		Seed	12345	
Exhaustive	5000		Missing	USEINSEARCH		Shrinkage	0.1	
Huber	NO		NSurrs	0		SplitSize	.	
IntervalBins	100		NodeSize	20000		SubSeries	BEST	
IterationNum	1		NumPairImp	0		ToolType	MODEL	
Iterations	50		NumSingleImp	5		TrainProportion	60	
LeafFraction	0.001		ObsImportance	Y	N	VarSelection	N	Y

### Node=Gradient Boosting Tuned 3 Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

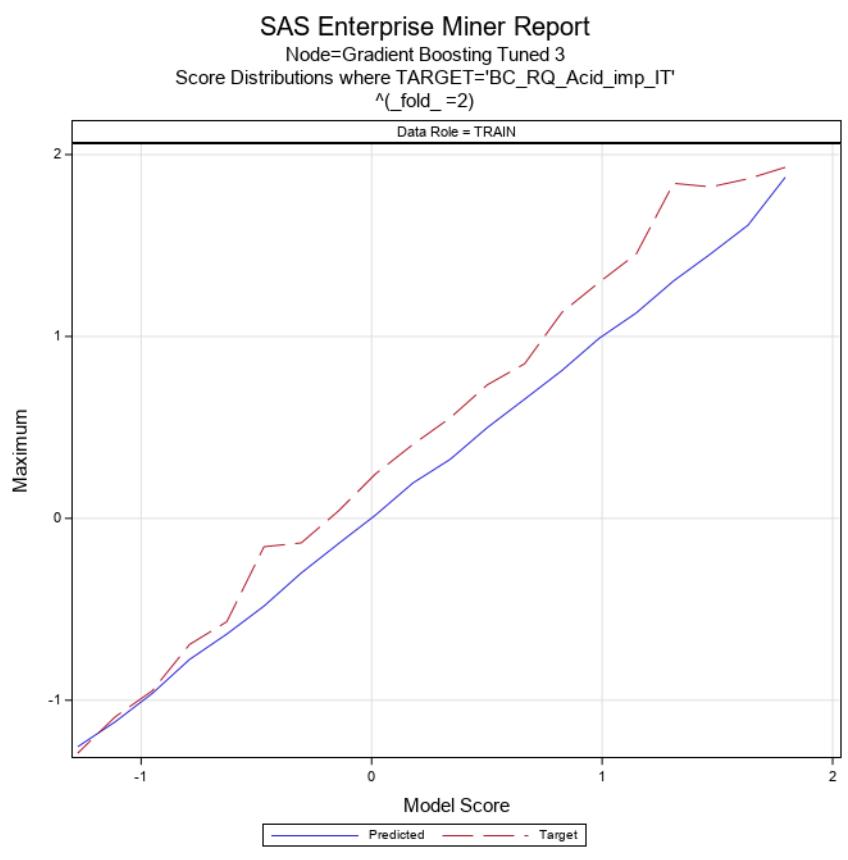
Group Index	Group	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Target Label
1	^(_fold_=1)	BC_RQ_Acid_imp_IT	341	341	0.38919	5.0313	0.01475	0.12147	341	341	ReQuest (acid subscale) (Box-Cox transformed)
2	^(_fold_=2)	BC_RQ_Acid_imp_IT	343	343	0.56242	6.9423	0.02024	0.14227	343	343	ReQuest (acid subscale) (Box-Cox transformed)
3	^(_fold_=3)	BC_RQ_Acid_imp_IT	345	345	0.43374	5.3529	0.01552	0.12456	345	345	ReQuest (acid subscale) (Box-Cox transformed)
4	^(_fold_=4)	BC_RQ_Acid_imp_IT	346	346	0.42528	5.1986	0.01502	0.12258	346	346	ReQuest (acid subscale) (Box-Cox transformed)
5	^(_fold_=5)	BC_RQ_Acid_imp_IT	336	336	0.35097	6.0041	0.01787	0.13368	336	336	ReQuest (acid subscale) (Box-Cox transformed)
6	^(_fold_=6)	BC_RQ_Acid_imp_IT	334	334	0.37485	6.0934	0.01824	0.13507	334	334	ReQuest (acid subscale) (Box-Cox transformed)
7	^(_fold_=7)	BC_RQ_Acid_imp_IT	347	347	0.43159	6.0529	0.01744	0.13207	347	347	ReQuest (acid subscale) (Box-Cox transformed)
8	^(_fold_=8)	BC_RQ_Acid_imp_IT	344	344	0.44863	5.6650	0.01647	0.12833	344	344	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	393	.	2.63732	72.4223	0.18428	0.42928	393	.	ReQuest (acid subscale) (Box-Cox transformed)





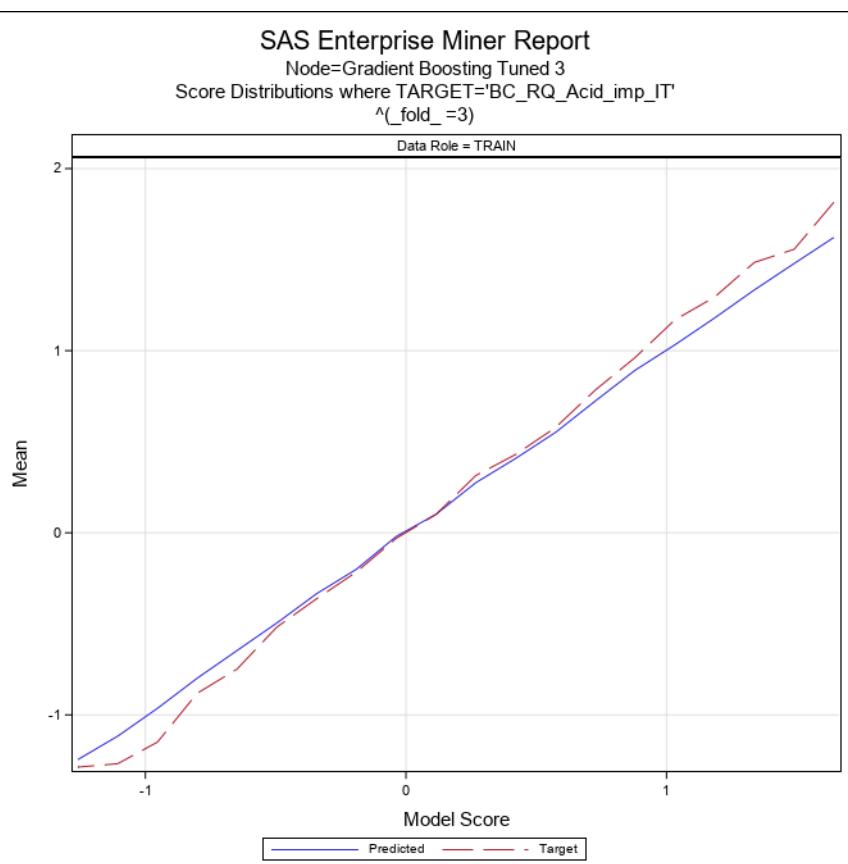
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}2)$



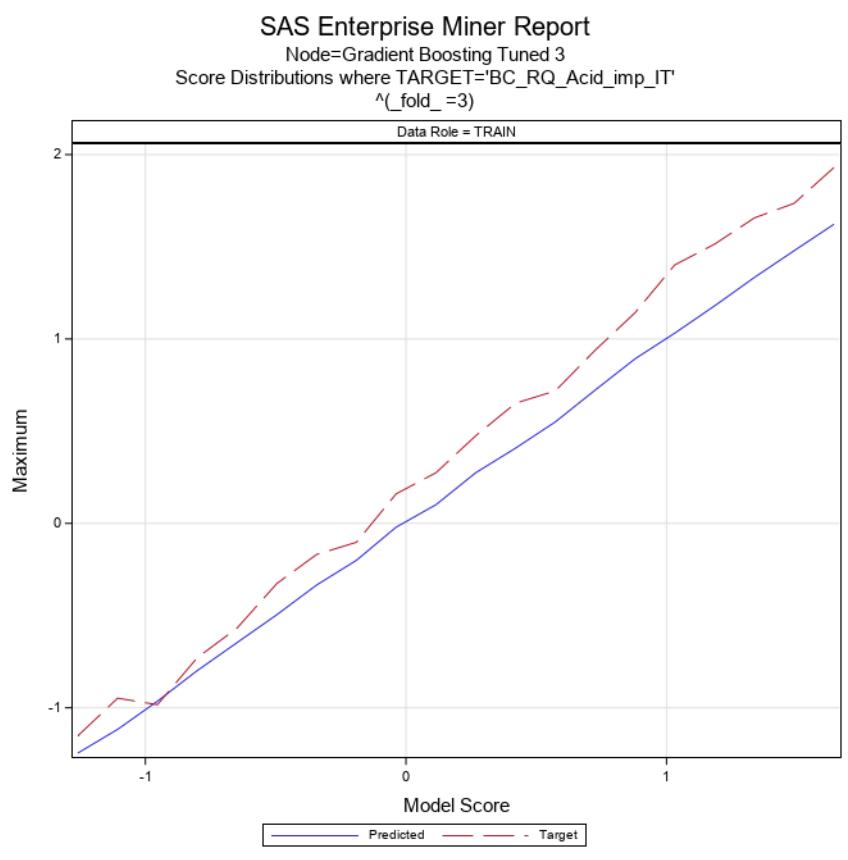
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}3)$



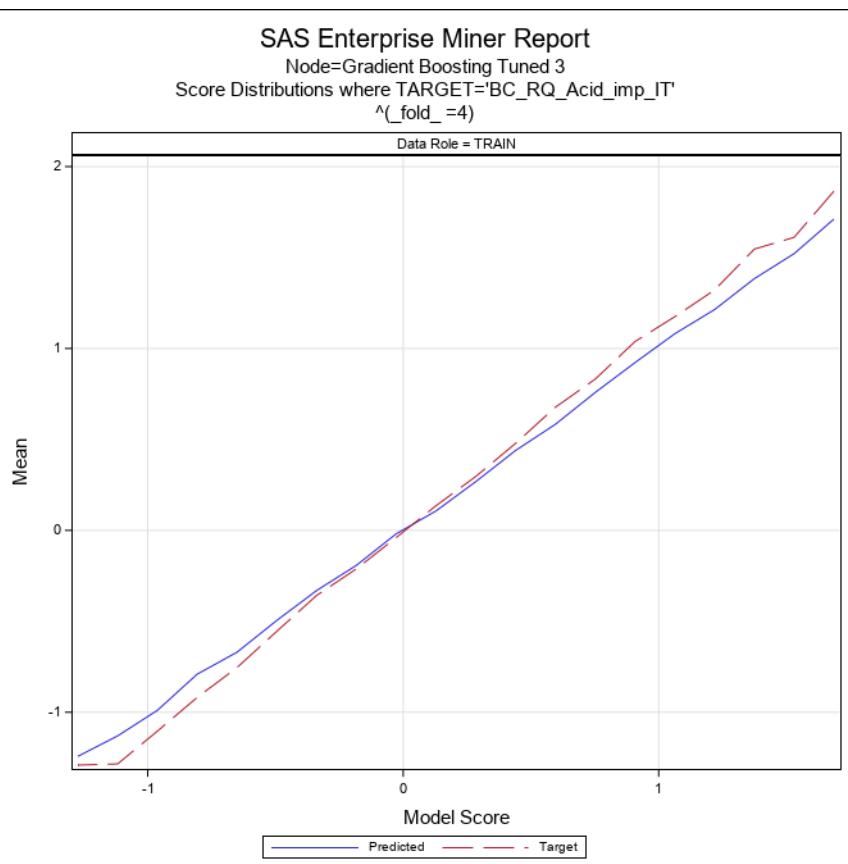
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold\_} = 3)$



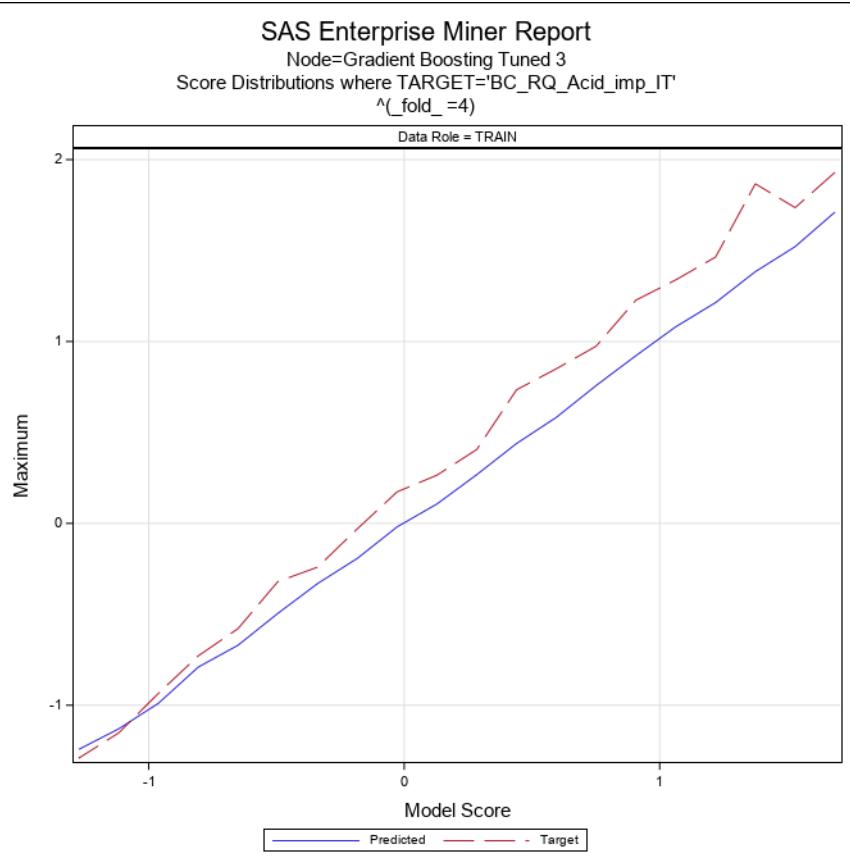
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold\_} = 4)$

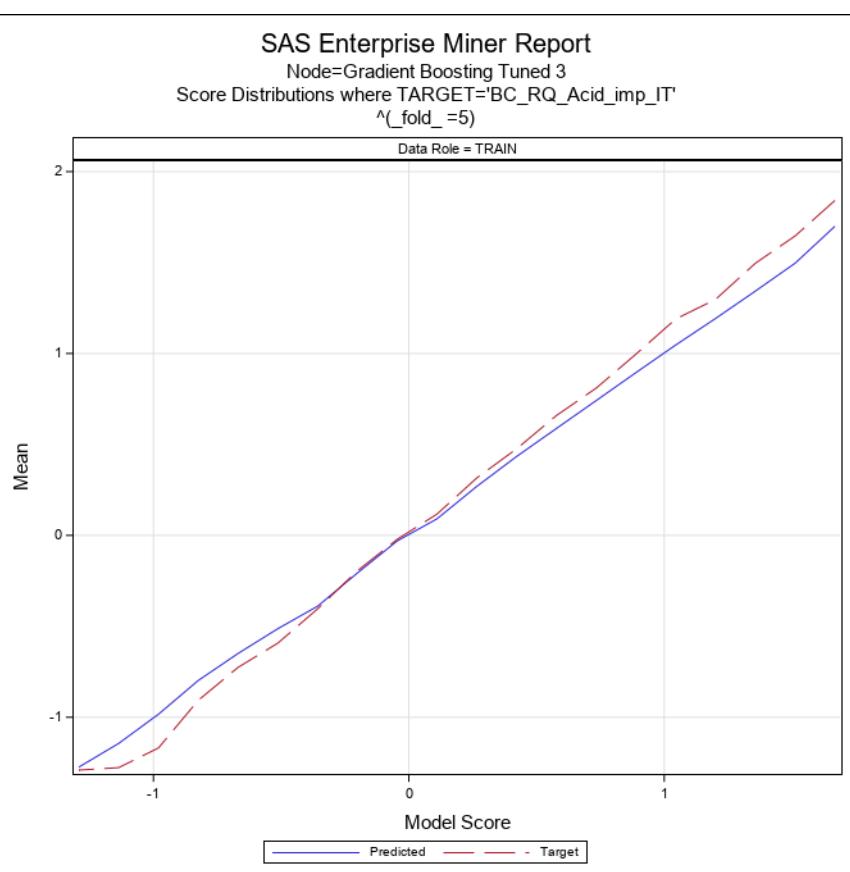


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 3  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

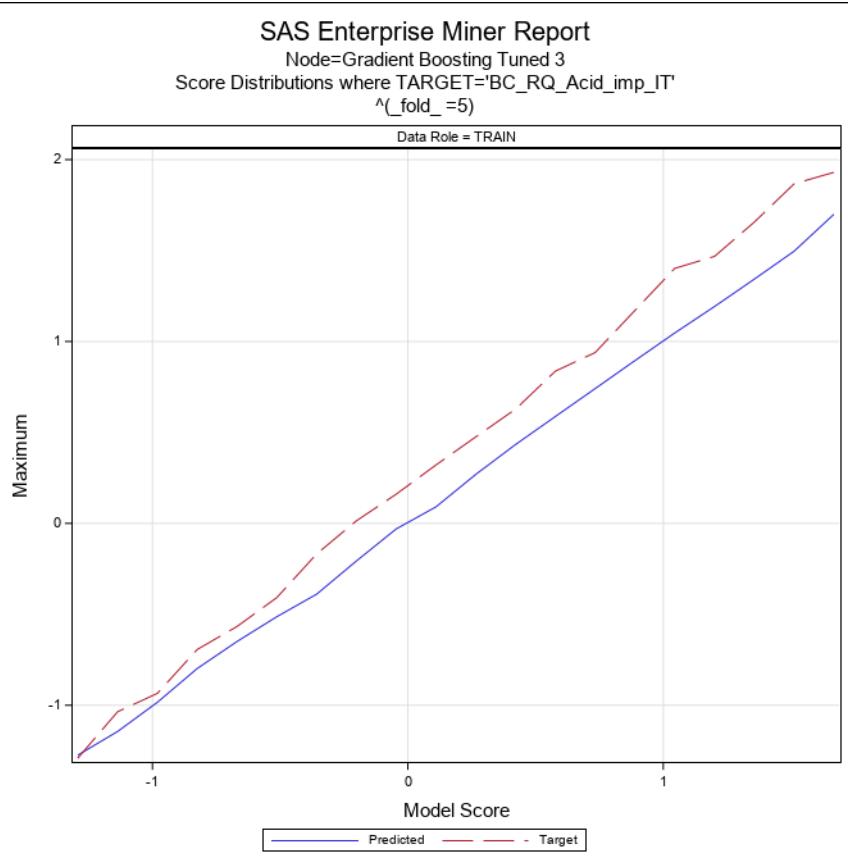
**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 3  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)



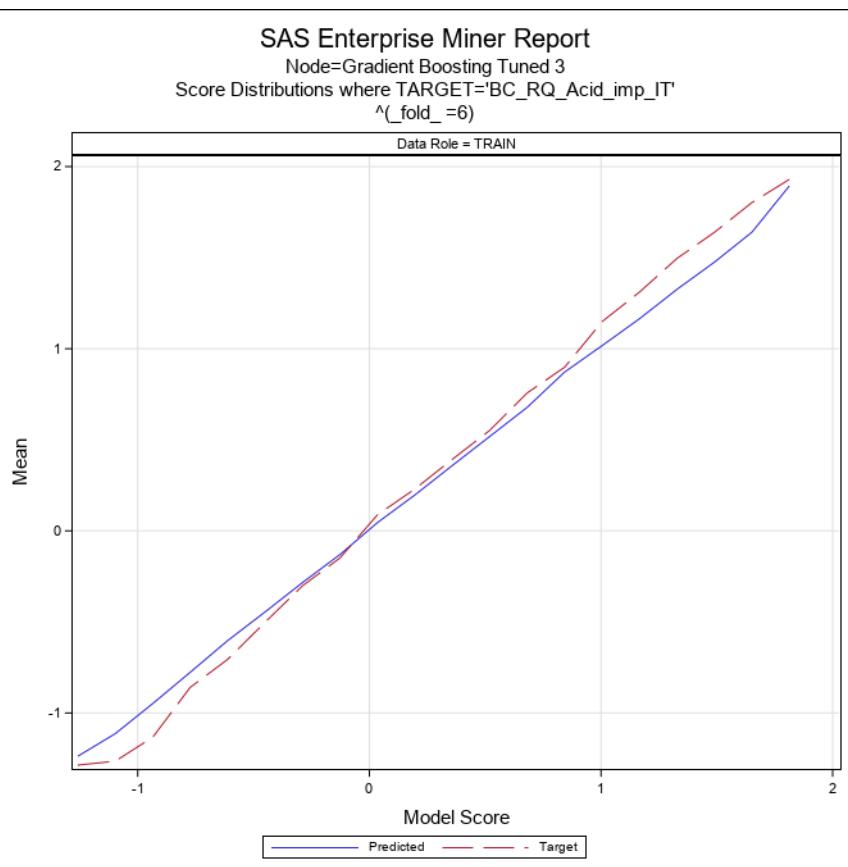
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}5)$



### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}6)$

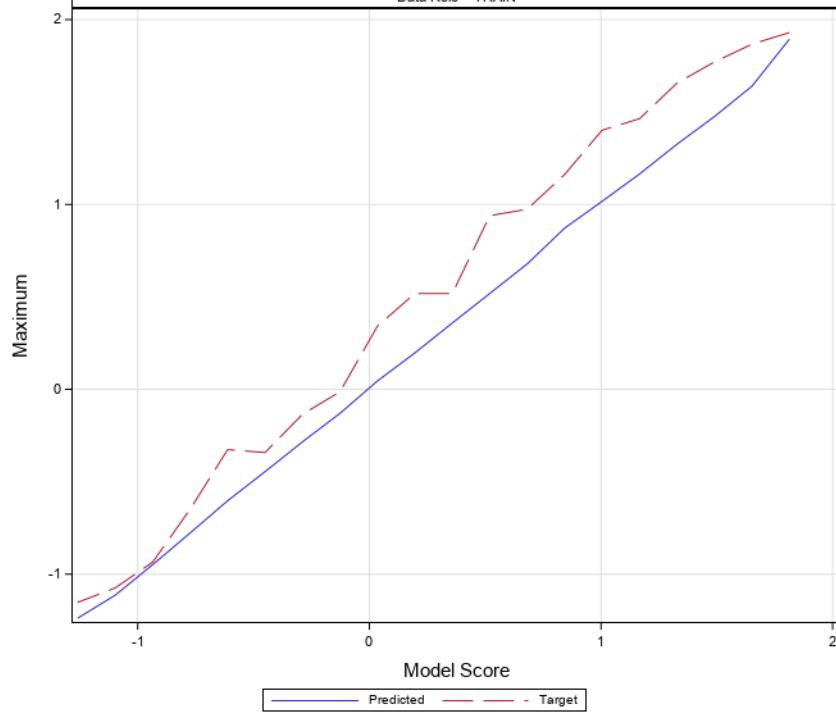


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 3

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

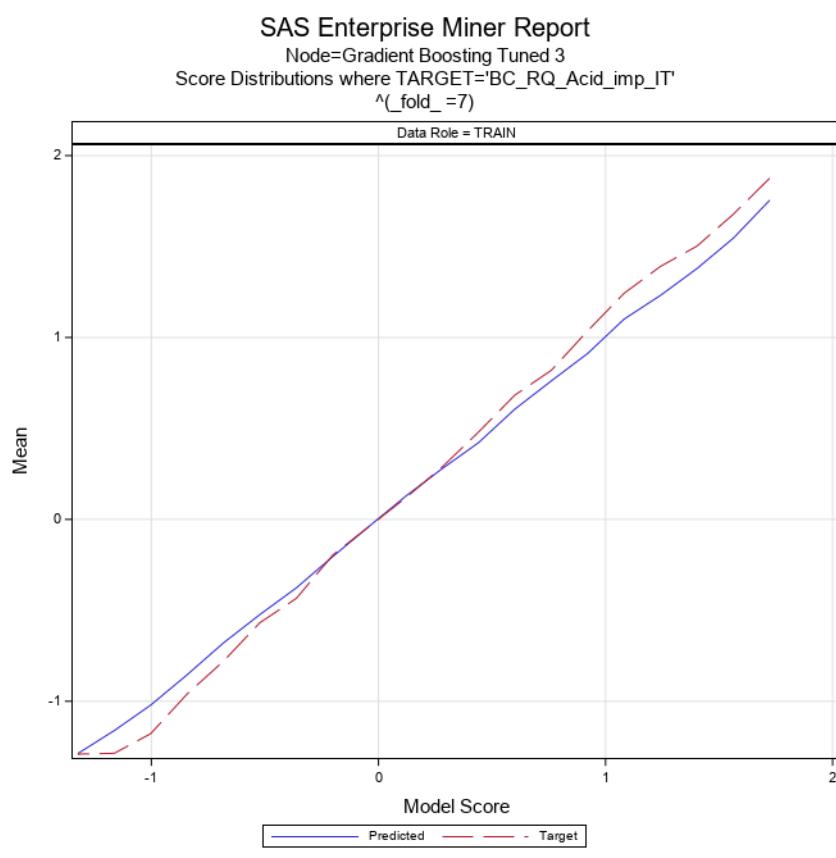
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 3

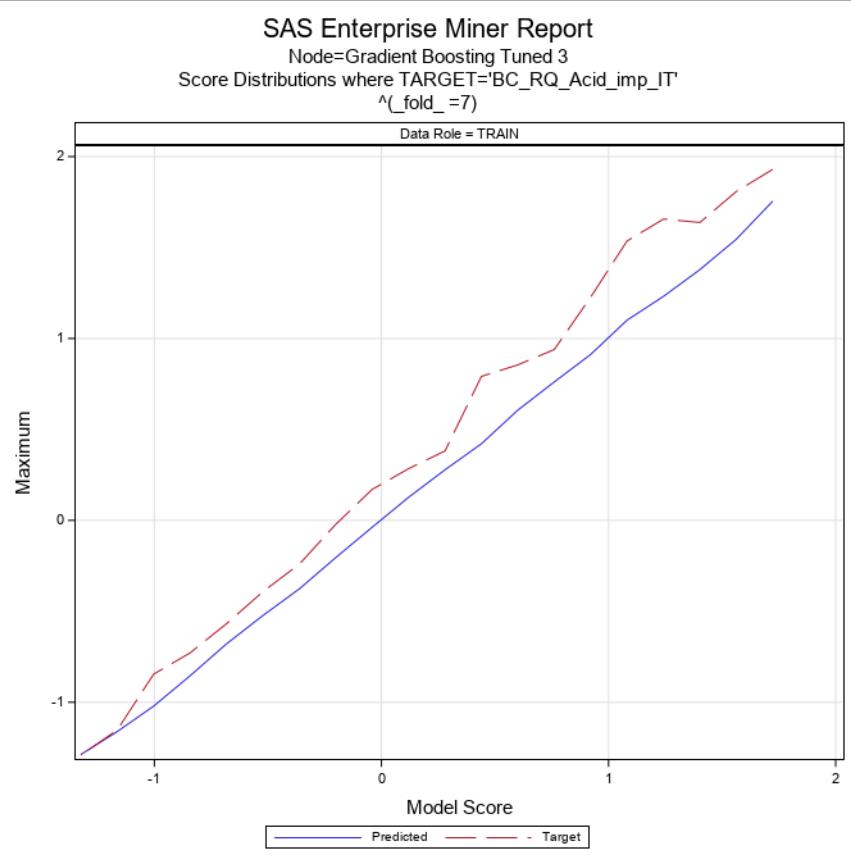
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

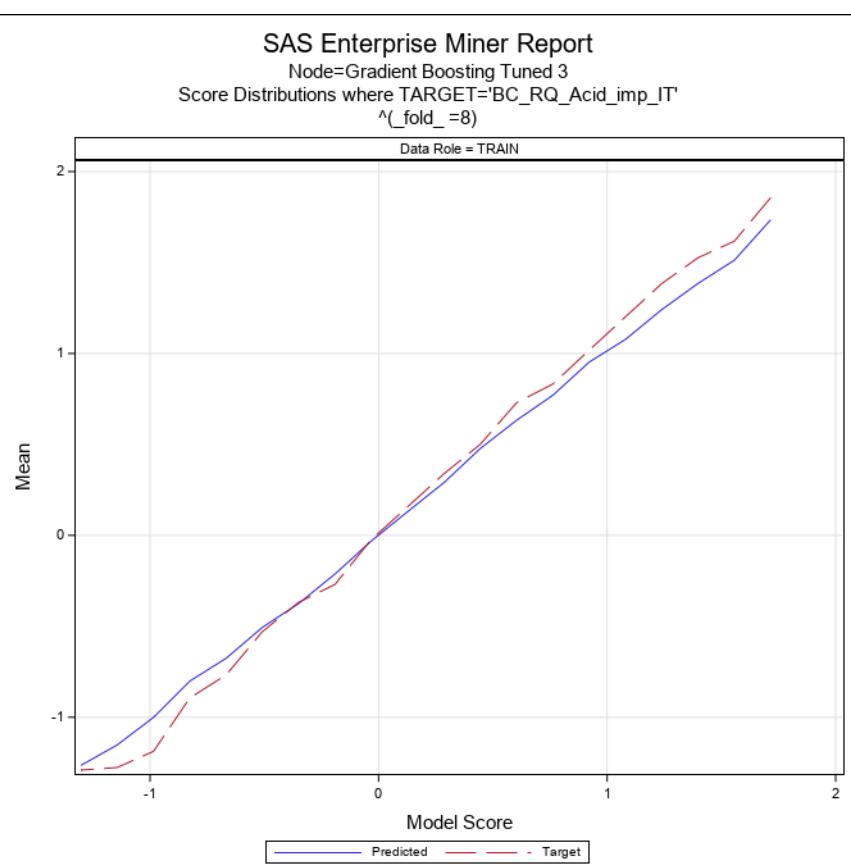


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 3  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 3  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)



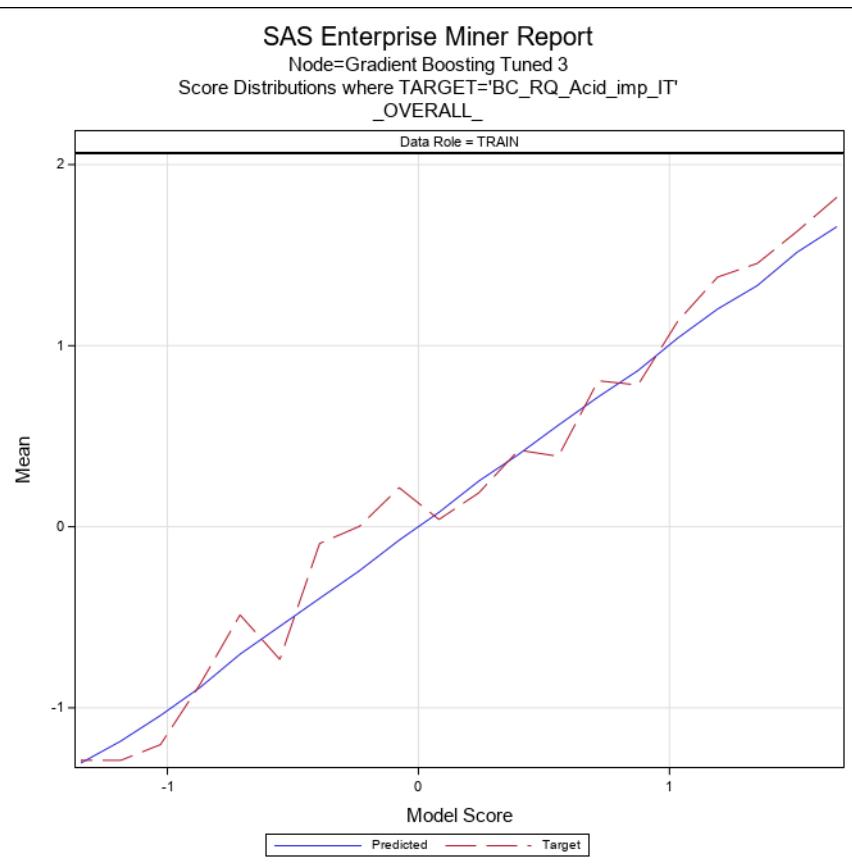
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}8)$



### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 3  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}8)$   
 $\wedge(\text{overall}_\text{=})$





### Node=Gradient Boosting Tuned 3 Score Distributions

Group= $\wedge(\text{fold\_}=1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.607 - 1.763	1.68983	1.76342	1.63550	1.87963	1.92987	1.84202
1.451 - 1.607	1.50452	1.59943	1.45277	1.61391	1.80838	1.49143
1.295 - 1.451	1.36570	1.43990	1.29708	1.49385	1.77106	1.33863
1.139 - 1.295	1.22122	1.29344	1.14200	1.33660	1.58869	1.12236
0.983 - 1.139	1.06900	1.13434	0.98863	1.14551	1.31292	0.87690
0.827 - 0.983	0.91796	0.96851	0.83303	0.99220	1.33391	0.80905
0.671 - 0.827	0.72939	0.77668	0.67977	0.81001	0.93917	0.71868
0.514 - 0.671	0.60705	0.66880	0.51575	0.66152	0.81845	0.40641
0.358 - 0.514	0.43821	0.48644	0.36923	0.46822	0.63414	0.33895
0.202 - 0.358	0.28105	0.35695	0.20399	0.32327	0.51841	0.16562
0.046 - 0.202	0.12892	0.19647	0.05363	0.13198	0.26501	0.00046
-0.110 - 0.046	-0.01318	0.04563	-0.10181	0.02464	0.24534	-0.16851
-0.266 - -0.110	-0.19598	-0.11645	-0.26505	-0.16826	0.04068	-0.29971
-0.422 - -0.266	-0.33448	-0.27243	-0.41756	-0.37674	-0.32046	-0.45852
-0.578 - -0.422	-0.51555	-0.44732	-0.57351	-0.56595	-0.33103	-0.88860
-0.734 - -0.578	-0.66086	-0.58190	-0.73400	-0.73944	-0.59657	-0.93451
-0.891 - -0.734	-0.81387	-0.74200	-0.87285	-0.94502	-0.84532	-1.03562
-1.047 - -0.891	-0.98363	-0.90046	-1.04381	-1.15017	-0.93451	-1.29040
-1.203 - -1.047	-1.13613	-1.05900	-1.19896	-1.27770	-1.11166	-1.29040
-1.359 - -1.203	-1.25036	-1.20327	-1.35892	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.714 - 1.875	1.87510	1.87510	1.87510	1.92987	1.92987	1.92987
1.552 - 1.714	1.61209	1.64173	1.58131	1.78705	1.86701	1.72308
1.391 - 1.552	1.45494	1.53302	1.39479	1.59835	1.82242	1.46404
1.229 - 1.391	1.30526	1.37490	1.23953	1.49570	1.84202	1.36860
1.068 - 1.229	1.12982	1.21621	1.07056	1.29679	1.45401	1.08384
0.906 - 1.068	0.98970	1.04481	0.90827	1.11354	1.29756	0.88977
0.744 - 0.906	0.81259	0.88153	0.74843	0.88658	1.13168	0.73451
0.583 - 0.744	0.65529	0.73615	0.60314	0.72268	0.84998	0.53897
0.421 - 0.583	0.49958	0.57329	0.42295	0.59119	0.73451	0.45515
0.260 - 0.421	0.32450	0.40120	0.26110	0.36619	0.55237	0.18307
0.098 - 0.260	0.19451	0.25908	0.10728	0.20677	0.40630	-0.02592
-0.063 - 0.098	0.01907	0.09729	-0.06294	0.04231	0.24534	-0.18592
-0.225 - -0.063	-0.13906	-0.07492	-0.21607	-0.14304	0.04068	-0.32046
-0.386 - -0.225	-0.30030	-0.23200	-0.37737	-0.33187	-0.13485	-0.68686
-0.548 - -0.386	-0.48222	-0.39628	-0.54621	-0.54977	-0.15603	-0.93451
-0.709 - -0.548	-0.63619	-0.55831	-0.69750	-0.71660	-0.56812	-1.03562
-0.871 - -0.709	-0.77568	-0.71847	-0.84646	-0.88790	-0.69337	-1.03562
-1.032 - -0.871	-0.96242	-0.87777	-1.01436	-1.16253	-0.94788	-1.29040
-1.194 - -1.032	-1.11893	-1.04337	-1.19056	-1.26698	-1.09174	-1.29040
-1.355 - -1.194	-1.25522	-1.19853	-1.35529	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.566 - 1.719	1.62213	1.71881	1.57326	1.81525	1.92987	1.69276
1.413 - 1.566	1.47880	1.53721	1.41521	1.55700	1.73571	1.44384
1.261 - 1.413	1.33367	1.39581	1.27055	1.48465	1.65655	1.33391
1.108 - 1.261	1.17944	1.25236	1.11010	1.29435	1.51415	1.08384
0.955 - 1.108	1.03171	1.10770	0.96681	1.16862	1.40177	0.88977
0.802 - 0.955	0.89213	0.95119	0.82229	0.96173	1.14199	0.82950
0.650 - 0.802	0.72303	0.78389	0.65357	0.78323	0.93917	0.65182
0.497 - 0.650	0.55057	0.63225	0.50394	0.57748	0.71868	0.25719
0.344 - 0.497	0.40822	0.49439	0.35108	0.42996	0.65182	0.30288
0.192 - 0.344	0.27481	0.34330	0.19301	0.31434	0.47553	0.12760
0.039 - 0.192	0.10140	0.16835	0.04299	0.10075	0.27466	-0.16851
-0.114 - 0.039	-0.02034	0.03526	-0.09775	-0.03099	0.16052	-0.24068
-0.267 - -0.114	-0.20025	-0.12105	-0.26322	-0.21543	-0.10262	-0.36374
-0.419 - -0.267	-0.33440	-0.26920	-0.38725	-0.36224	-0.16851	-0.45852
-0.572 - -0.419	-0.49539	-0.44032	-0.56561	-0.51798	-0.32636	-0.69439
-0.725 - -0.572	-0.64678	-0.59480	-0.71593	-0.74868	-0.56812	-0.93451
-0.877 - -0.725	-0.79846	-0.72886	-0.87369	-0.88118	-0.72860	-1.03562
-1.030 - -0.877	-0.96423	-0.87905	-1.01805	-1.14963	-0.98338	-1.29040
-1.183 - -1.030	-1.11703	-1.03635	-1.18184	-1.26836	-0.94788	-1.29040
-1.336 - -1.183	-1.24565	-1.18345	-1.33563	-1.28667	-1.15235	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.608 - 1.764	1.71145	1.76378	1.64124	1.86477	1.92987	1.82242
1.452 - 1.608	1.52147	1.59866	1.46439	1.61126	1.73571	1.46404
1.297 - 1.452	1.38391	1.44265	1.31106	1.54639	1.86701	1.36860
1.141 - 1.297	1.21381	1.29125	1.14158	1.32132	1.46404	1.08384
0.985 - 1.141	1.08079	1.13957	0.99067	1.17451	1.33863	1.02925
0.829 - 0.985	0.92216	0.97898	0.82947	1.03786	1.22737	0.85495
0.673 - 0.829	0.75795	0.82451	0.67471	0.83140	0.97422	0.69704
0.518 - 0.673	0.58302	0.64251	0.53548	0.67699	0.84998	0.55237
0.362 - 0.518	0.43919	0.50117	0.36685	0.47824	0.73451	0.33895
0.206 - 0.362	0.26798	0.33367	0.22096	0.29632	0.40630	0.16562
0.050 - 0.206	0.10670	0.20275	0.05267	0.13542	0.26501	0.01250
-0.105 - 0.050	-0.01897	0.04099	-0.09849	-0.03968	0.17344	-0.24068
-0.261 - -0.105	-0.19220	-0.11326	-0.26012	-0.21152	-0.02953	-0.36374
-0.417 - -0.261	-0.33082	-0.26213	-0.39587	-0.35781	-0.24068	-0.45852
-0.573 - -0.417	-0.49509	-0.41868	-0.56082	-0.55490	-0.32046	-0.72191
-0.728 - -0.573	-0.66989	-0.57693	-0.72500	-0.75420	-0.57867	-0.93451
-0.884 - -0.728	-0.79042	-0.75595	-0.88257	-0.91819	-0.72860	-1.09174
-1.040 - -0.884	-0.98922	-0.90291	-1.03422	-1.10362	-0.93451	-1.29040
-1.196 - -1.040	-1.12990	-1.04160	-1.19305	-1.28399	-1.15235	-1.29040
-1.351 - -1.196	-1.24250	-1.19615	-1.35136	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.590 - 1.746	1.69938	1.74624	1.66528	1.84134	1.92987	1.77106
1.435 - 1.590	1.49642	1.55686	1.43887	1.64618	1.86701	1.43354
1.279 - 1.435	1.34290	1.41835	1.28643	1.49590	1.65655	1.34813
1.123 - 1.279	1.19241	1.27590	1.14615	1.29742	1.46801	1.08384
0.967 - 1.123	1.04683	1.11910	0.96803	1.18974	1.40177	0.99671
0.811 - 0.967	0.89497	0.96397	0.81700	0.99638	1.17083	0.82950
0.656 - 0.811	0.74101	0.80872	0.65751	0.80945	0.93917	0.65182
0.500 - 0.656	0.58761	0.65168	0.50947	0.65871	0.83692	0.40630
0.344 - 0.500	0.43361	0.49619	0.34669	0.47564	0.62815	0.33009
0.188 - 0.344	0.26923	0.33854	0.18938	0.31575	0.47553	0.12760
0.032 - 0.188	0.09079	0.18061	0.03787	0.11690	0.32113	-0.02592
-0.124 - 0.032	-0.03052	0.02889	-0.11987	-0.02181	0.16052	-0.30409
-0.279 - -0.124	-0.20675	-0.13213	-0.27232	-0.19477	0.01410	-0.33103
-0.435 - -0.279	-0.38952	-0.28863	-0.43006	-0.40411	-0.16851	-0.59657
-0.591 - -0.435	-0.51314	-0.44266	-0.59007	-0.59264	-0.40813	-0.76554
-0.747 - -0.591	-0.64953	-0.59271	-0.73216	-0.72591	-0.56687	-0.93451
-0.903 - -0.747	-0.79793	-0.74955	-0.89141	-0.90703	-0.69337	-1.07430
-1.058 - -0.903	-0.98354	-0.90542	-1.05589	-1.16909	-0.93451	-1.29040
-1.214 - -1.058	-1.14402	-1.06135	-1.21414	-1.27697	-1.03562	-1.29040
-1.370 - -1.214	-1.27407	-1.21663	-1.37006	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.732 - 1.894	1.89396	1.89396	1.89396	1.92987	1.92987	1.92987
1.571 - 1.732	1.63970	1.69146	1.60729	1.80254	1.86701	1.69276
1.409 - 1.571	1.47552	1.54624	1.43016	1.63930	1.77106	1.44384
1.247 - 1.409	1.32611	1.40837	1.25155	1.49591	1.65655	1.34813
1.086 - 1.247	1.16492	1.24232	1.09413	1.31119	1.46404	1.12236
0.924 - 1.086	1.01698	1.08383	0.92589	1.14894	1.40177	0.99671
0.762 - 0.924	0.87204	0.91483	0.79548	0.89873	1.16250	0.71868
0.601 - 0.762	0.67839	0.75947	0.61521	0.75737	0.97422	0.60373
0.439 - 0.601	0.51850	0.58689	0.44333	0.55198	0.93917	0.33009
0.277 - 0.439	0.35869	0.43229	0.29371	0.39254	0.51841	0.24534
0.116 - 0.277	0.19703	0.26885	0.11908	0.22999	0.51841	0.06961
-0.046 - 0.116	0.04511	0.10765	-0.04381	0.08775	0.34189	-0.07171
-0.208 - -0.046	-0.13017	-0.06890	-0.20711	-0.14891	-0.01343	-0.39203
-0.369 - -0.208	-0.28386	-0.21450	-0.36818	-0.30157	-0.13485	-0.45852
-0.531 - -0.369	-0.44527	-0.37261	-0.52645	-0.50175	-0.34179	-0.62748
-0.693 - -0.531	-0.60280	-0.53196	-0.68627	-0.70583	-0.32636	-0.93451
-0.854 - -0.693	-0.77680	-0.69780	-0.84506	-0.85961	-0.64842	-1.09174
-1.016 - -0.854	-0.94838	-0.87821	-1.01540	-1.13330	-0.93451	-1.29040
-1.178 - -1.016	-1.11349	-1.02508	-1.17548	-1.26464	-1.07430	-1.29040
-1.339 - -1.178	-1.23749	-1.18068	-1.33937	-1.28609	-1.15235	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.643 - 1.803	1.75500	1.80322	1.70678	1.87614	1.92987	1.82242
1.483 - 1.643	1.54595	1.64052	1.50009	1.67773	1.80838	1.54878
1.322 - 1.483	1.37885	1.45870	1.32775	1.50226	1.63777	1.40177
1.162 - 1.322	1.23157	1.32084	1.16235	1.39085	1.65655	1.12236
1.001 - 1.162	1.10093	1.16114	1.00519	1.24304	1.53621	1.08384
0.841 - 1.001	0.91227	0.99650	0.85554	1.03641	1.22737	0.85049
0.681 - 0.841	0.76100	0.82888	0.69096	0.81923	0.93917	0.67477
0.520 - 0.681	0.60612	0.67770	0.52941	0.68322	0.85495	0.42224
0.360 - 0.520	0.42122	0.50827	0.36436	0.47932	0.79170	0.32113
0.200 - 0.360	0.27809	0.34920	0.20235	0.28704	0.38174	0.16112
0.039 - 0.200	0.12683	0.19631	0.06253	0.11768	0.28418	-0.07171
-0.121 - 0.039	-0.03784	0.03590	-0.11111	-0.03873	0.17012	-0.24068
-0.281 - -0.121	-0.20464	-0.12972	-0.27866	-0.19631	-0.02189	-0.45852
-0.442 - -0.281	-0.37659	-0.29052	-0.44014	-0.43454	-0.24068	-0.69337
-0.602 - -0.442	-0.52315	-0.45616	-0.59436	-0.56788	-0.39203	-0.69439
-0.762 - -0.602	-0.67894	-0.60231	-0.76144	-0.77949	-0.56812	-0.93451
-0.923 - -0.762	-0.85440	-0.76292	-0.91775	-0.96019	-0.72860	-1.29040
-1.083 - -0.923	-1.02124	-0.93306	-1.07664	-1.17841	-0.84532	-1.29040
-1.244 - -1.083	-1.16124	-1.08889	-1.24351	-1.28611	-1.15235	-1.29040
-1.404 - -1.244	-1.28732	-1.24660	-1.40393	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=\_fold\_ =8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.636 - 1.795	1.73481	1.79511	1.67098	1.85692	1.92987	1.80838
1.477 - 1.636	1.51270	1.53101	1.50059	1.61744	1.69276	1.50288
1.318 - 1.477	1.38532	1.46719	1.32185	1.52641	1.84202	1.35721
1.160 - 1.318	1.24109	1.31616	1.17293	1.38408	1.55764	1.08384
1.001 - 1.160	1.07756	1.15398	1.00705	1.20150	1.44384	0.99671
0.842 - 1.001	0.95232	0.99716	0.90856	1.01784	1.17083	0.86781
0.683 - 0.842	0.77024	0.81953	0.70186	0.83211	1.02925	0.68341
0.524 - 0.683	0.63253	0.68168	0.53436	0.72889	0.93917	0.57848
0.365 - 0.524	0.47710	0.52291	0.41112	0.50045	0.65182	0.28418
0.206 - 0.365	0.28982	0.36406	0.21046	0.33845	0.45315	0.17344
0.048 - 0.206	0.13029	0.20201	0.05589	0.15701	0.32306	-0.02592
-0.111 - 0.048	-0.03088	0.03964	-0.10655	-0.02310	0.11522	-0.16851
-0.270 - -0.111	-0.21239	-0.11595	-0.26959	-0.26957	-0.02557	-0.53830
-0.429 - -0.270	-0.37457	-0.28310	-0.42361	-0.36802	-0.13485	-0.56687
-0.588 - -0.429	-0.50582	-0.42948	-0.58621	-0.52922	-0.32636	-0.72191
-0.747 - -0.588	-0.67595	-0.60637	-0.74393	-0.76769	-0.62748	-0.93451
-0.906 - -0.747	-0.80150	-0.74729	-0.89745	-0.89385	-0.69337	-1.03562
-1.065 - -0.906	-1.00095	-0.91187	-1.06140	-1.18774	-0.94788	-1.29040
-1.223 - -1.065	-1.15255	-1.06899	-1.21833	-1.27618	-1.15235	-1.29040
-1.382 - -1.223	-1.26467	-1.22385	-1.38228	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 3 Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.588 - 1.746	1.65737	1.74624	1.59943	1.81967	1.92987	1.73571
1.429 - 1.588	1.51617	1.56873	1.45987	1.63154	1.80838	1.50288
1.271 - 1.429	1.33206	1.42487	1.27416	1.45452	1.63777	1.33863
1.112 - 1.271	1.20216	1.27030	1.14158	1.37849	1.61852	1.12236
0.954 - 1.112	1.04200	1.10826	0.96033	1.13473	1.38921	0.25719
0.795 - 0.954	0.86235	0.94196	0.79548	0.78296	1.29756	-1.29040
0.637 - 0.795	0.71685	0.79386	0.64251	0.80612	1.49143	-0.07171
0.478 - 0.637	0.56097	0.63656	0.47848	0.38912	0.83692	-1.29040
0.320 - 0.478	0.39970	0.47253	0.32309	0.42303	1.82242	-0.84532
0.161 - 0.320	0.25227	0.31693	0.18019	0.18702	1.41251	-1.29040
0.003 - 0.161	0.07974	0.15956	0.00399	0.04027	1.08384	-1.29040
-0.156 - 0.003	-0.07385	-0.01069	-0.14508	0.21531	1.86701	-0.95955
-0.314 - -0.156	-0.24312	-0.15641	-0.30492	0.00201	1.43146	-1.29040
-0.473 - -0.314	-0.39567	-0.33628	-0.45654	-0.09250	1.44384	-1.29040
-0.631 - -0.473	-0.54989	-0.47411	-0.63017	-0.73260	-0.32636	-1.29040
-0.790 - -0.631	-0.70379	-0.64383	-0.78945	-0.48673	1.65655	-0.93451
-0.948 - -0.790	-0.88691	-0.79119	-0.94440	-0.86826	0.47553	-1.29040
-1.107 - -0.948	-1.04240	-0.97398	-1.10619	-1.20333	-1.03562	-1.29040
-1.265 - -1.107	-1.18415	-1.10835	-1.26309	-1.29040	-1.29040	-1.29040
-1.424 - -1.265	-1.30512	-1.26690	-1.42393	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 3 Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	340
2	^(fold_=2)	350
3	^(fold_=3)	340
4	^(fold_=4)	347
5	^(fold_=5)	346
6	^(fold_=6)	352
7	^(fold_=7)	346
8	^(fold_=8)	330

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp11  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp11 => Boost5 => EndGrp11  
 Notes =

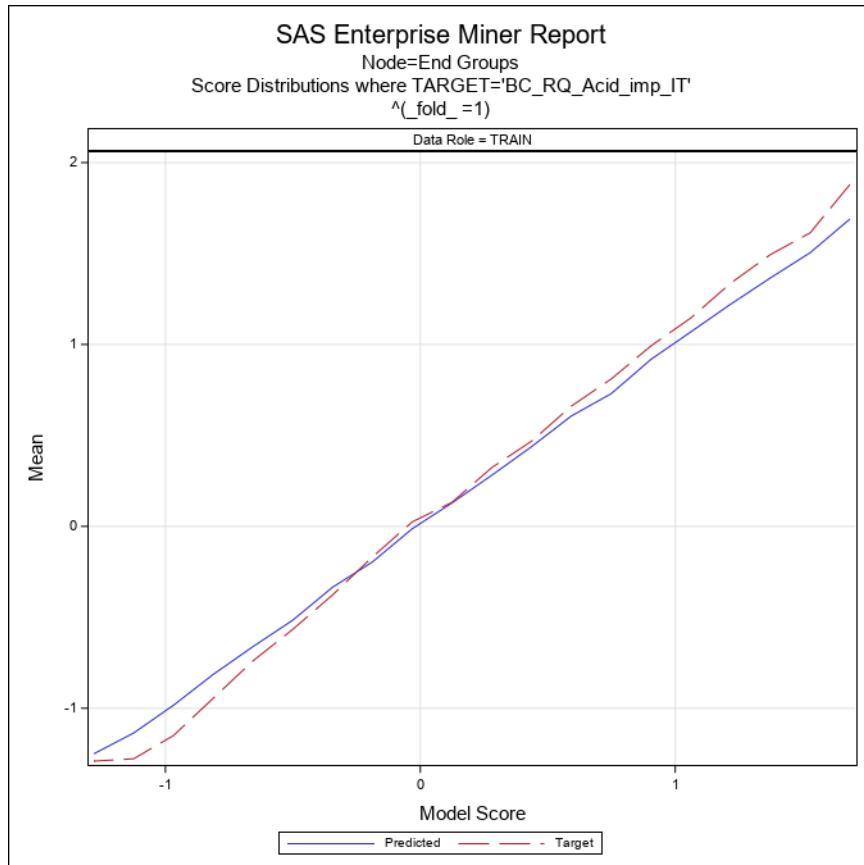
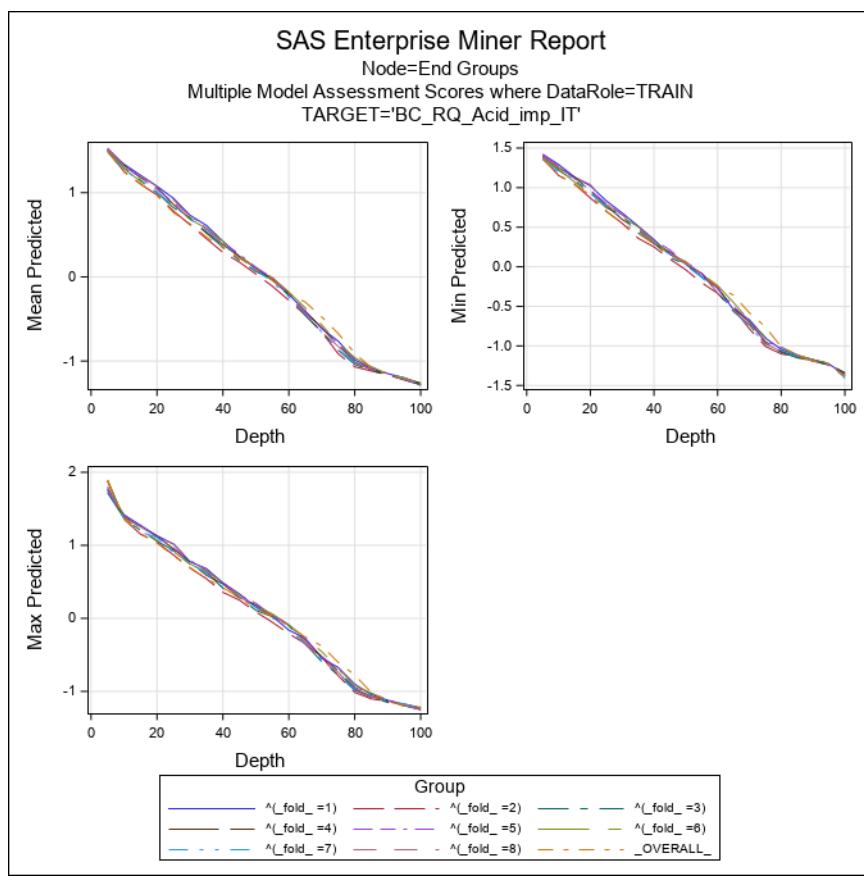
### Node=End Groups Properties

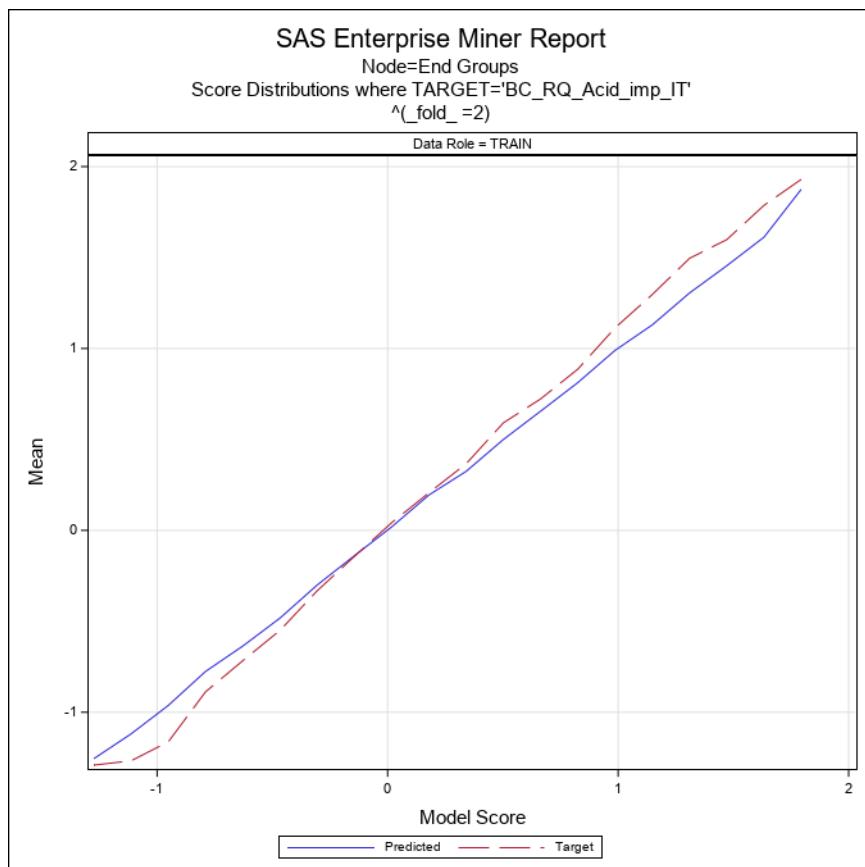
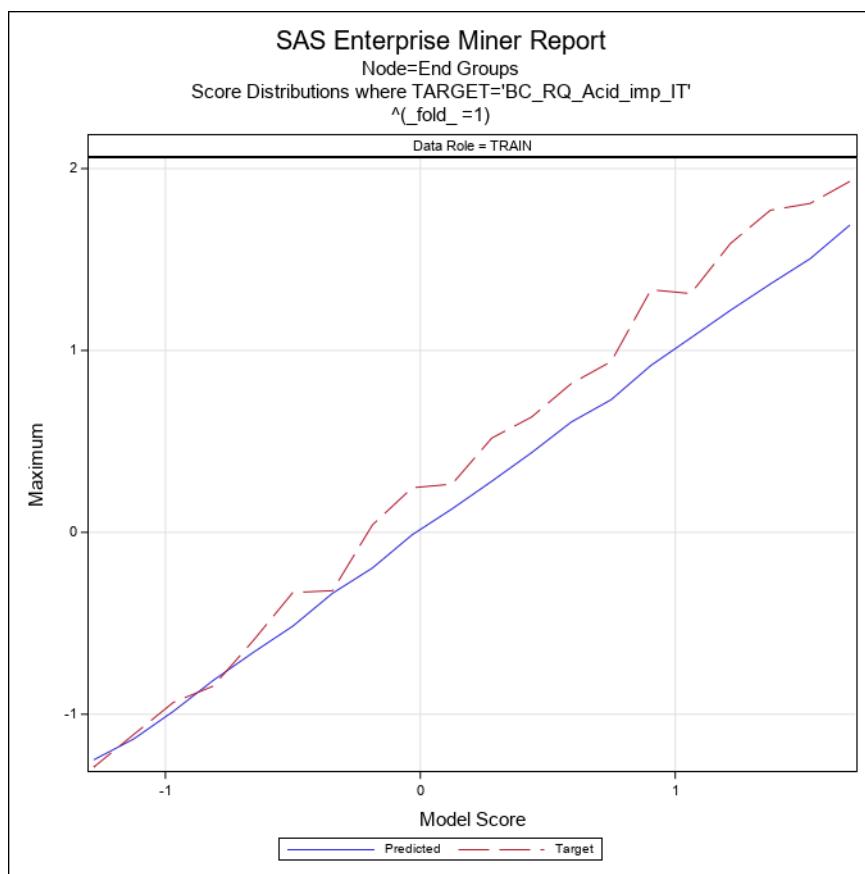
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

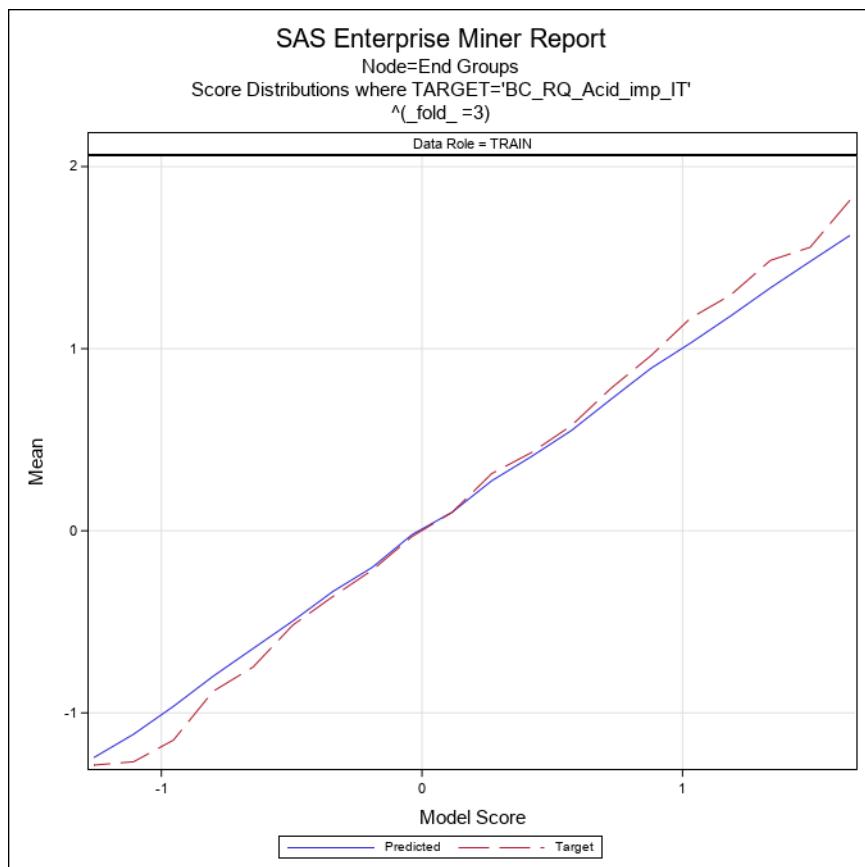
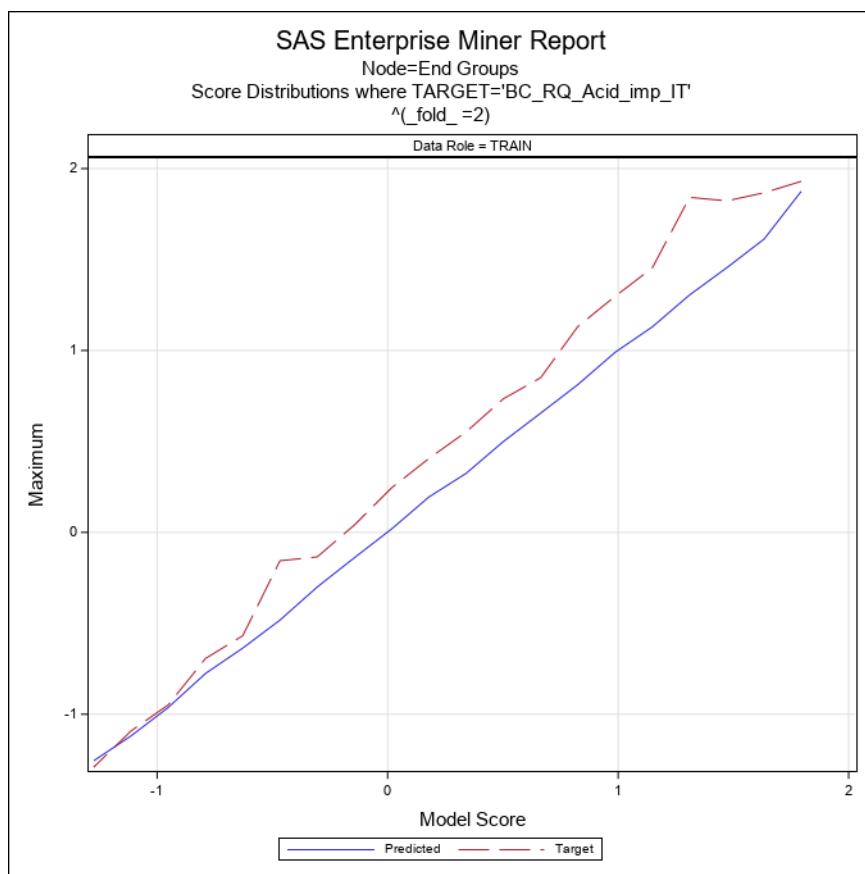
### Node=End Groups Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAtot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Times Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Degrees of Freedom	Train: Total Degrees of Freedom	Target Label
1	^(fold_=1)	Boost5	BC_RQ_Acid_imp_IT	341	341	0.38919	5.0313	0.01475	0.12147	341	341	341	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	Boost5	BC_RQ_Acid_imp_IT	343	343	0.56242	6.9423	0.02024	0.14227	343	343	343	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	Boost5	BC_RQ_Acid_imp_IT	345	345	0.43374	5.3529	0.01552	0.12456	345	345	345	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	Boost5	BC_RQ_Acid_imp_IT	346	346	0.42528	5.1986	0.01502	0.12258	346	346	346	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	Boost5	BC_RQ_Acid_imp_IT	336	336	0.35097	6.0041	0.01787	0.13368	336	336	336	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	Boost5	BC_RQ_Acid_imp_IT	334	334	0.37485	6.0934	0.01824	0.13507	334	334	334	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	Boost5	BC_RQ_Acid_imp_IT	347	347	0.43159	6.0529	0.01744	0.13207	347	347	347	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	Boost5	BC_RQ_Acid_imp_IT	344	344	0.44863	5.6650	0.01647	0.12833	344	344	344	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	393	.	2.63732	76.5977	0.19491	0.44148	393	.	.	ReQuest (acid subscale) (Box-Cox transformed)





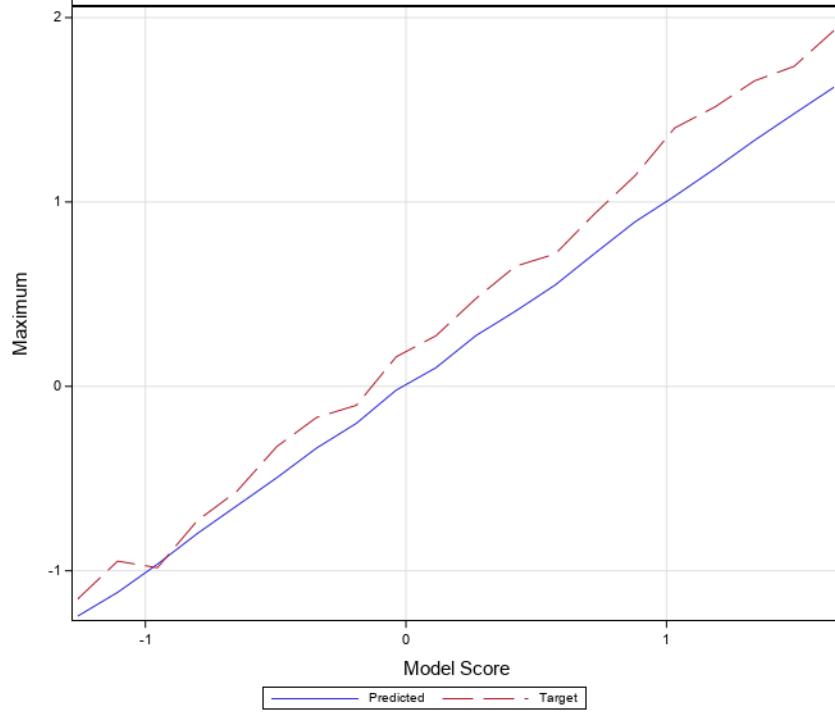


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

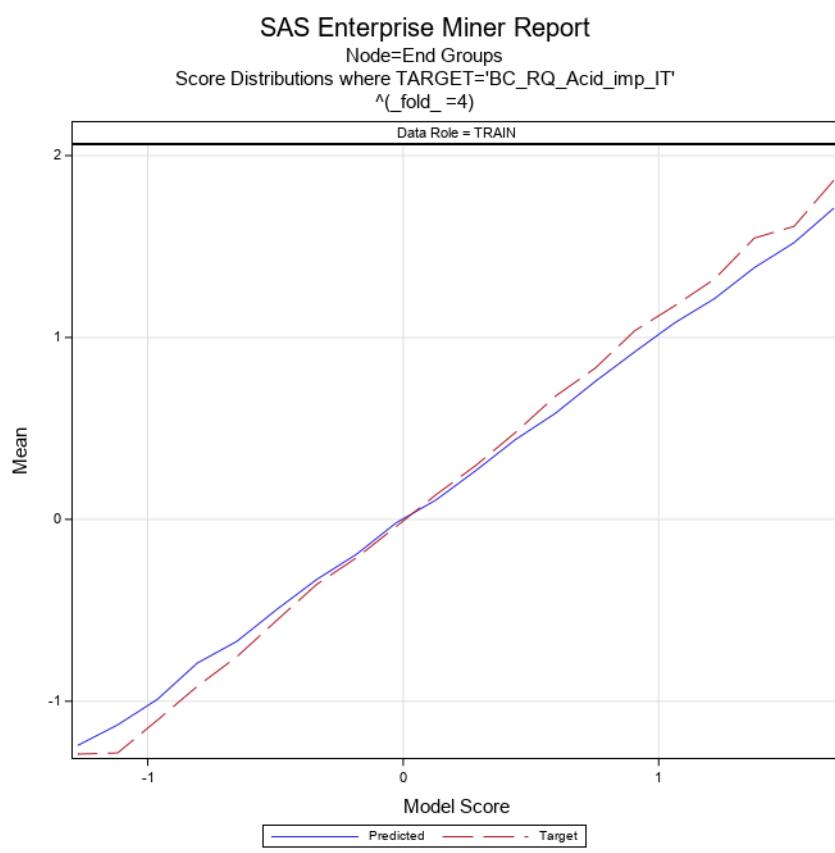


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

Data Role = TRAIN

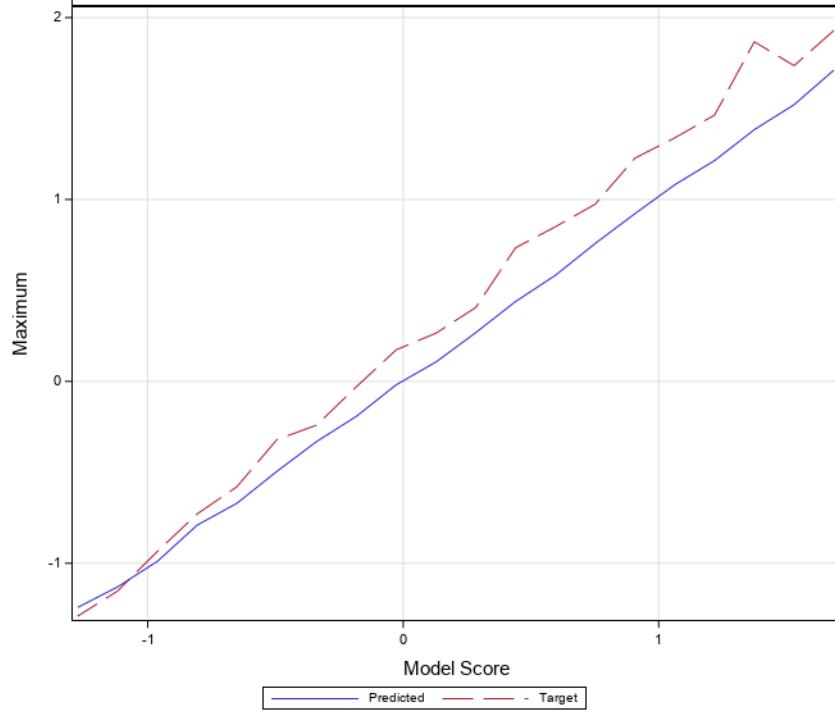


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

Data Role = TRAIN



### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

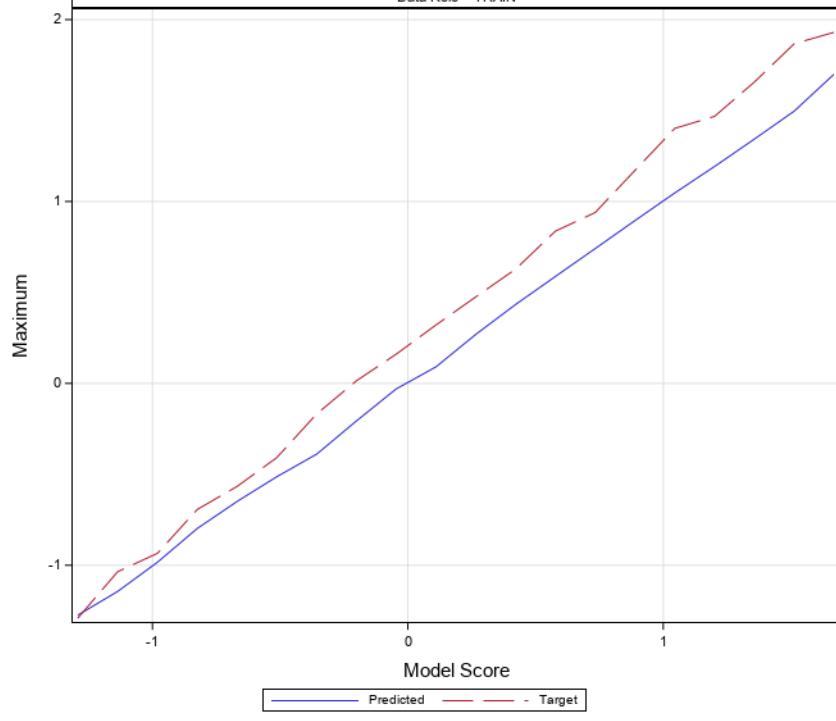


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

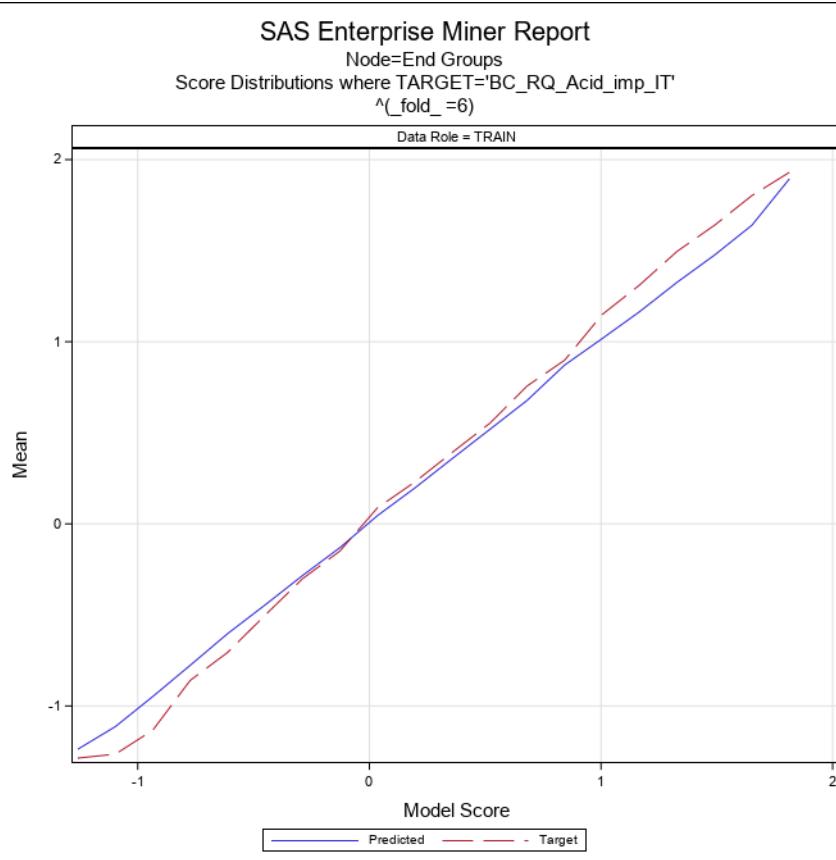


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

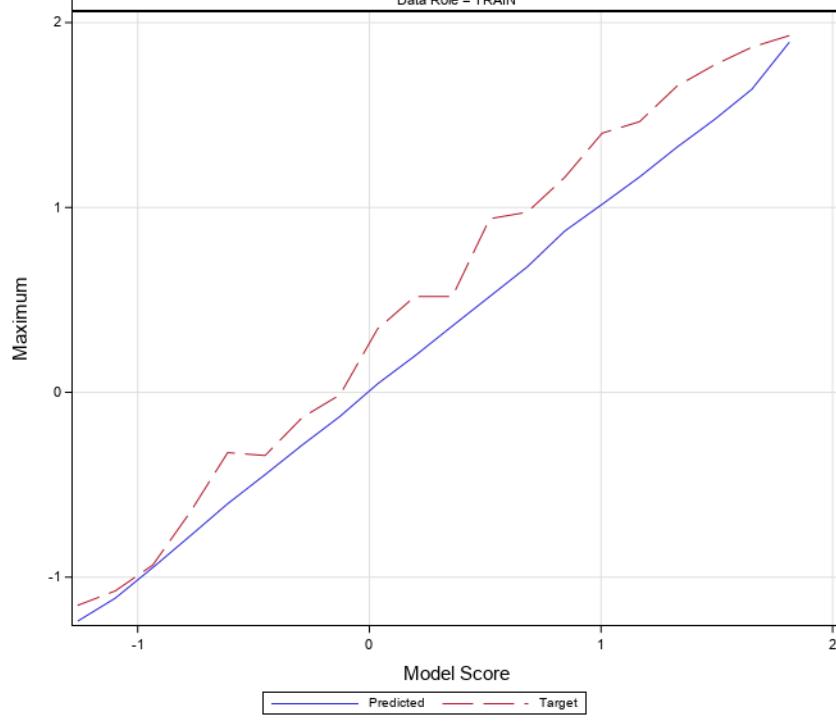


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

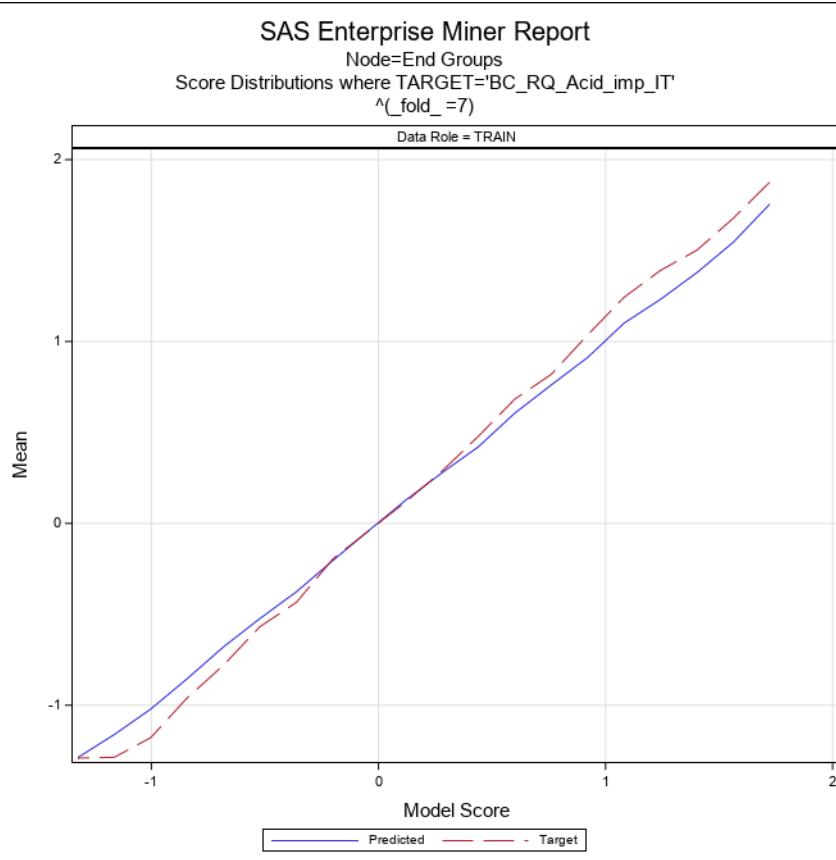


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

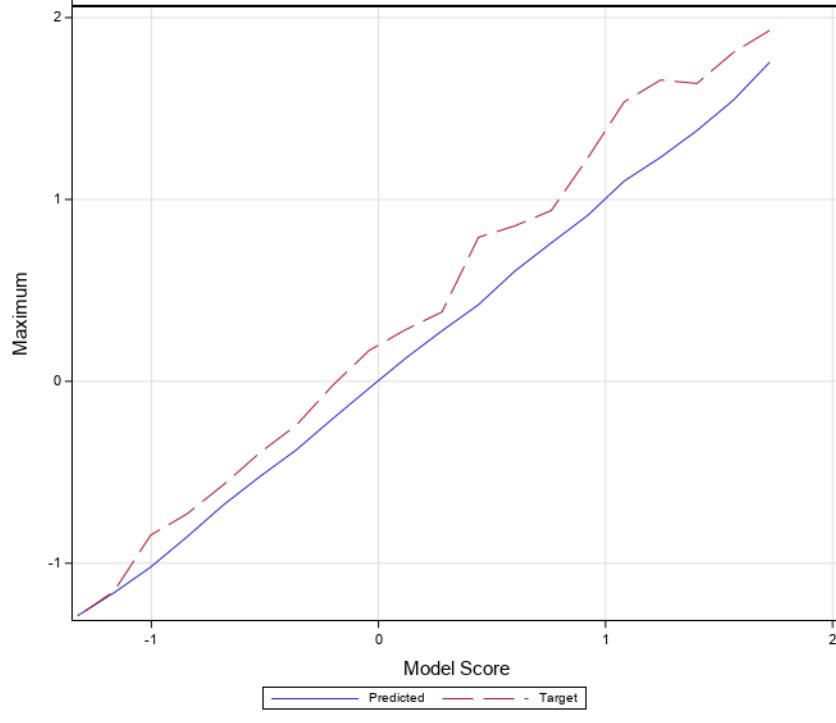


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

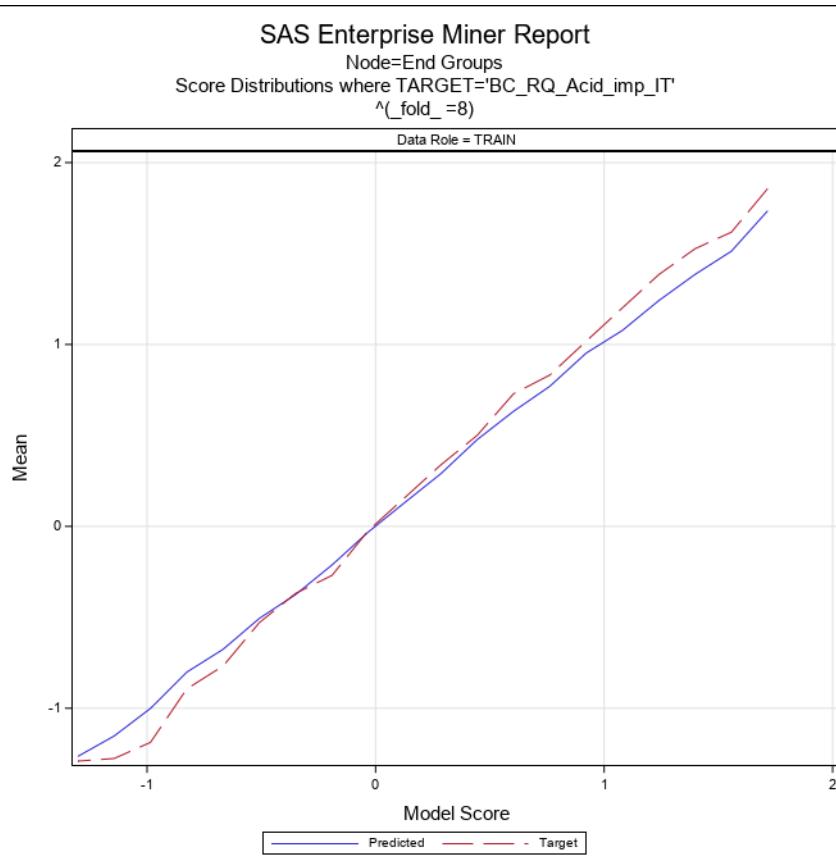


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

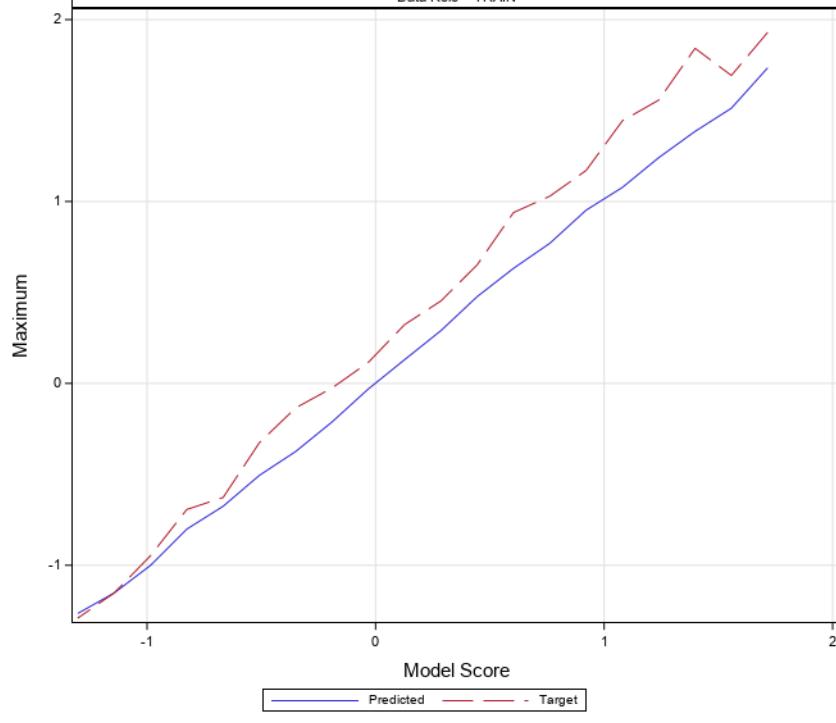


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

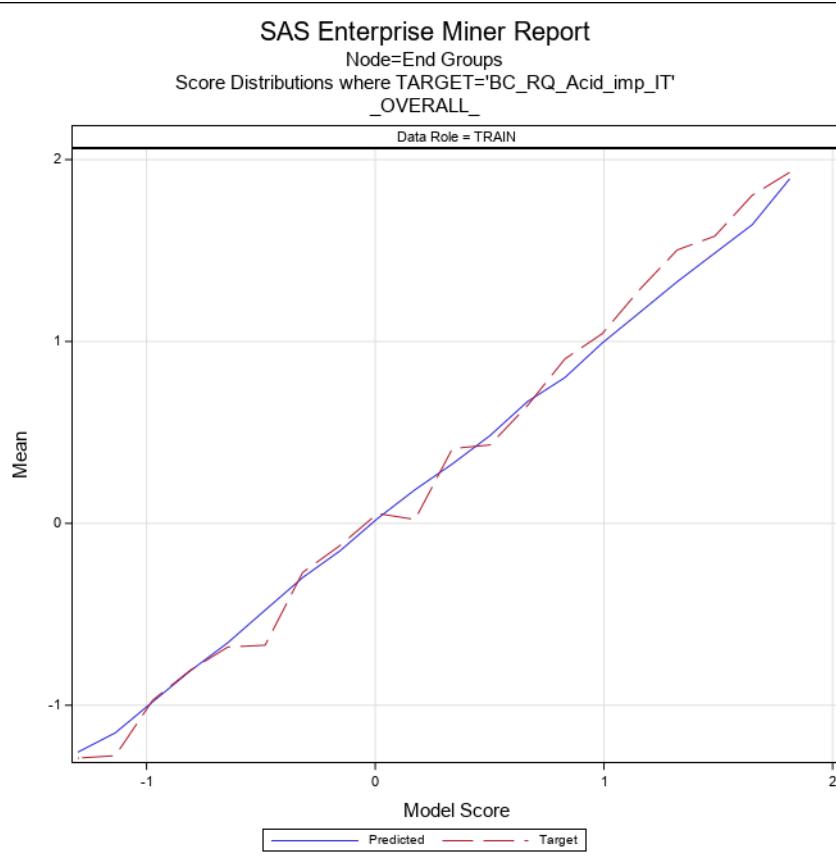


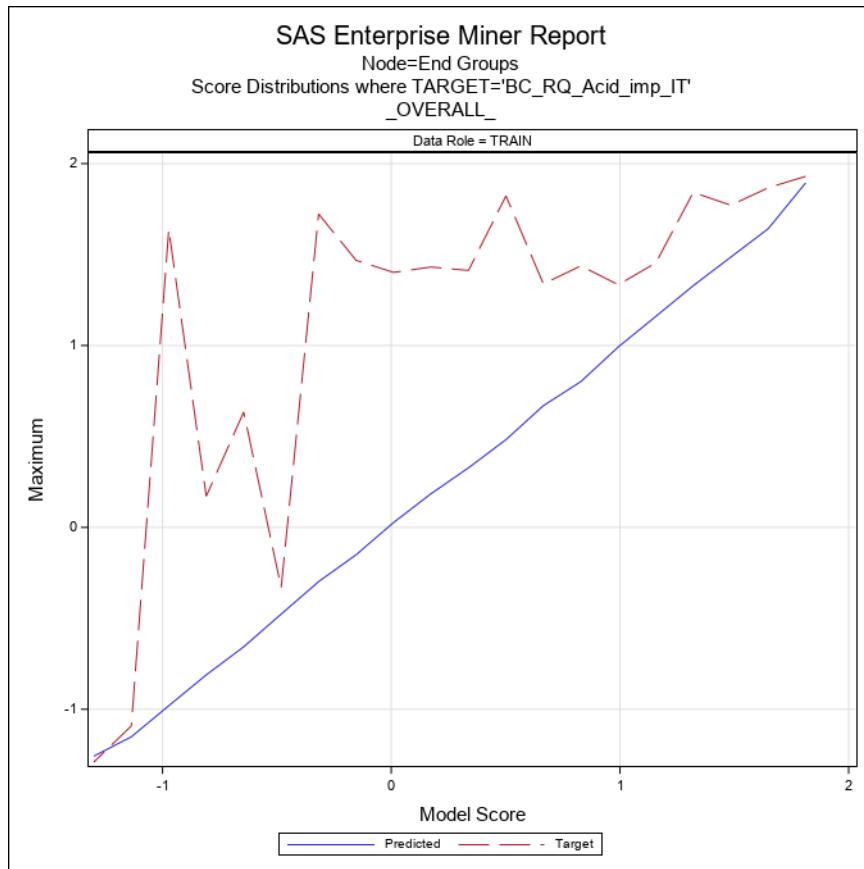
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### **Node=End Groups Score Distributions**

Group= $\wedge(\text{fold\_}=1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.607 - 1.763	1.68983	1.76342	1.63550	1.87963	1.92987	1.84202
1.451 - 1.607	1.50452	1.59943	1.45277	1.61391	1.80838	1.49143
1.295 - 1.451	1.36570	1.43990	1.29708	1.49385	1.77106	1.33863
1.139 - 1.295	1.22122	1.29344	1.14200	1.33660	1.58869	1.12236
0.983 - 1.139	1.06900	1.13434	0.98863	1.14551	1.31292	0.87690
0.827 - 0.983	0.91796	0.96851	0.83303	0.99220	1.33391	0.80905
0.671 - 0.827	0.72939	0.77668	0.67977	0.81001	0.93917	0.71868
0.514 - 0.671	0.60705	0.66880	0.51575	0.66152	0.81845	0.40641
0.358 - 0.514	0.43821	0.48644	0.36923	0.46822	0.63414	0.33895
0.202 - 0.358	0.28105	0.35695	0.20399	0.32327	0.51841	0.16562
0.046 - 0.202	0.12892	0.19647	0.05363	0.13198	0.26501	0.00046
-0.110 - 0.046	-0.01318	0.04563	-0.10181	0.02464	0.24534	-0.16851
-0.266 - -0.110	-0.19598	-0.11645	-0.26505	-0.16826	0.04068	-0.29971
-0.422 - -0.266	-0.33448	-0.27243	-0.41756	-0.37674	-0.32046	-0.45852
-0.578 - -0.422	-0.51555	-0.44732	-0.57351	-0.56595	-0.33103	-0.88860
-0.734 - -0.578	-0.66086	-0.58190	-0.73400	-0.73944	-0.59657	-0.93451
-0.891 - -0.734	-0.81387	-0.74200	-0.87285	-0.94502	-0.84532	-1.03562
-1.047 - -0.891	-0.98363	-0.90046	-1.04381	-1.15017	-0.93451	-1.29040
-1.203 - -1.047	-1.13613	-1.05900	-1.19896	-1.27770	-1.11166	-1.29040
-1.359 - -1.203	-1.25036	-1.20327	-1.35892	-1.29040	-1.29040	-1.29040

### **Node=End Groups Score Distributions**

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.714 - 1.875	1.87510	1.87510	1.87510	1.92987	1.92987	1.92987
1.552 - 1.714	1.61209	1.64173	1.58131	1.78705	1.86701	1.72308
1.391 - 1.552	1.45494	1.53302	1.39479	1.59835	1.82242	1.46404
1.229 - 1.391	1.30526	1.37490	1.23953	1.49570	1.84202	1.36860
1.068 - 1.229	1.12982	1.21621	1.07056	1.29679	1.45401	1.08384
0.906 - 1.068	0.98970	1.04481	0.90827	1.11354	1.29756	0.88977
0.744 - 0.906	0.81259	0.88153	0.74843	0.88658	1.13168	0.73451
0.583 - 0.744	0.65529	0.73615	0.60314	0.72268	0.84998	0.53897
0.421 - 0.583	0.49958	0.57329	0.42295	0.59119	0.73451	0.45515
0.260 - 0.421	0.32450	0.40120	0.26110	0.36619	0.55237	0.18307
0.098 - 0.260	0.19451	0.25908	0.10728	0.20677	0.40630	-0.02592
-0.063 - 0.098	0.01907	0.09729	-0.06294	0.04231	0.24534	-0.18592
-0.225 - -0.063	-0.13906	-0.07492	-0.21607	-0.14304	0.04068	-0.32046
-0.386 - -0.225	-0.30030	-0.23200	-0.37737	-0.33187	-0.13485	-0.68686
-0.548 - -0.386	-0.48222	-0.39628	-0.54621	-0.54977	-0.15603	-0.93451
-0.709 - -0.548	-0.63619	-0.55831	-0.69750	-0.71660	-0.56812	-1.03562
-0.871 - -0.709	-0.77568	-0.71847	-0.84646	-0.88790	-0.69337	-1.03562
-1.032 - -0.871	-0.96242	-0.87777	-1.01436	-1.16253	-0.94788	-1.29040
-1.194 - -1.032	-1.11893	-1.04337	-1.19056	-1.26698	-1.09174	-1.29040
-1.355 - -1.194	-1.25522	-1.19853	-1.35529	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.566 - 1.719	1.62213	1.71881	1.57326	1.81525	1.92987	1.69276
1.413 - 1.566	1.47880	1.53721	1.41521	1.55700	1.73571	1.44384
1.261 - 1.413	1.33367	1.39581	1.27055	1.48465	1.65655	1.33391
1.108 - 1.261	1.17944	1.25236	1.11010	1.29435	1.51415	1.08384
0.955 - 1.108	1.03171	1.10770	0.96681	1.16862	1.40177	0.88977
0.802 - 0.955	0.89213	0.95119	0.82229	0.96173	1.14199	0.82950
0.650 - 0.802	0.72303	0.78389	0.65357	0.78323	0.93917	0.65182
0.497 - 0.650	0.55057	0.63225	0.50394	0.57748	0.71868	0.25719
0.344 - 0.497	0.40822	0.49439	0.35108	0.42996	0.65182	0.30288
0.192 - 0.344	0.27481	0.34330	0.19301	0.31434	0.47553	0.12760
0.039 - 0.192	0.10140	0.16835	0.04299	0.10075	0.27466	-0.16851
-0.114 - 0.039	-0.02034	0.03526	-0.09775	-0.03099	0.16052	-0.24068
-0.267 - -0.114	-0.20025	-0.12105	-0.26322	-0.21543	-0.10262	-0.36374
-0.419 - -0.267	-0.33440	-0.26920	-0.38725	-0.36224	-0.16851	-0.45852
-0.572 - -0.419	-0.49539	-0.44032	-0.56561	-0.51798	-0.32636	-0.69439
-0.725 - -0.572	-0.64678	-0.59480	-0.71593	-0.74868	-0.56812	-0.93451
-0.877 - -0.725	-0.79846	-0.72886	-0.87369	-0.88118	-0.72860	-1.03562
-1.030 - -0.877	-0.96423	-0.87905	-1.01805	-1.14963	-0.98338	-1.29040
-1.183 - -1.030	-1.11703	-1.03635	-1.18184	-1.26836	-0.94788	-1.29040
-1.336 - -1.183	-1.24565	-1.18345	-1.33563	-1.28667	-1.15235	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.608 - 1.764	1.71145	1.76378	1.64124	1.86477	1.92987	1.82242
1.452 - 1.608	1.52147	1.59866	1.46439	1.61126	1.73571	1.46404
1.297 - 1.452	1.38391	1.44265	1.31106	1.54639	1.86701	1.36860
1.141 - 1.297	1.21381	1.29125	1.14158	1.32132	1.46404	1.08384
0.985 - 1.141	1.08079	1.13957	0.99067	1.17451	1.33863	1.02925
0.829 - 0.985	0.92216	0.97898	0.82947	1.03786	1.22737	0.85495
0.673 - 0.829	0.75795	0.82451	0.67471	0.83140	0.97422	0.69704
0.518 - 0.673	0.58302	0.64251	0.53548	0.67699	0.84998	0.55237
0.362 - 0.518	0.43919	0.50117	0.36685	0.47824	0.73451	0.33895
0.206 - 0.362	0.26798	0.33367	0.22096	0.29632	0.40630	0.16562
0.050 - 0.206	0.10670	0.20275	0.05267	0.13542	0.26501	0.01250
-0.105 - 0.050	-0.01897	0.04099	-0.09849	-0.03968	0.17344	-0.24068
-0.261 - -0.105	-0.19220	-0.11326	-0.26012	-0.21152	-0.02953	-0.36374
-0.417 - -0.261	-0.33082	-0.26213	-0.39587	-0.35781	-0.24068	-0.45852
-0.573 - -0.417	-0.49509	-0.41868	-0.56082	-0.55490	-0.32046	-0.72191
-0.728 - -0.573	-0.66989	-0.57693	-0.72500	-0.75420	-0.57867	-0.93451
-0.884 - -0.728	-0.79042	-0.75595	-0.88257	-0.91819	-0.72860	-1.09174
-1.040 - -0.884	-0.98922	-0.90291	-1.03422	-1.10362	-0.93451	-1.29040
-1.196 - -1.040	-1.12990	-1.04160	-1.19305	-1.28399	-1.15235	-1.29040
-1.351 - -1.196	-1.24250	-1.19615	-1.35136	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.590 - 1.746	1.69938	1.74624	1.66528	1.84134	1.92987	1.77106
1.435 - 1.590	1.49642	1.55686	1.43887	1.64618	1.86701	1.43354
1.279 - 1.435	1.34290	1.41835	1.28643	1.49590	1.65655	1.34813
1.123 - 1.279	1.19241	1.27590	1.14615	1.29742	1.46801	1.08384
0.967 - 1.123	1.04683	1.11910	0.96803	1.18974	1.40177	0.99671
0.811 - 0.967	0.89497	0.96397	0.81700	0.99638	1.17083	0.82950
0.656 - 0.811	0.74101	0.80872	0.65751	0.80945	0.93917	0.65182
0.500 - 0.656	0.58761	0.65168	0.50947	0.65871	0.83692	0.40630
0.344 - 0.500	0.43361	0.49619	0.34669	0.47564	0.62815	0.33009
0.188 - 0.344	0.26923	0.33854	0.18938	0.31575	0.47553	0.12760
0.032 - 0.188	0.09079	0.18061	0.03787	0.11690	0.32113	-0.02592
-0.124 - 0.032	-0.03052	0.02889	-0.11987	-0.02181	0.16052	-0.30409
-0.279 - -0.124	-0.20675	-0.13213	-0.27232	-0.19477	0.01410	-0.33103
-0.435 - -0.279	-0.38952	-0.28863	-0.43006	-0.40411	-0.16851	-0.59657
-0.591 - -0.435	-0.51314	-0.44266	-0.59007	-0.59264	-0.40813	-0.76554
-0.747 - -0.591	-0.64953	-0.59271	-0.73216	-0.72591	-0.56687	-0.93451
-0.903 - -0.747	-0.79793	-0.74955	-0.89141	-0.90703	-0.69337	-1.07430
-1.058 - -0.903	-0.98354	-0.90542	-1.05589	-1.16909	-0.93451	-1.29040
-1.214 - -1.058	-1.14402	-1.06135	-1.21414	-1.27697	-1.03562	-1.29040
-1.370 - -1.214	-1.27407	-1.21663	-1.37006	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.732 - 1.894	1.89396	1.89396	1.89396	1.92987	1.92987	1.92987
1.571 - 1.732	1.63970	1.69146	1.60729	1.80254	1.86701	1.69276
1.409 - 1.571	1.47552	1.54624	1.43016	1.63930	1.77106	1.44384
1.247 - 1.409	1.32611	1.40837	1.25155	1.49591	1.65655	1.34813
1.086 - 1.247	1.16492	1.24232	1.09413	1.31119	1.46404	1.12236
0.924 - 1.086	1.01698	1.08383	0.92589	1.14894	1.40177	0.99671
0.762 - 0.924	0.87204	0.91483	0.79548	0.89873	1.16250	0.71868
0.601 - 0.762	0.67839	0.75947	0.61521	0.75737	0.97422	0.60373
0.439 - 0.601	0.51850	0.58689	0.44333	0.55198	0.93917	0.33009
0.277 - 0.439	0.35869	0.43229	0.29371	0.39254	0.51841	0.24534
0.116 - 0.277	0.19703	0.26885	0.11908	0.22999	0.51841	0.06961
-0.046 - 0.116	0.04511	0.10765	-0.04381	0.08775	0.34189	-0.07171
-0.208 - -0.046	-0.13017	-0.06890	-0.20711	-0.14891	-0.01343	-0.39203
-0.369 - -0.208	-0.28386	-0.21450	-0.36818	-0.30157	-0.13485	-0.45852
-0.531 - -0.369	-0.44527	-0.37261	-0.52645	-0.50175	-0.34179	-0.62748
-0.693 - -0.531	-0.60280	-0.53196	-0.68627	-0.70583	-0.32636	-0.93451
-0.854 - -0.693	-0.77680	-0.69780	-0.84506	-0.85961	-0.64842	-1.09174
-1.016 - -0.854	-0.94838	-0.87821	-1.01540	-1.13330	-0.93451	-1.29040
-1.178 - -1.016	-1.11349	-1.02508	-1.17548	-1.26464	-1.07430	-1.29040
-1.339 - -1.178	-1.23749	-1.18068	-1.33937	-1.28609	-1.15235	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.643 - 1.803	1.75500	1.80322	1.70678	1.87614	1.92987	1.82242
1.483 - 1.643	1.54595	1.64052	1.50009	1.67773	1.80838	1.54878
1.322 - 1.483	1.37885	1.45870	1.32775	1.50226	1.63777	1.40177
1.162 - 1.322	1.23157	1.32084	1.16235	1.39085	1.65655	1.12236
1.001 - 1.162	1.10093	1.16114	1.00519	1.24304	1.53621	1.08384
0.841 - 1.001	0.91227	0.99650	0.85554	1.03641	1.22737	0.85049
0.681 - 0.841	0.76100	0.82888	0.69096	0.81923	0.93917	0.67477
0.520 - 0.681	0.60612	0.67770	0.52941	0.68322	0.85495	0.42224
0.360 - 0.520	0.42122	0.50827	0.36436	0.47932	0.79170	0.32113
0.200 - 0.360	0.27809	0.34920	0.20235	0.28704	0.38174	0.16112
0.039 - 0.200	0.12683	0.19631	0.06253	0.11768	0.28418	-0.07171
-0.121 - 0.039	-0.03784	0.03590	-0.11111	-0.03873	0.17012	-0.24068
-0.281 - -0.121	-0.20464	-0.12972	-0.27866	-0.19631	-0.02189	-0.45852
-0.442 - -0.281	-0.37659	-0.29052	-0.44014	-0.43454	-0.24068	-0.69337
-0.602 - -0.442	-0.52315	-0.45616	-0.59436	-0.56788	-0.39203	-0.69439
-0.762 - -0.602	-0.67894	-0.60231	-0.76144	-0.77949	-0.56812	-0.93451
-0.923 - -0.762	-0.85440	-0.76292	-0.91775	-0.96019	-0.72860	-1.29040
-1.083 - -0.923	-1.02124	-0.93306	-1.07664	-1.17841	-0.84532	-1.29040
-1.244 - -1.083	-1.16124	-1.08889	-1.24351	-1.28611	-1.15235	-1.29040
-1.404 - -1.244	-1.28732	-1.24660	-1.40393	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.636 - 1.795	1.73481	1.79511	1.67098	1.85692	1.92987	1.80838
1.477 - 1.636	1.51270	1.53101	1.50059	1.61744	1.69276	1.50288
1.318 - 1.477	1.38532	1.46719	1.32185	1.52641	1.84202	1.35721
1.160 - 1.318	1.24109	1.31616	1.17293	1.38408	1.55764	1.08384
1.001 - 1.160	1.07756	1.15398	1.00705	1.20150	1.44384	0.99671
0.842 - 1.001	0.95232	0.99716	0.90856	1.01784	1.17083	0.86781
0.683 - 0.842	0.77024	0.81953	0.70186	0.83211	1.02925	0.68341
0.524 - 0.683	0.63253	0.68168	0.53436	0.72889	0.93917	0.57848
0.365 - 0.524	0.47710	0.52291	0.41112	0.50045	0.65182	0.28418
0.206 - 0.365	0.28982	0.36406	0.21046	0.33845	0.45315	0.17344
0.048 - 0.206	0.13029	0.20201	0.05589	0.15701	0.32306	-0.02592
-0.111 - 0.048	-0.03088	0.03964	-0.10655	-0.02310	0.11522	-0.16851
-0.270 - -0.111	-0.21239	-0.11595	-0.26959	-0.26957	-0.02557	-0.53830
-0.429 - -0.270	-0.37457	-0.28310	-0.42361	-0.36802	-0.13485	-0.56687
-0.588 - -0.429	-0.50582	-0.42948	-0.58621	-0.52922	-0.32636	-0.72191
-0.747 - -0.588	-0.67595	-0.60637	-0.74393	-0.76769	-0.62748	-0.93451
-0.906 - -0.747	-0.80150	-0.74729	-0.89745	-0.89385	-0.69337	-1.03562
-1.065 - -0.906	-1.00095	-0.91187	-1.06140	-1.18774	-0.94788	-1.29040
-1.223 - -1.065	-1.15255	-1.06899	-1.21833	-1.27618	-1.15235	-1.29040
-1.382 - -1.223	-1.26467	-1.22385	-1.38228	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.730 - 1.894	1.89396	1.89396	1.89396	1.92987	1.92987	1.92987
1.566 - 1.730	1.64202	1.71328	1.57224	1.80370	1.86701	1.73571
1.403 - 1.566	1.48566	1.54624	1.41435	1.57886	1.77106	1.43354
1.239 - 1.403	1.32892	1.39782	1.24155	1.50334	1.84202	1.30987
1.075 - 1.239	1.15986	1.22822	1.09579	1.28668	1.45401	1.10974
0.911 - 1.075	0.99219	1.07207	0.91198	1.04323	1.33391	-0.07171
0.747 - 0.911	0.80149	0.90856	0.75131	0.90397	1.43759	0.73451
0.583 - 0.747	0.66918	0.74248	0.58458	0.64716	1.33863	-1.29040
0.420 - 0.583	0.48224	0.57360	0.42279	0.43099	1.82242	-1.29040
0.256 - 0.420	0.32738	0.41400	0.26110	0.41180	1.41251	-1.21823
0.092 - 0.256	0.18511	0.25329	0.10647	0.02136	1.43146	-1.29040
-0.072 - 0.092	0.02668	0.08767	-0.06690	0.05422	1.40177	-1.29040
-0.236 - -0.072	-0.15062	-0.07368	-0.23400	-0.12146	1.46801	-1.29040
-0.399 - -0.236	-0.29818	-0.23677	-0.38556	-0.27025	1.72308	-1.29040
-0.563 - -0.399	-0.47692	-0.40344	-0.56284	-0.66973	-0.33103	-1.29040
-0.727 - -0.563	-0.65668	-0.57349	-0.72500	-0.68014	0.63414	-1.29040
-0.891 - -0.727	-0.81111	-0.74200	-0.88243	-0.80790	0.17117	-1.03562
-1.055 - -0.891	-0.98072	-0.89936	-1.04732	-0.97178	1.63777	-1.29040
-1.218 - -1.055	-1.15160	-1.05589	-1.21554	-1.27723	-1.09174	-1.29040
-1.382 - -1.218	-1.25775	-1.22019	-1.38228	-1.29040	-1.29040	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	340
2	^(fold_=2)	350
3	^(fold_=3)	340
4	^(fold_=4)	347
5	^(fold_=5)	346
6	^(fold_=6)	352
7	^(fold_=7)	346
8	^(fold_=8)	330

## SAS Enterprise Miner Report

### Node=HP Neural one layer Summary

Node id = HPNNA3  
 Node label = HP Neural one layer  
 Meta path = Ids => Trans => Grp4 => HPNNA3  
 Notes =

### Node=HP Neural one layer Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	HPDMNeural		MAXITER	300		TargetActivation	IDENTITY	
ARCHITECTURE	LAYER1		MAXLINKS	1000		TargetError	NORMAL	
DIRECTCONN	N		MISSASLVL	N		TargetStd	NONE	RANGE
HIDDEN	4	3	NUMTRIES	2		ToolType	MODEL	
HIDDENLAYERS	3		OPTMETHOD	LBFGS		USEINVERSE	N	
InputStd	RANGE		TableEditor			USEVALID	N	

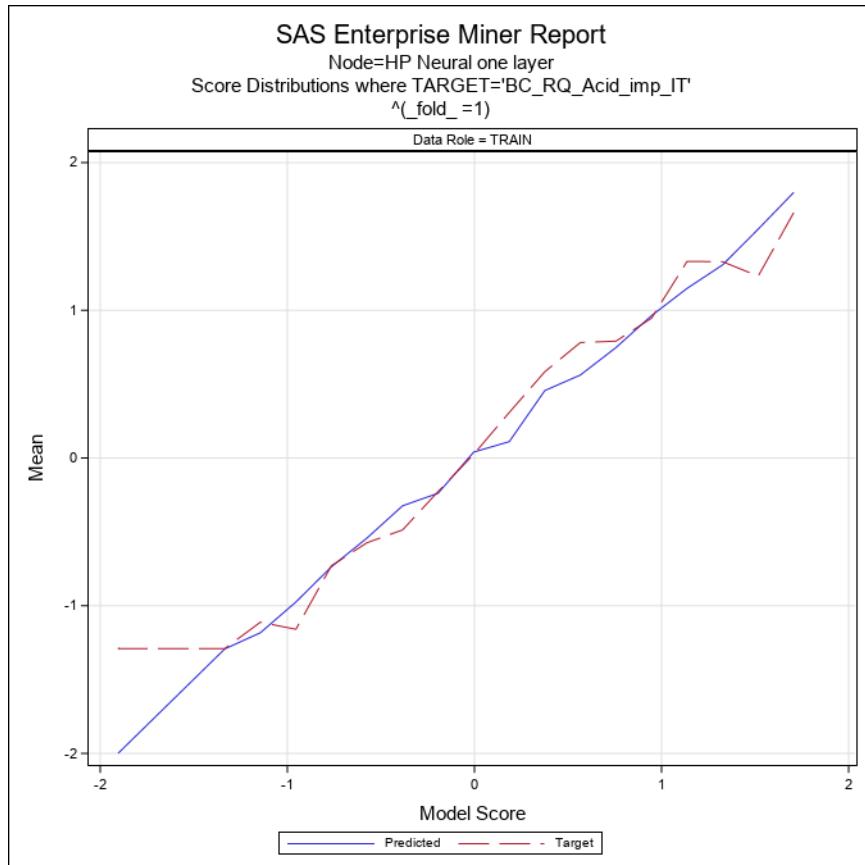
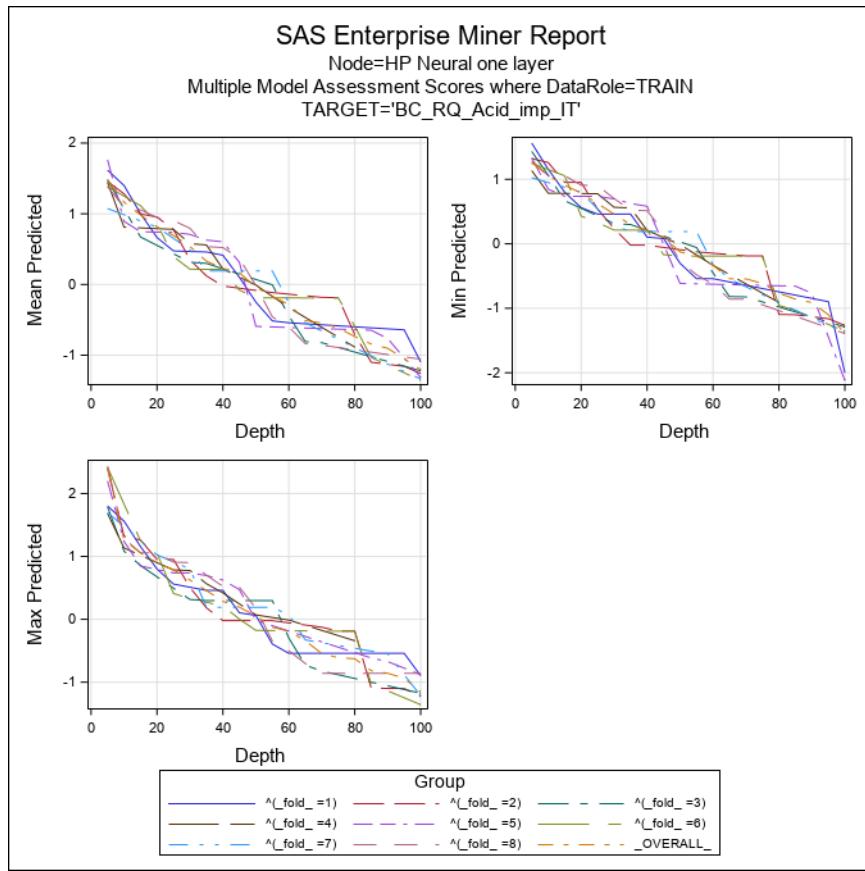
### Node=HP Neural one layer Variable Summary

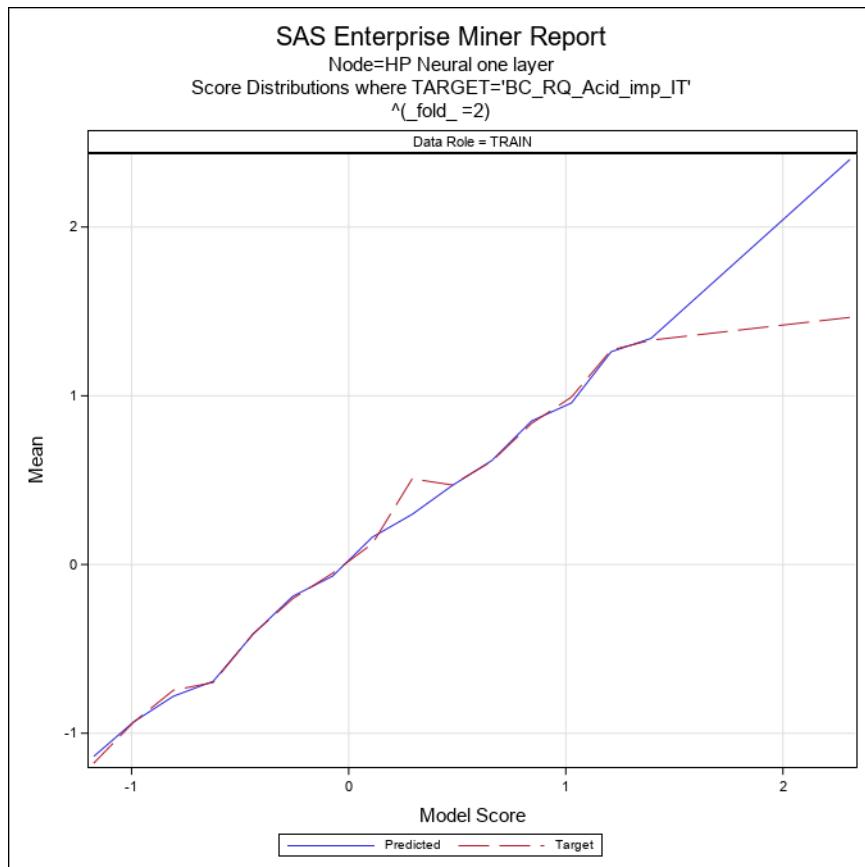
Role	Level	Frequency Count	Name
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

### Node=HP Neural one layer Created Variables Summary

Role	Level	Frequency Count	Name
RESIDUAL	INTERVAL	1	R_BC_RQ_Acid_imp_IT
PREDICT	INTERVAL	1	P_BC_RQ_Acid_imp_IT
INPUT	INTERVAL	1	_XVAL_
ASSESS	NOMINAL	1	_WARN_

Group Index	Group	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	^(fold_=1)	BC_RQ_Acid_imp_IT	0.44049	338	2.59753	338	0.66370	148.887	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	BC_RQ_Acid_imp_IT	0.36271	353	1.98856	353	0.60226	128.037	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	BC_RQ_Acid_imp_IT	0.42483	344	2.46095	344	0.65179	146.143	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	BC_RQ_Acid_imp_IT	0.50295	335	2.05741	335	0.70919	168.489	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	BC_RQ_Acid_imp_IT	0.36923	348	2.15098	348	0.60764	128.493	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	BC_RQ_Acid_imp_IT	0.45170	348	2.18351	348	0.67209	157.191	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	BC_RQ_Acid_imp_IT	0.42727	346	2.09208	346	0.65366	147.836	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	BC_RQ_Acid_imp_IT	0.26839	345	2.19967	345	0.51806	92.595	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	0.56598	393	2.97258	393	0.75232	222.430	ReQuest (acid subscale) (Box-Cox transformed)





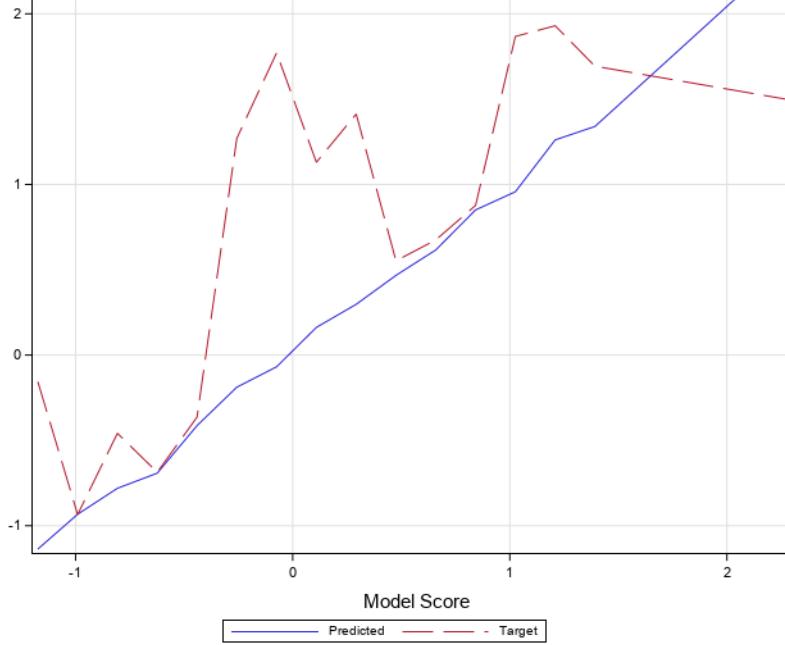
### SAS Enterprise Miner Report

Node=HP Neural one layer

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

Maximum



Model Score

— Predicted — - Target

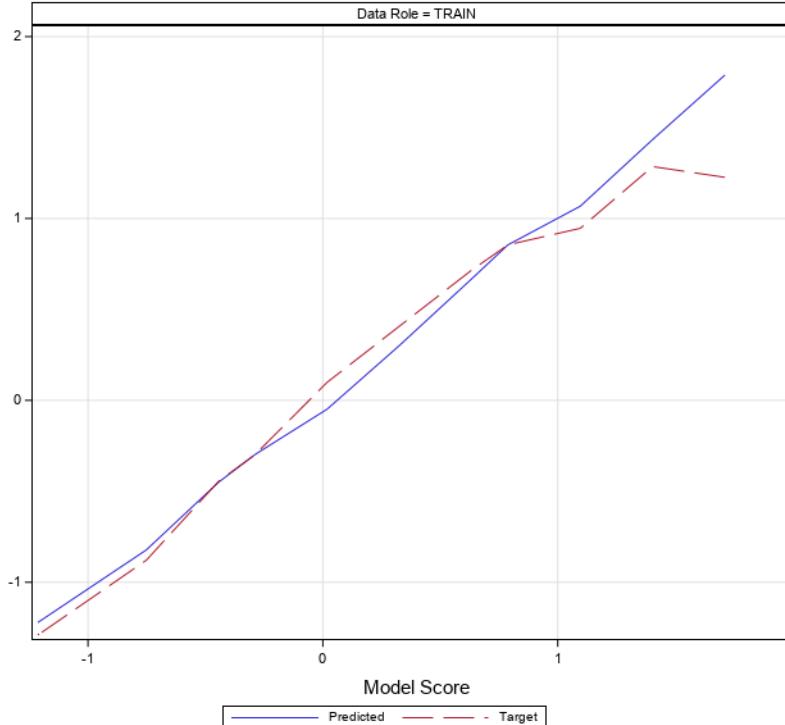
### SAS Enterprise Miner Report

Node=HP Neural one layer

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

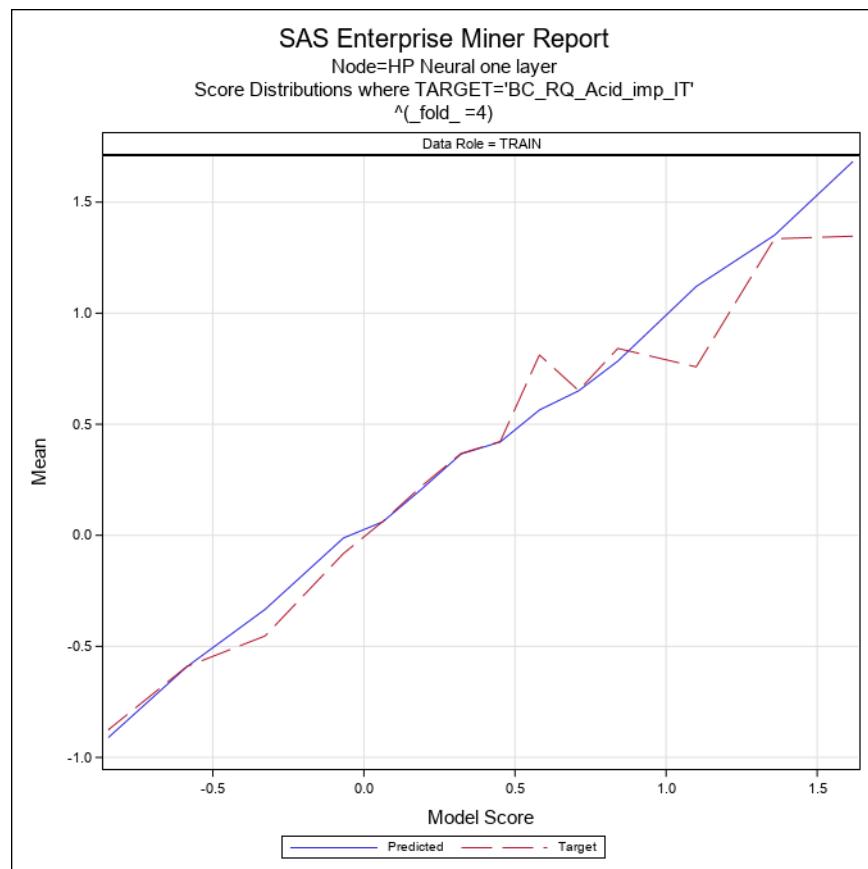
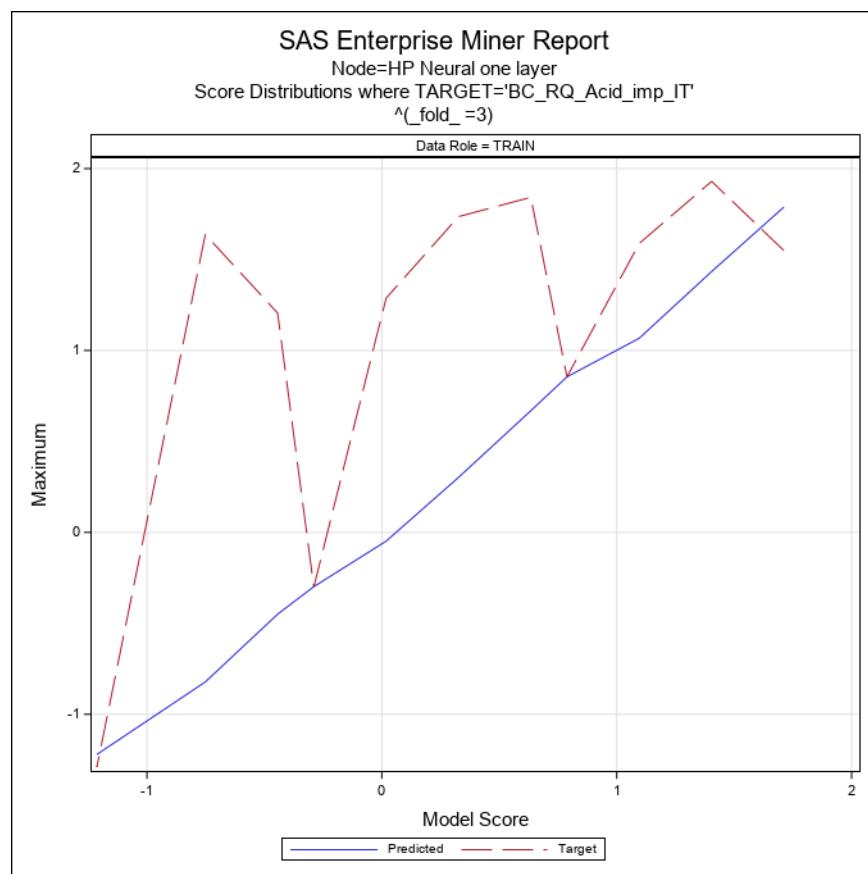
Data Role = TRAIN

Mean



Model Score

— Predicted — - Target

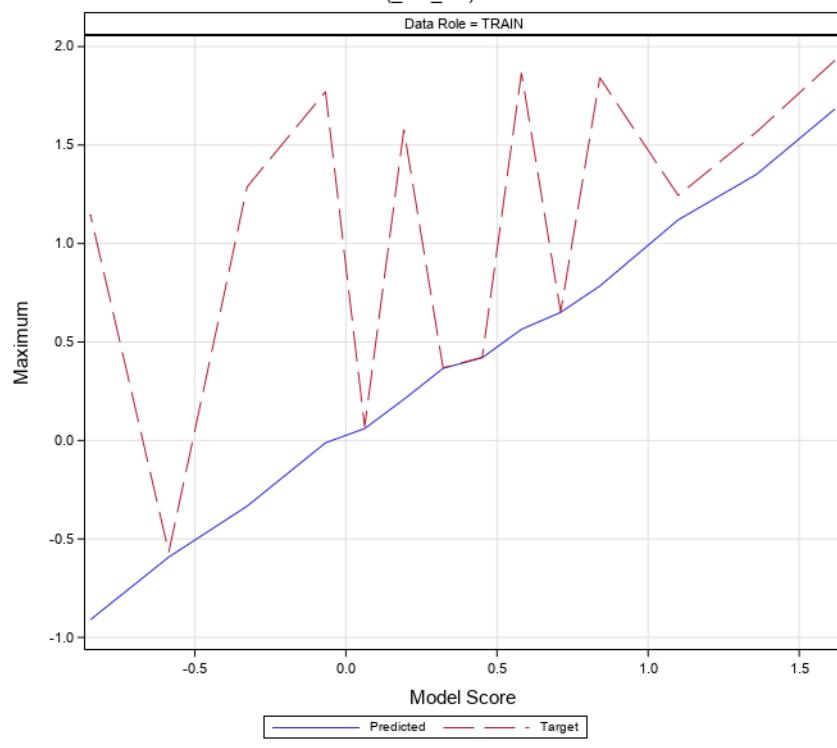


### SAS Enterprise Miner Report

Node=HP Neural one layer

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

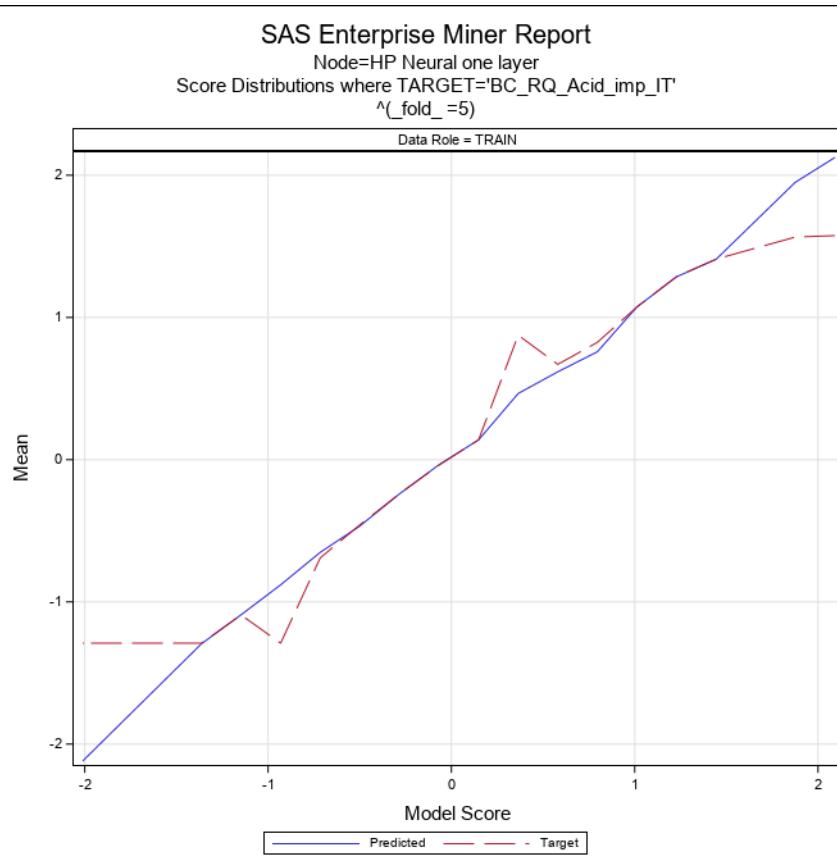


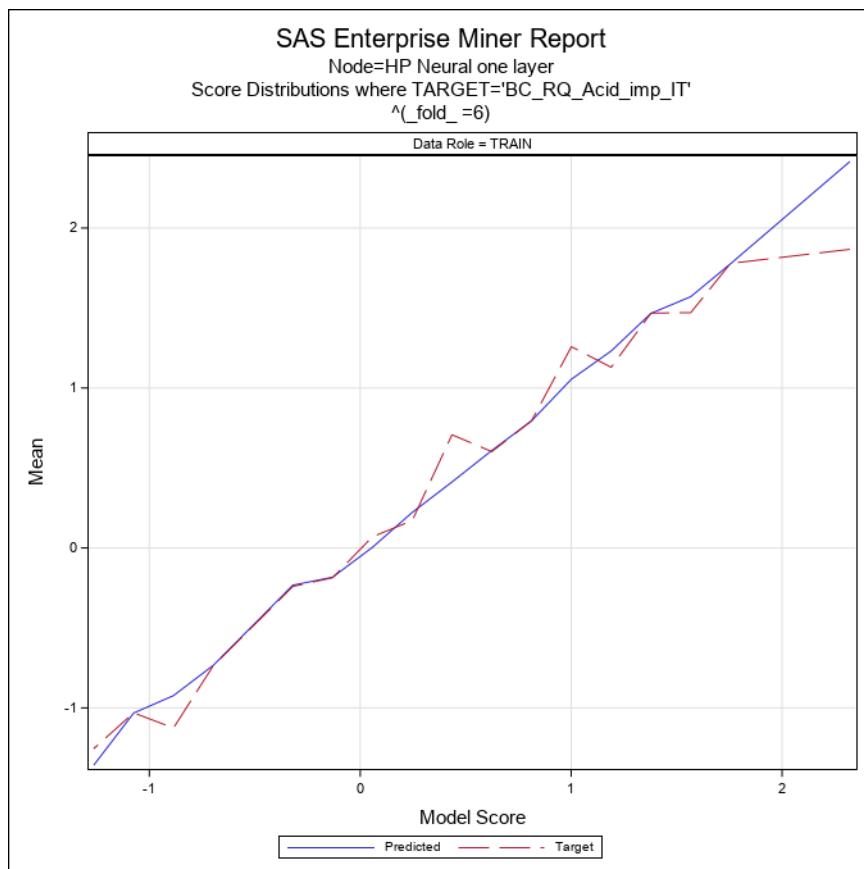
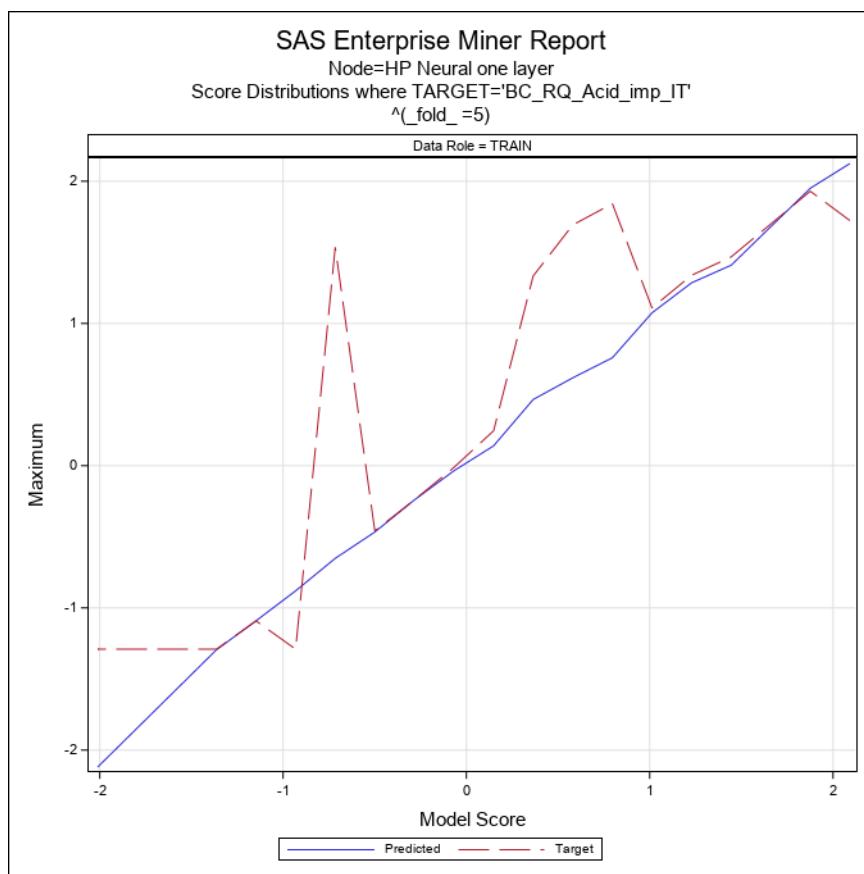
### SAS Enterprise Miner Report

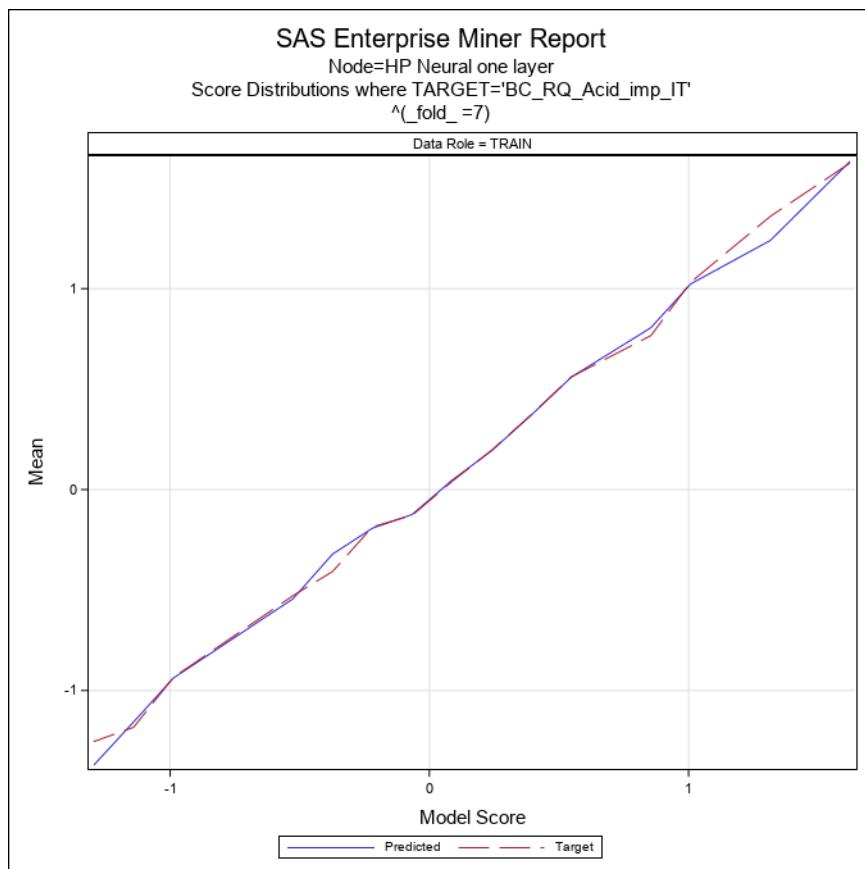
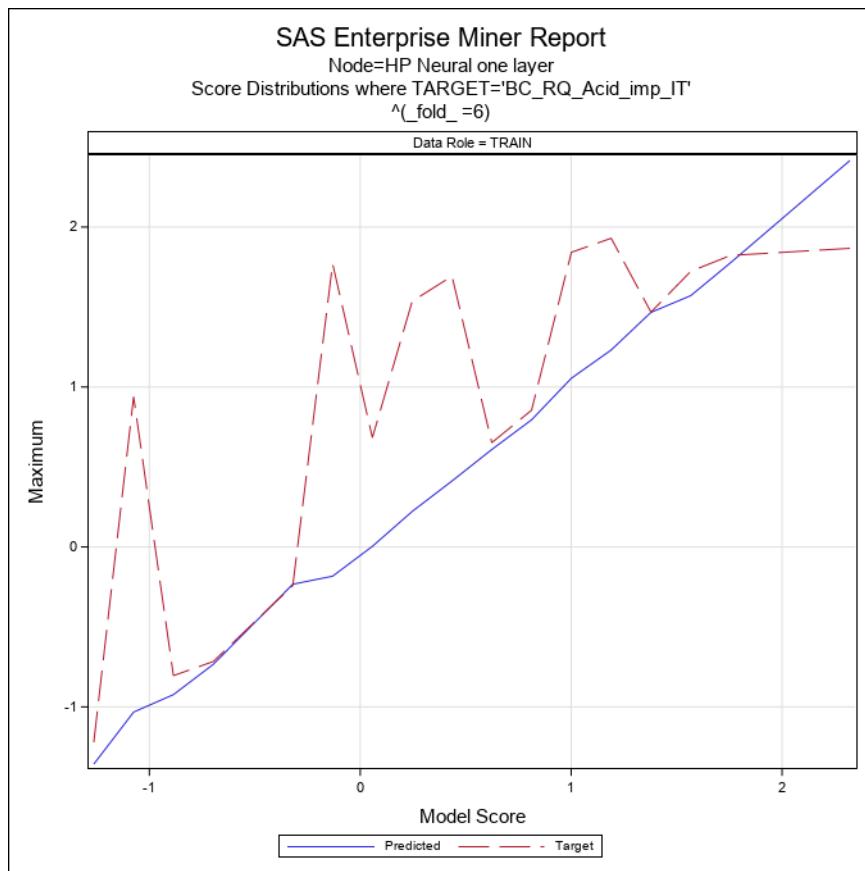
Node=HP Neural one layer

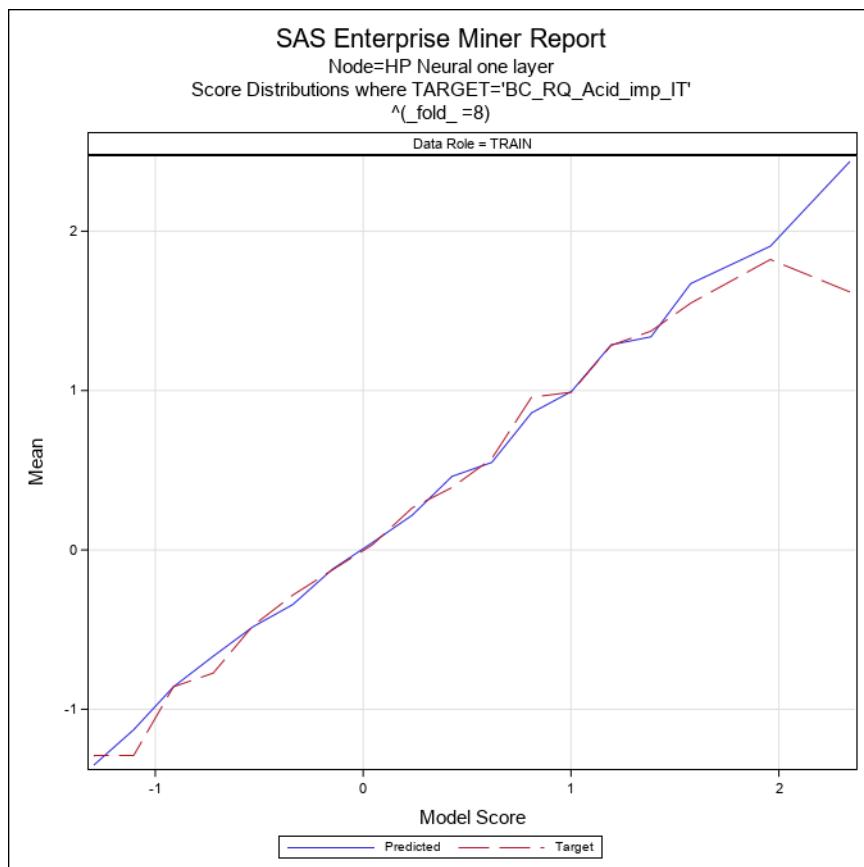
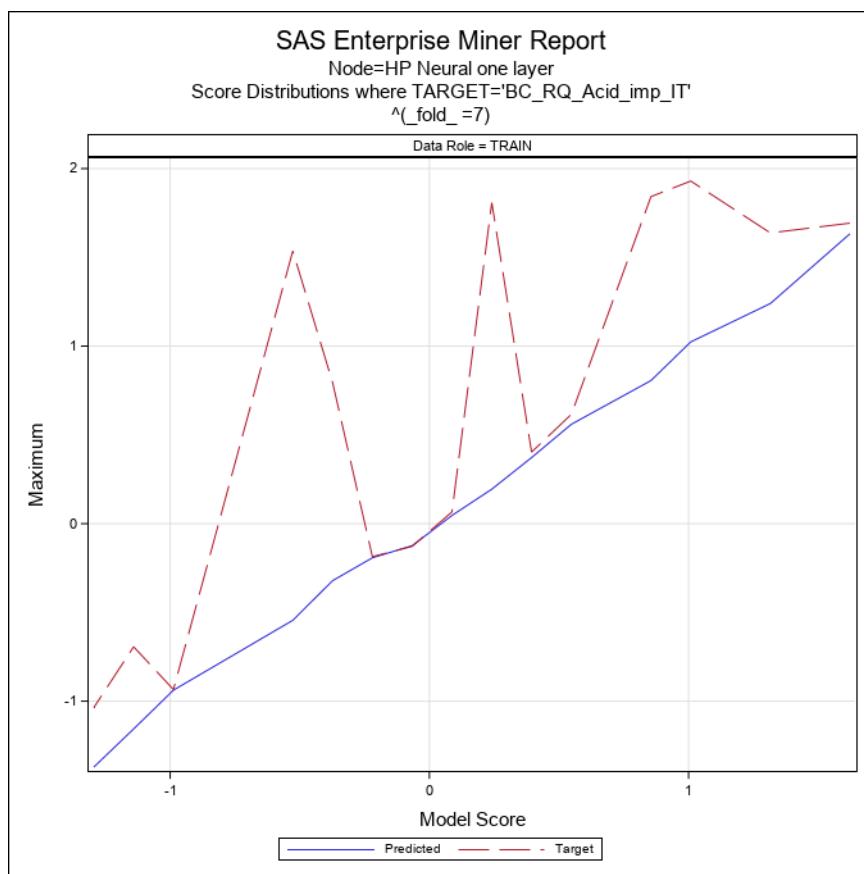
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN







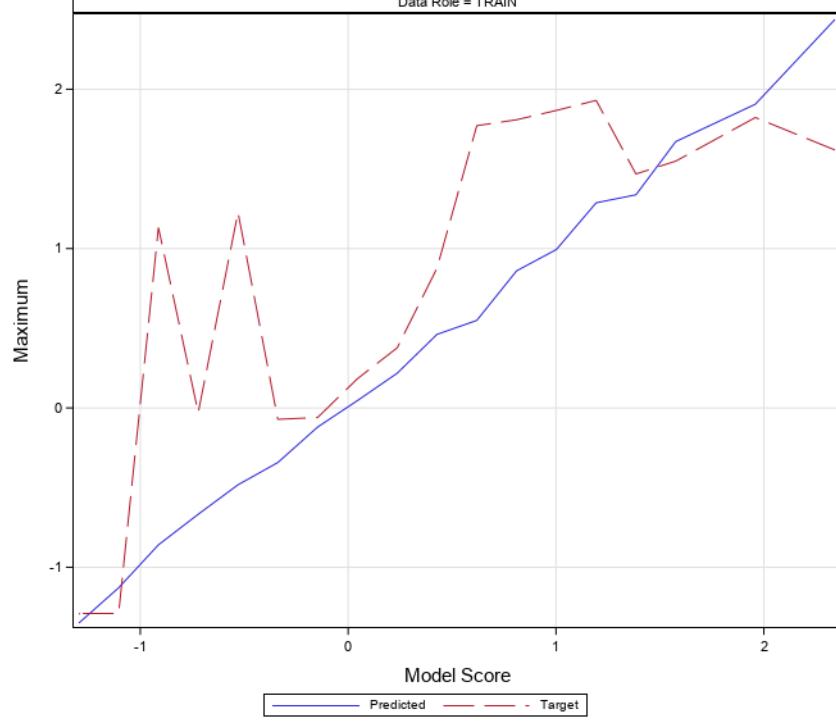


### SAS Enterprise Miner Report

Node=HP Neural one layer

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

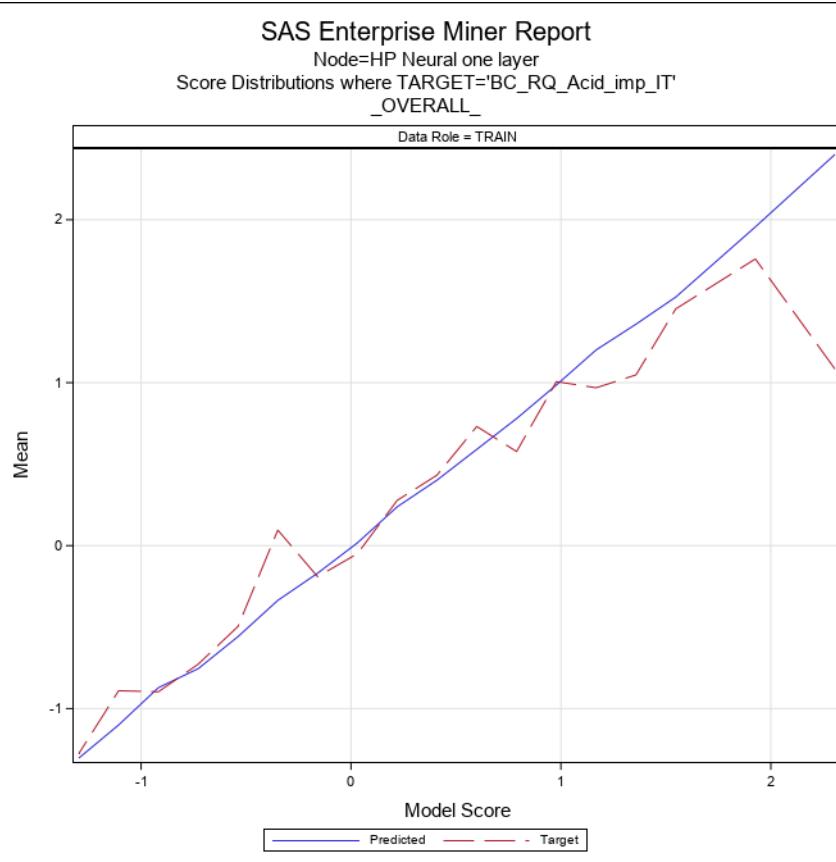


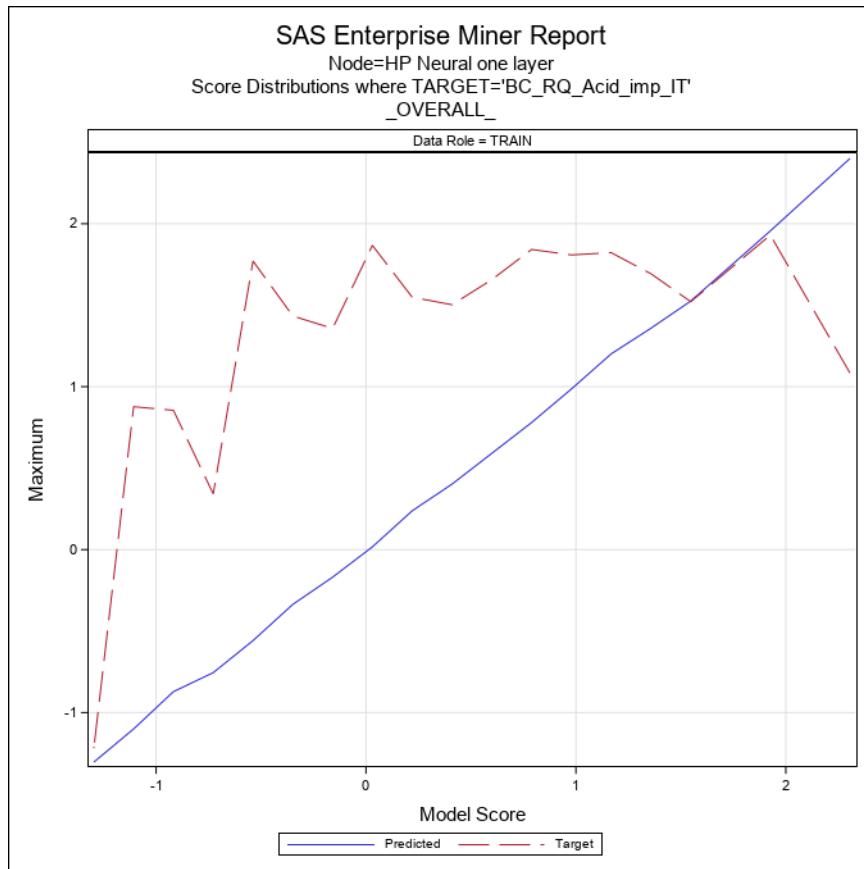
### SAS Enterprise Miner Report

Node=HP Neural one layer

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### **Node=HP Neural one layer** **Score Distributions**

Group= $\wedge(\text{fold\_}=1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.611 - 1.802	1.79816	1.80153	1.78805	1.66113	1.92987	1.08384
1.421 - 1.611	1.54949	1.56191	1.42618	1.23135	1.72308	-1.03562
1.231 - 1.421	1.30740	1.36526	1.26702	1.32901	1.43146	1.23607
1.041 - 1.231	1.14831	1.16170	1.09242	1.33123	1.84202	0.85495
0.851 - 1.041	0.96391	1.03163	0.90373	0.94619	1.12236	0.82644
0.661 - 0.851	0.74755	0.80006	0.69925	0.79108	1.73571	-1.29040
0.471 - 0.661	0.56184	0.63834	0.53096	0.78179	1.51415	0.18307
0.281 - 0.471	0.45645	0.46001	0.31006	0.58408	1.86701	-1.29040
0.091 - 0.281	0.11076	0.24184	0.09160	0.30833	1.55764	-0.93451
-0.099 - 0.091	0.03994	0.08127	-0.02369	0.02484	0.06480	0.00046
-0.289 - -0.099	-0.23835	-0.20091	-0.28717	-0.22699	-0.18592	-0.24068
-0.479 - -0.289	-0.32367	-0.30185	-0.41407	-0.48694	1.20526	-1.29040
-0.669 - -0.479	-0.54184	-0.53898	-0.60290	-0.57375	1.65655	-1.29040
-0.859 - -0.669	-0.73624	-0.69835	-0.79809	-0.72917	-0.69337	-0.76554
-1.049 - -0.859	-0.97493	-0.89753	-0.99815	-1.15970	-0.32636	-1.29040
-1.239 - -1.049	-1.18326	-1.18326	-1.18326	-1.11166	-1.11166	-1.11166
-1.429 - -1.239	-1.29269	-1.27743	-1.30795	-1.29040	-1.29040	-1.29040
-2.000 - -1.810	-1.99962	-1.99962	-1.99962	-1.29040	-1.29040	-1.29040

### **Node=HP Neural one layer** **Score Distributions**

Group=\_fold\_ =2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.217 - 2.400	2.40031	2.40031	2.40031	1.46451	1.49143	1.43759
1.301 - 1.484	1.33976	1.42542	1.31887	1.32933	1.69276	0.61604
1.117 - 1.301	1.26077	1.26708	1.26019	1.27089	1.92987	-0.24068
0.934 - 1.117	0.95707	1.10476	0.95083	0.99160	1.86701	-1.03562
0.751 - 0.934	0.85053	0.87590	0.82095	0.83629	0.87690	0.80905
0.567 - 0.751	0.61603	0.67415	0.56940	0.61160	0.67477	0.57270
0.384 - 0.567	0.46699	0.54384	0.38929	0.47150	0.55237	0.37720
0.201 - 0.384	0.29743	0.34700	0.23668	0.50798	1.41251	0.01250
0.018 - 0.201	0.16226	0.18244	0.02460	0.12342	1.12996	-0.93451
-0.166 - 0.018	-0.06883	-0.02183	-0.13095	-0.05126	1.77106	-1.29040
-0.349 - -0.166	-0.18834	-0.16673	-0.24322	-0.20208	1.26974	-1.29040
-0.532 - -0.349	-0.41355	-0.36577	-0.46134	-0.41113	-0.36374	-0.45852
-0.716 - -0.532	-0.69218	-0.68328	-0.70449	-0.69907	-0.68686	-0.72267
-0.899 - -0.716	-0.78069	-0.71757	-0.80017	-0.74512	-0.45852	-0.98338
-1.082 - -0.899	-0.93299	-0.92770	-0.93829	-0.93451	-0.93451	-0.93451
-1.265 - -1.082	-1.13699	-1.09216	-1.26549	-1.17689	-0.15603	-1.29040

## Node=HP Neural one layer Score Distributions

Group=\_fold\_ =3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.635 - 1.789	1.78864	1.78864	1.78864	1.22630	1.54878	0.61604
1.327 - 1.481	1.43382	1.43670	1.43237	1.28534	1.92987	0.33895
1.019 - 1.173	1.06739	1.08393	1.06330	0.94596	1.58869	0.13852
0.711 - 0.865	0.85500	0.85500	0.85500	0.85495	0.85495	0.85495
0.557 - 0.711	0.66859	0.69675	0.66727	0.71665	1.84202	-1.29040
0.249 - 0.403	0.30189	0.31533	0.29819	0.40809	1.73571	-1.29040
-0.059 - 0.095	-0.04828	0.06604	-0.05807	0.09931	1.28782	-1.29040
-0.367 - -0.213	-0.29847	-0.29847	-0.29847	-0.29971	-0.29971	-0.29971
-0.521 - -0.367	-0.44977	-0.44977	-0.44977	-0.44471	1.20526	-1.29040
-0.828 - -0.675	-0.82214	-0.72917	-0.82317	-0.87874	1.63777	-1.29040
-1.290 - -1.136	-1.22119	-1.17511	-1.29032	-1.29040	-1.29040	-1.29040

## Node=HP Neural one layer Score Distributions

Group=\_fold\_ =4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.553 - 1.683	1.68310	1.68312	1.68300	1.34670	1.92987	0.40630
1.294 - 1.424	1.35131	1.35404	1.33384	1.33514	1.56639	1.08384
1.035 - 1.164	1.12013	1.13490	1.10535	0.75827	1.24406	-0.02953
0.775 - 0.905	0.78412	0.78471	0.77600	0.84149	1.84202	-0.93451
0.646 - 0.775	0.65047	0.65047	0.65047	0.65182	0.65182	0.65182
0.516 - 0.646	0.56421	0.56580	0.55714	0.81198	1.86701	-0.59657
0.386 - 0.516	0.42033	0.42033	0.42033	0.42224	0.42224	0.42224
0.257 - 0.386	0.36603	0.36603	0.36603	0.36845	0.36845	0.36845
0.127 - 0.257	0.20880	0.23645	0.20690	0.22261	1.57848	-1.29040
-0.003 - 0.127	0.06055	0.07023	0.05087	0.06162	0.06961	0.05362
-0.132 - -0.003	-0.01196	-0.01172	-0.01197	-0.08191	1.77106	-1.29040
-0.392 - -0.262	-0.33337	-0.33266	-0.36395	-0.45304	1.28782	-1.29040
-0.651 - -0.521	-0.59213	-0.57069	-0.62605	-0.59101	-0.56687	-0.62748
-0.910 - -0.781	-0.91041	-0.90981	-0.91042	-0.87554	1.14698	-1.29040

## Node=HP Neural one layer Score Distributions

Group= $\wedge$ (fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.984 - 2.200	2.12481	2.20028	2.08707	1.57529	1.72308	1.45401
1.768 - 1.984	1.95065	1.97693	1.93488	1.56523	1.92987	1.12236
1.336 - 1.552	1.40925	1.46574	1.34566	1.41030	1.46801	1.34813
1.120 - 1.336	1.28573	1.33252	1.23895	1.28735	1.33863	1.23607
0.904 - 1.120	1.07423	1.10793	1.03356	1.07428	1.10974	1.02925
0.688 - 0.904	0.75872	0.85884	0.69562	0.82484	1.84202	-1.29040
0.472 - 0.688	0.61774	0.62448	0.58243	0.67024	1.69276	-0.36374
0.256 - 0.472	0.46530	0.47229	0.40942	0.87527	1.33391	0.40322
0.040 - 0.256	0.13936	0.25566	0.04134	0.13969	0.24534	0.05362
-0.176 - 0.040	-0.03577	-0.00799	-0.06227	-0.03824	-0.01183	-0.07171
-0.392 - -0.176	-0.24081	-0.24081	-0.24081	-0.24068	-0.24068	-0.24068
-0.608 - -0.392	-0.46677	-0.45938	-0.47415	-0.45852	-0.45852	-0.45852
-0.824 - -0.608	-0.65169	-0.60994	-0.76696	-0.69065	1.53621	-1.29040
-1.039 - -0.824	-0.88017	-0.88017	-0.88017	-1.29040	-1.29040	-1.29040
-1.255 - -1.039	-1.09090	-1.09090	-1.09090	-1.09174	-1.09174	-1.09174
-1.471 - -1.255	-1.29474	-1.29030	-1.30301	-1.29040	-1.29040	-1.29040
-2.119 - -1.903	-2.11941	-2.11941	-2.11941	-1.29040	-1.29040	-1.29040

## Node=HP Neural one layer Score Distributions

Group= $\wedge$ (fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.228 - 2.416	2.41619	2.41619	2.41619	1.86701	1.86701	1.86701
1.661 - 1.850	1.77686	1.81595	1.73776	1.77906	1.82242	1.73571
1.473 - 1.661	1.57106	1.57406	1.56057	1.47113	1.72308	1.33391
1.284 - 1.473	1.46661	1.46661	1.46661	1.46801	1.46801	1.46801
1.095 - 1.284	1.23131	1.25563	1.11438	1.12935	1.92987	-0.93451
0.907 - 1.095	1.05469	1.05482	1.05270	1.25818	1.84202	0.32306
0.718 - 0.907	0.79477	0.85696	0.73257	0.79473	0.85495	0.73451
0.529 - 0.718	0.60917	0.67504	0.53814	0.60227	0.65182	0.53897
0.341 - 0.529	0.41227	0.47240	0.40687	0.70760	1.69276	-0.84532
0.152 - 0.341	0.22192	0.33252	0.21266	0.17101	1.53621	-1.29040
-0.037 - 0.152	0.00381	0.00381	0.00381	0.06981	0.68341	-0.69337
-0.225 - -0.037	-0.18289	-0.07917	-0.20144	-0.18615	1.77106	-1.29040
-0.414 - -0.225	-0.23302	-0.23302	-0.23302	-0.24068	-0.24068	-0.24068
-0.792 - -0.603	-0.73440	-0.71164	-0.76724	-0.73696	-0.71673	-0.76554
-0.980 - -0.792	-0.92346	-0.79840	-0.95450	-1.12592	-0.80438	-1.29040
-1.169 - -0.980	-1.03240	-1.02872	-1.03250	-1.03083	0.93917	-1.29040
-1.358 - -1.169	-1.35757	-1.35757	-1.35757	-1.25432	-1.21823	-1.29040

## Node=HP Neural one layer Score Distributions

Group= $\wedge$ (fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.546 - 1.699	1.63293	1.69929	1.56656	1.62520	1.69276	1.55764
1.239 - 1.392	1.23993	1.23993	1.23993	1.36001	1.63777	0.93917
0.932 - 1.085	1.02378	1.02378	1.02378	1.03225	1.92987	-0.24068
0.778 - 0.932	0.80596	0.86943	0.80026	0.76665	1.84202	-1.29040
0.471 - 0.625	0.55983	0.61983	0.48938	0.56105	0.61604	0.48548

Group=\_fold\_ =7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.318 - 0.471	0.37221	0.39921	0.33826	0.37391	0.40322	0.33895
0.164 - 0.318	0.19412	0.30250	0.19086	0.19620	1.80838	-1.29040
0.010 - 0.164	0.04621	0.06985	0.02257	0.04023	0.06635	0.01410
-0.143 - 0.010	-0.12401	-0.12401	-0.12401	-0.12797	-0.12797	-0.12797
-0.297 - -0.143	-0.19228	-0.19228	-0.19228	-0.18592	-0.18592	-0.18592
-0.450 - -0.297	-0.32117	-0.30181	-0.32815	-0.40773	0.79471	-1.29040
-0.604 - -0.450	-0.54437	-0.54430	-0.55004	-0.52844	1.53621	-1.29040
-1.064 - -0.911	-0.93793	-0.93716	-0.93869	-0.93451	-0.93451	-0.93451
-1.218 - -1.064	-1.15633	-1.09905	-1.21658	-1.18306	-0.69337	-1.29040
-1.371 - -1.218	-1.37117	-1.37064	-1.37127	-1.25401	-1.03562	-1.29040

## Node=HP Neural one layer Score Distributions

Group=\_fold\_ =8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.246 - 2.438	2.43765	2.43765	2.43765	1.61852	1.61852	1.61852
1.863 - 2.055	1.90590	1.90590	1.90590	1.82242	1.82242	1.82242
1.480 - 1.672	1.67142	1.67142	1.67142	1.54878	1.54878	1.54878
1.289 - 1.480	1.33738	1.36580	1.31059	1.37288	1.46801	1.24885
1.097 - 1.289	1.28710	1.28715	1.28615	1.28376	1.92987	0.16562
0.906 - 1.097	0.99397	1.05606	0.90810	0.98944	1.86701	-1.29040
0.715 - 0.906	0.86010	0.90295	0.74598	0.95838	1.80838	0.12270
0.523 - 0.715	0.54905	0.70861	0.52318	0.57334	1.77106	-1.15235
0.332 - 0.523	0.46143	0.52285	0.34216	0.39146	0.87690	0.08931
0.140 - 0.332	0.21774	0.28113	0.15964	0.26371	0.37720	0.11898
-0.051 - 0.140	0.04578	0.13040	-0.04373	0.03210	0.18307	-0.24068
-0.243 - -0.051	-0.12022	-0.06440	-0.20141	-0.12496	-0.06021	-0.16851
-0.434 - -0.243	-0.34286	-0.27222	-0.41738	-0.28345	-0.07171	-0.45852
-0.626 - -0.434	-0.48238	-0.45499	-0.57525	-0.47581	1.22737	-1.29040
-0.817 - -0.626	-0.66728	-0.62711	-0.76400	-0.77302	-0.02953	-1.29040
-1.008 - -0.817	-0.85933	-0.85425	-1.00836	-0.85917	1.13168	-1.29040
-1.200 - -1.008	-1.12884	-1.01299	-1.18718	-1.29040	-1.29040	-1.29040
-1.391 - -1.200	-1.35029	-1.32518	-1.39135	-1.29040	-1.29040	-1.29040

## Node=HP Neural one layer Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.211 - 2.400	2.40031	2.40031	2.40031	1.08384	1.08384	1.08384
1.832 - 2.021	1.95591	1.97693	1.93488	1.75928	1.92987	1.58869
1.452 - 1.642	1.52531	1.56191	1.46661	1.45273	1.52157	1.36860
1.263 - 1.452	1.35873	1.43670	1.28715	1.04750	1.69276	-0.93451
1.073 - 1.263	1.20107	1.26030	1.10535	0.96873	1.82242	-1.29040
0.884 - 1.073	0.98558	1.06330	0.90125	1.00644	1.80838	-0.01343
0.694 - 0.884	0.77980	0.84788	0.69564	0.57734	1.84202	-1.29040
0.504 - 0.694	0.59070	0.66727	0.51332	0.73123	1.65655	-1.21823
0.315 - 0.504	0.40187	0.48042	0.31533	0.43250	1.50288	-0.45852
0.125 - 0.315	0.23804	0.29819	0.18244	0.27764	1.54878	-1.29040
-0.064 - 0.125	0.01698	0.10376	-0.05374	-0.04969	1.86701	-1.29040
-0.254 - -0.064	-0.16923	-0.11055	-0.23302	-0.19060	1.35721	-1.29040
-0.443 - -0.254	-0.33605	-0.29847	-0.39318	0.09540	1.43354	-0.56812
-0.633 - -0.443	-0.55839	-0.44977	-0.62711	-0.49581	1.77106	-1.29040

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.823 - -0.633	-0.75510	-0.65474	-0.81743	-0.72749	0.34189	-1.29040
-1.012 - -0.823	-0.87154	-0.82317	-0.99815	-0.89679	0.85495	-1.29040
-1.202 - -1.012	-1.10055	-1.02641	-1.16196	-0.89061	0.87690	-1.29040
-1.391 - -1.202	-1.30380	-1.21429	-1.39135	-1.27597	-1.21823	-1.29040

## Node=HP Neural one layer

### Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	338
2	^(fold_=2)	344
3	^(fold_=3)	347
4	^(fold_=4)	353
5	^(fold_=5)	350
6	^(fold_=6)	347
7	^(fold_=7)	330
8	^(fold_=8)	342

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp4  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp4 => HPNNA3 => EndGrp4  
 Notes =

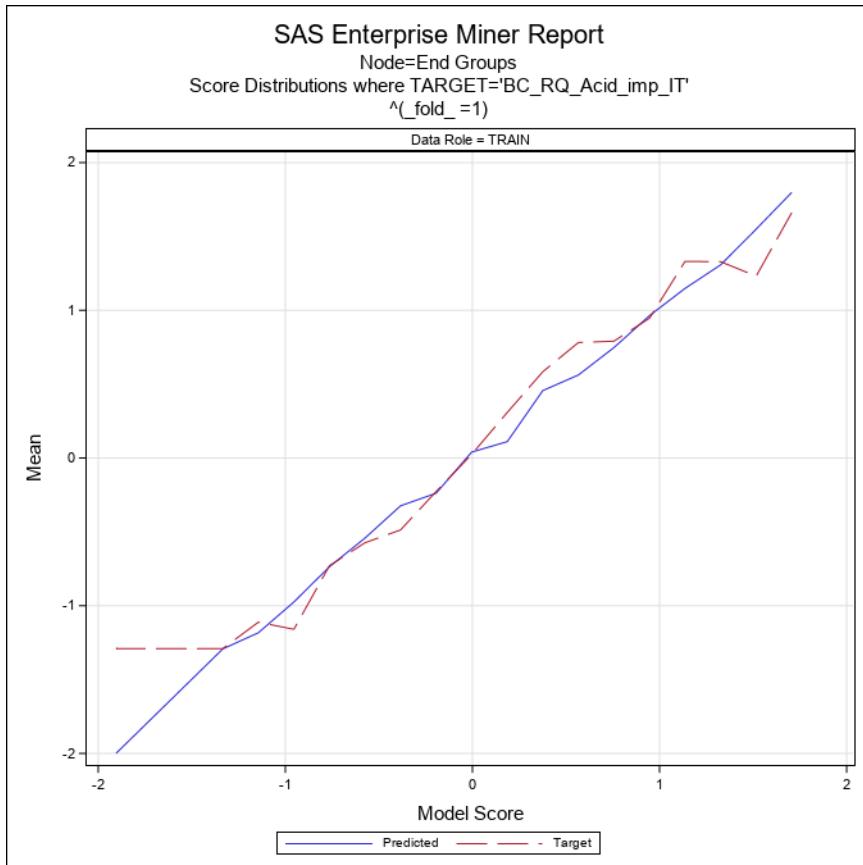
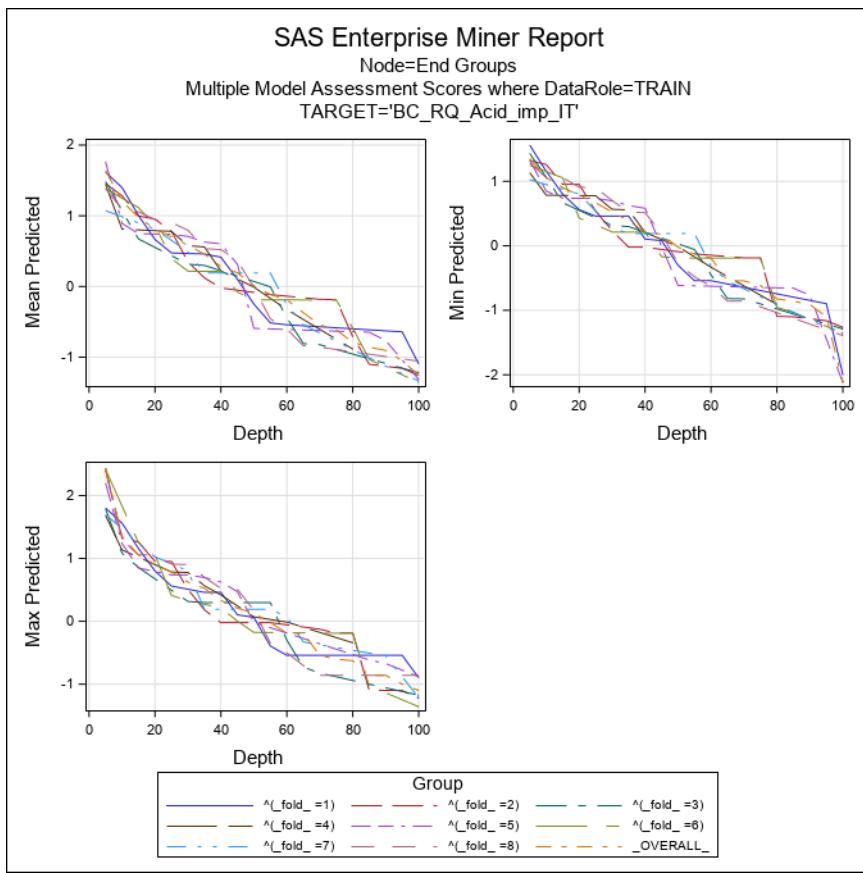
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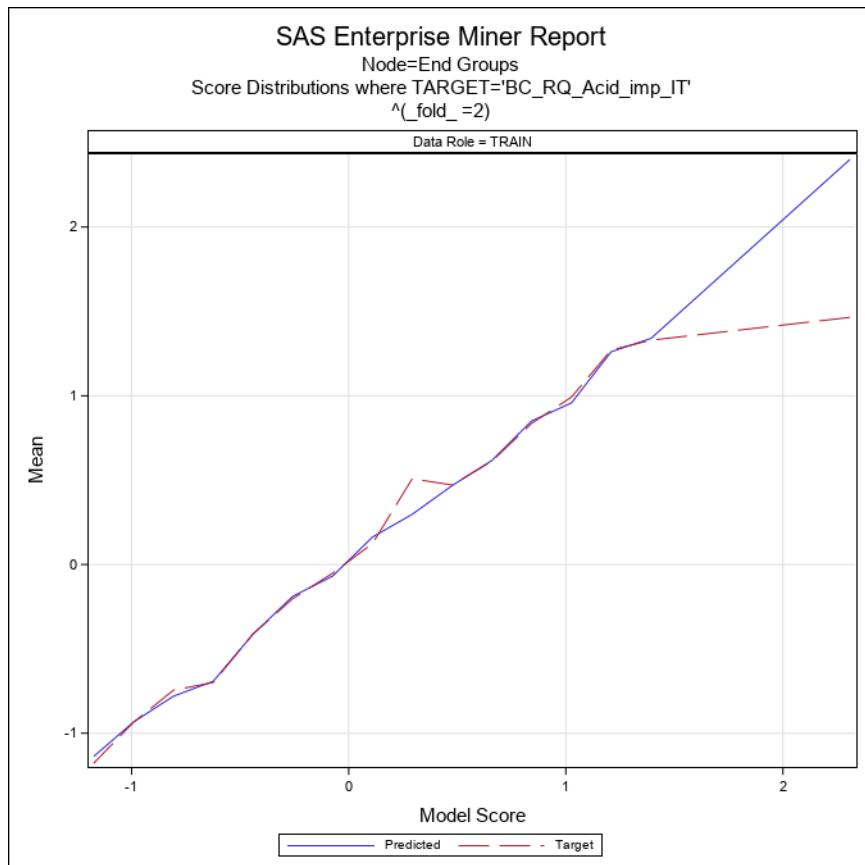
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Component	EndGroup		ToolType	MODEL				

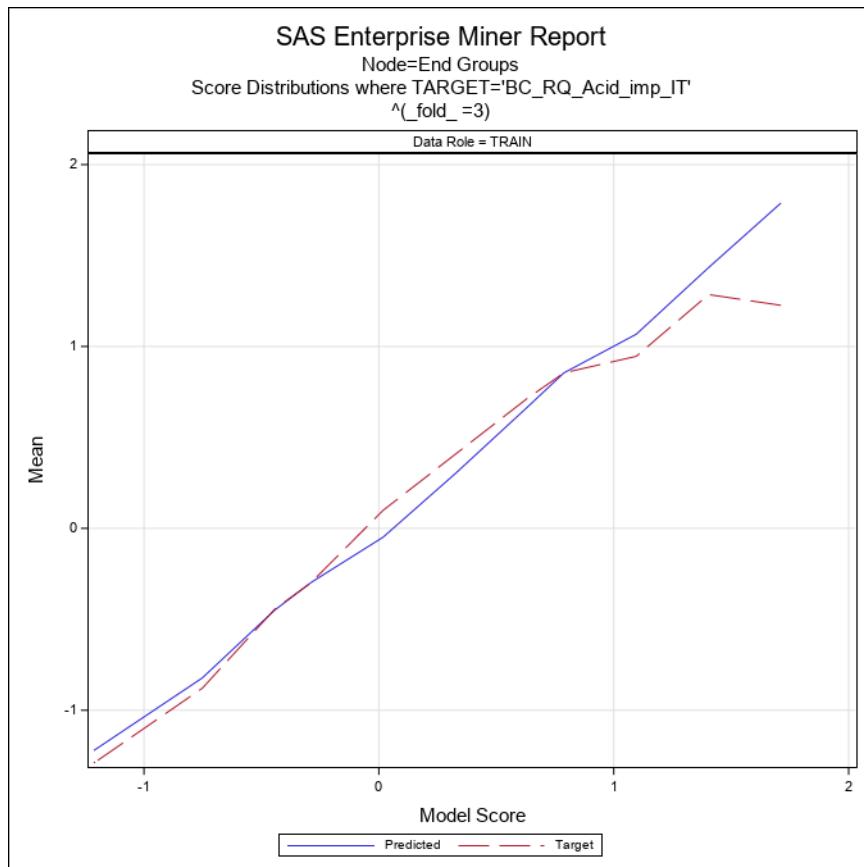
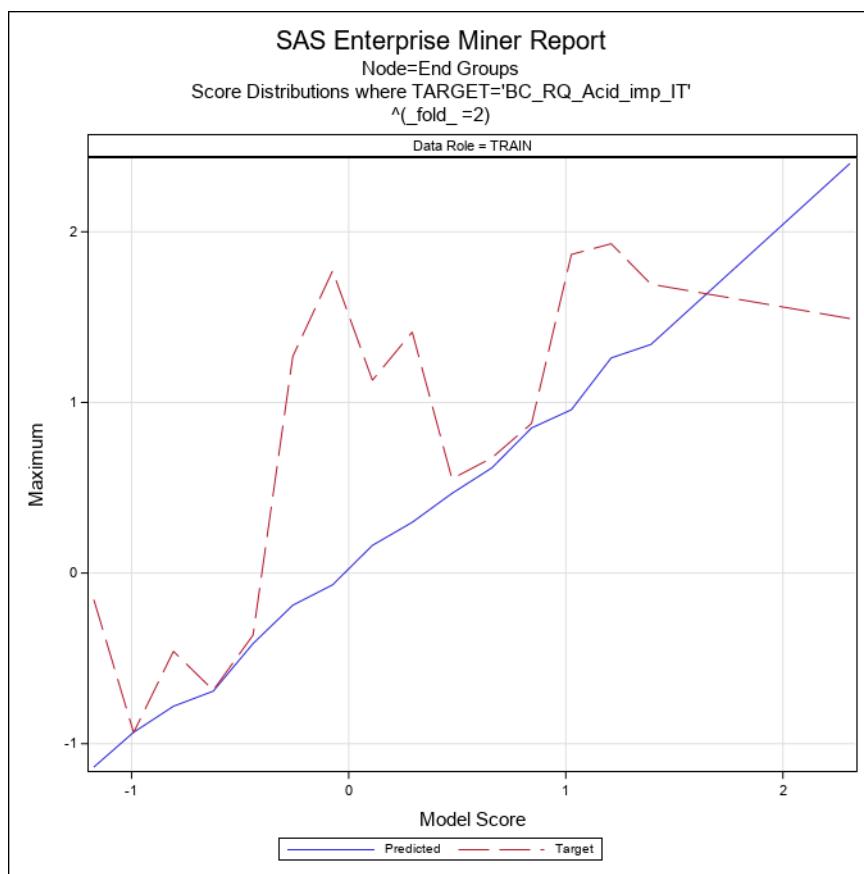
### Node=End Groups Variable Summary

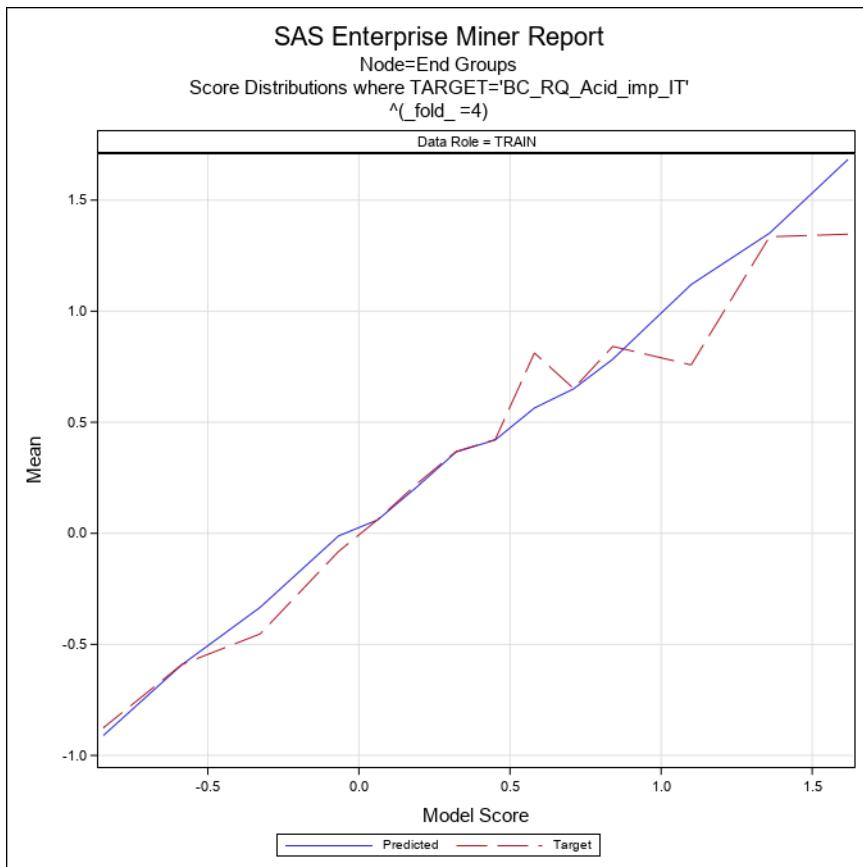
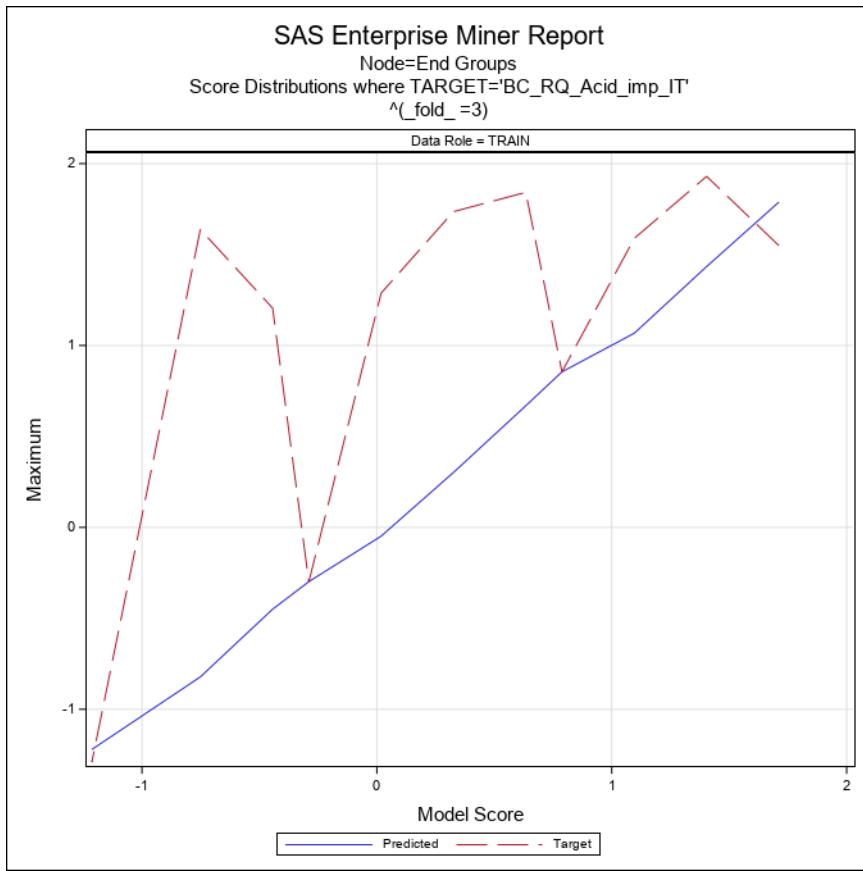
Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAsTot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	^(fold_=1)	HPNNA3	BC_RQ_Acid_imp_IT	0.44049	338	2.59753	338	0.66370	148.887	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	HPNNA3	BC_RQ_Acid_imp_IT	0.36271	353	1.98856	353	0.60226	128.037	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	HPNNA3	BC_RQ_Acid_imp_IT	0.42483	344	2.46095	344	0.65179	146.143	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	HPNNA3	BC_RQ_Acid_imp_IT	0.50295	335	2.05741	335	0.70919	168.489	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	HPNNA3	BC_RQ_Acid_imp_IT	0.36923	348	2.15098	348	0.60764	128.493	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	HPNNA3	BC_RQ_Acid_imp_IT	0.45170	348	2.18351	348	0.67209	157.191	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	HPNNA3	BC_RQ_Acid_imp_IT	0.42727	346	2.09208	346	0.65366	147.836	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	HPNNA3	BC_RQ_Acid_imp_IT	0.26839	345	2.19967	345	0.51806	92.595	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	0.55697	393	2.25816	393	0.74631	218.891	ReQuest (acid subscale) (Box-Cox transformed)







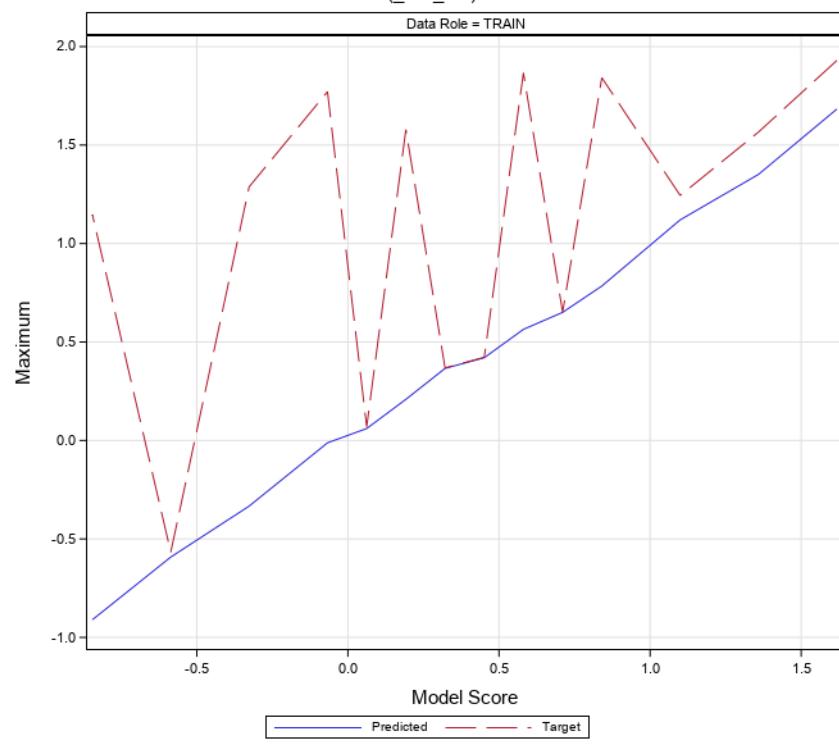


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

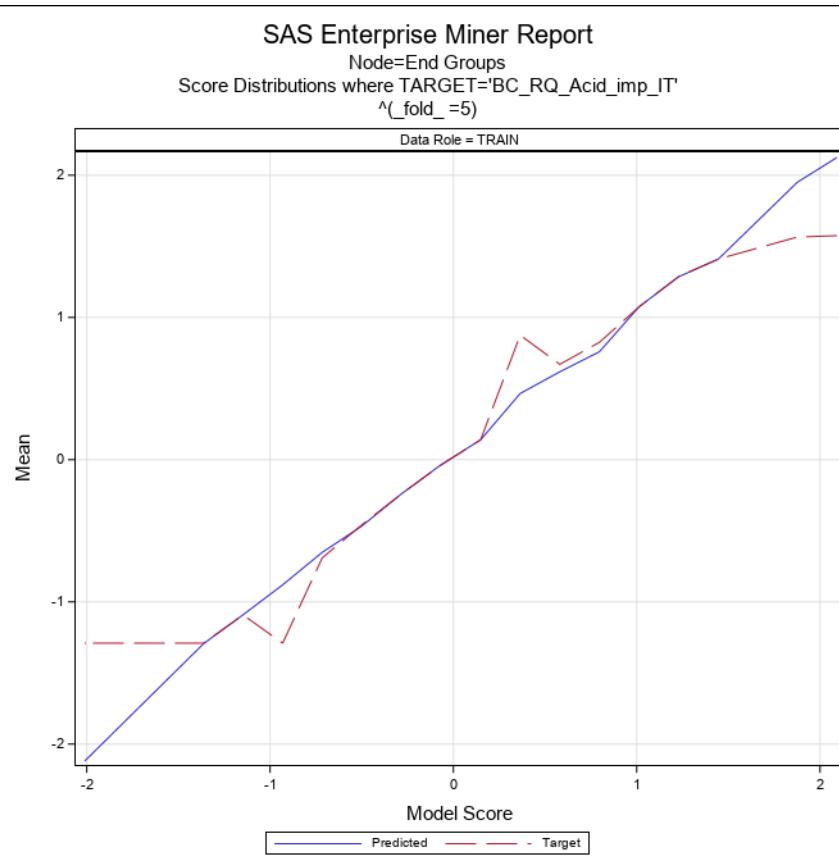


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

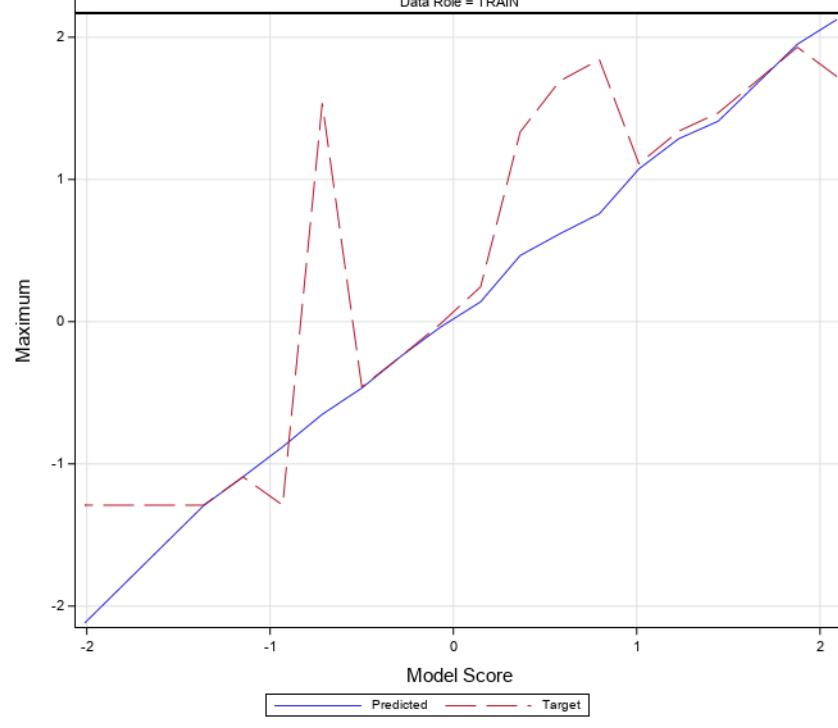


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

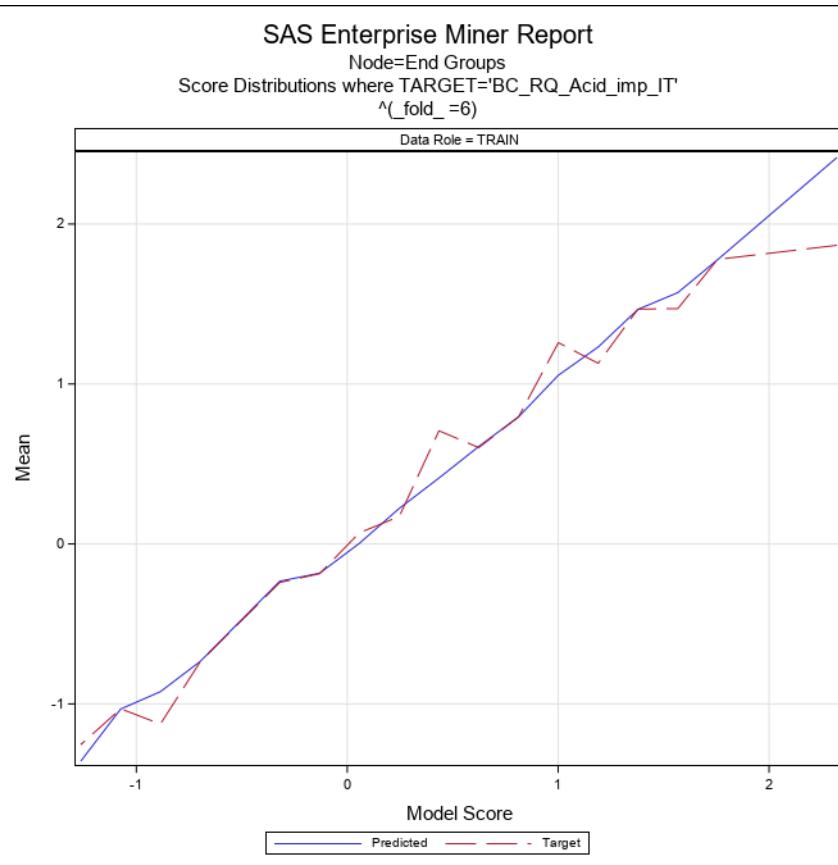


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

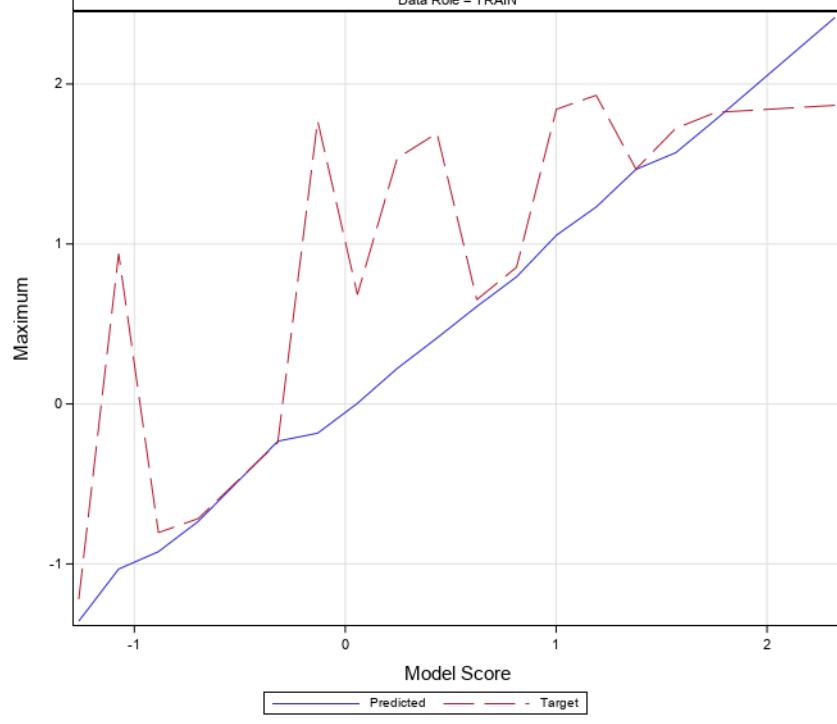


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

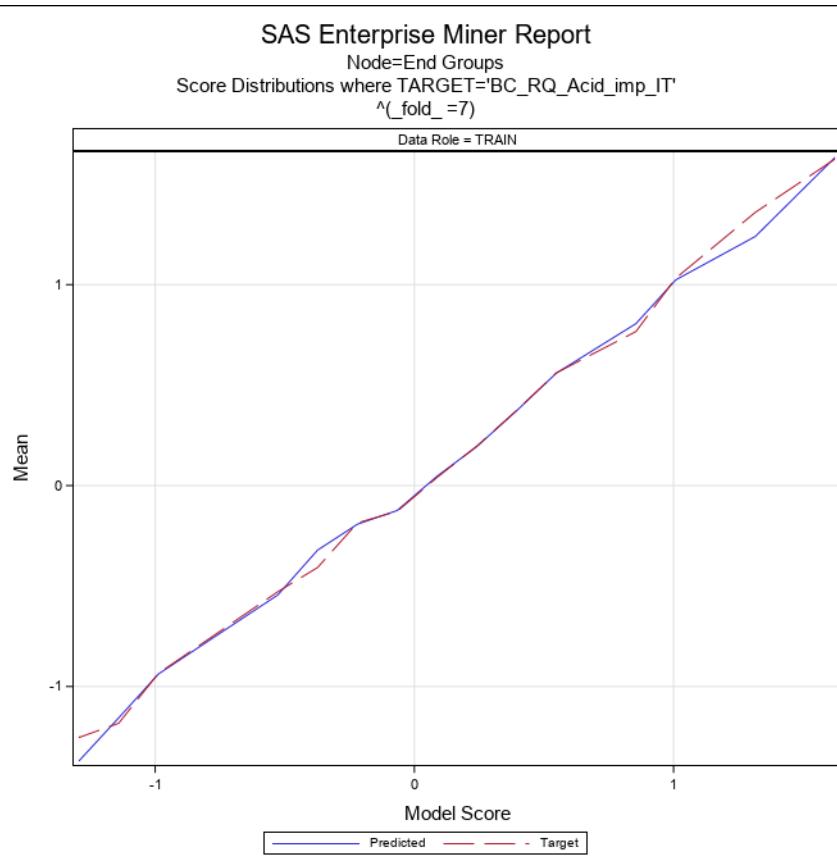


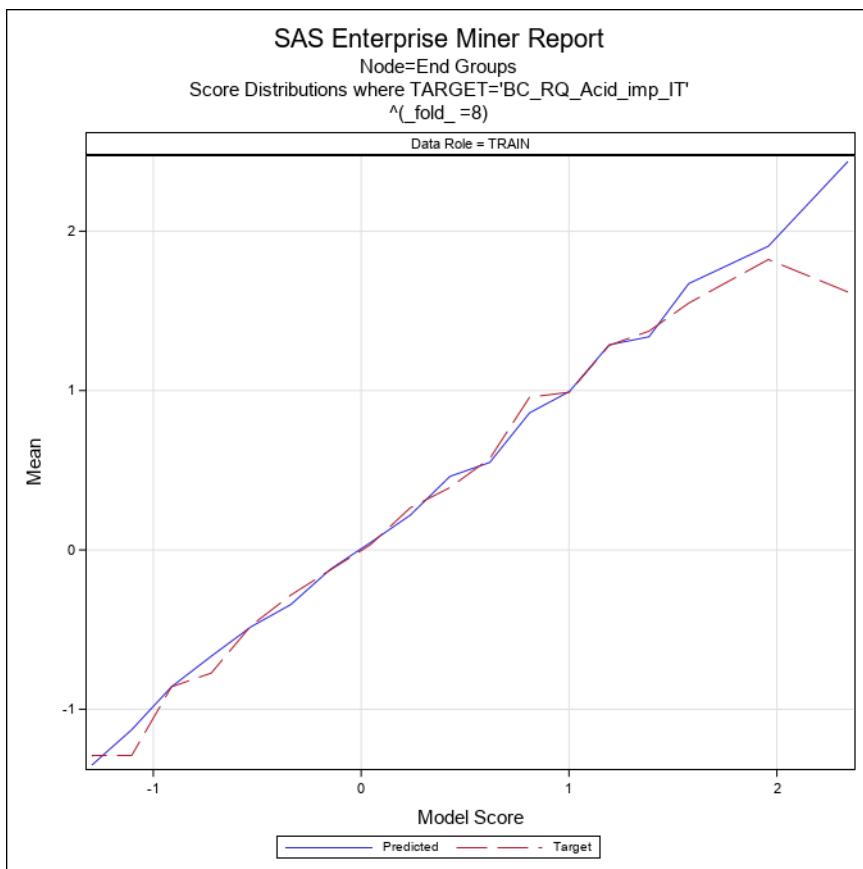
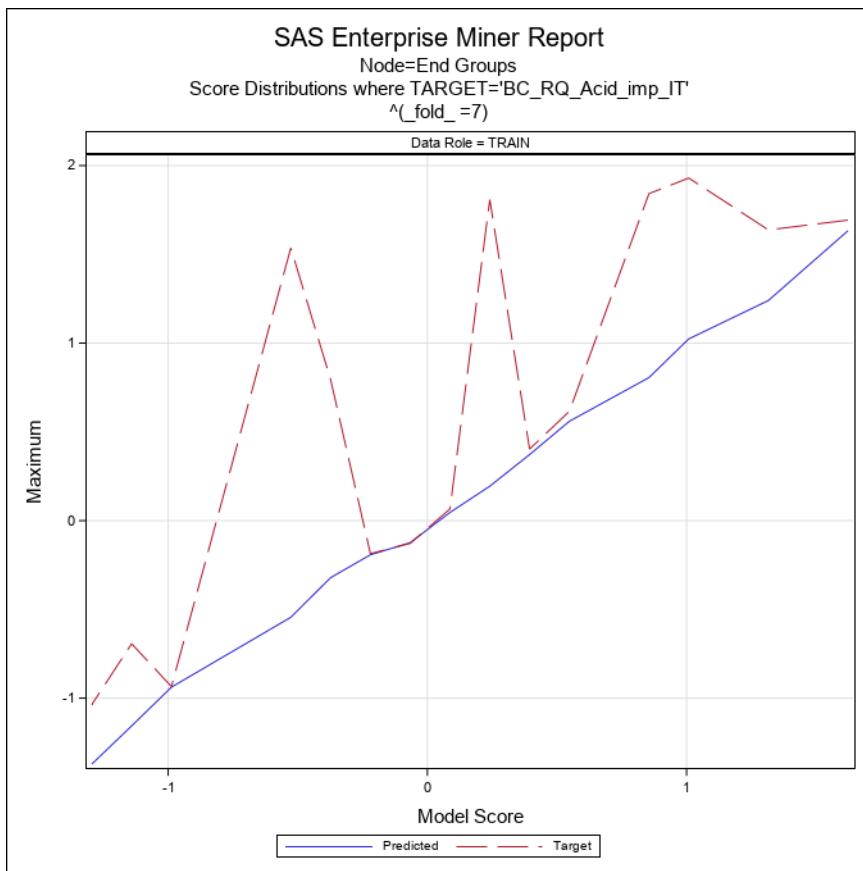
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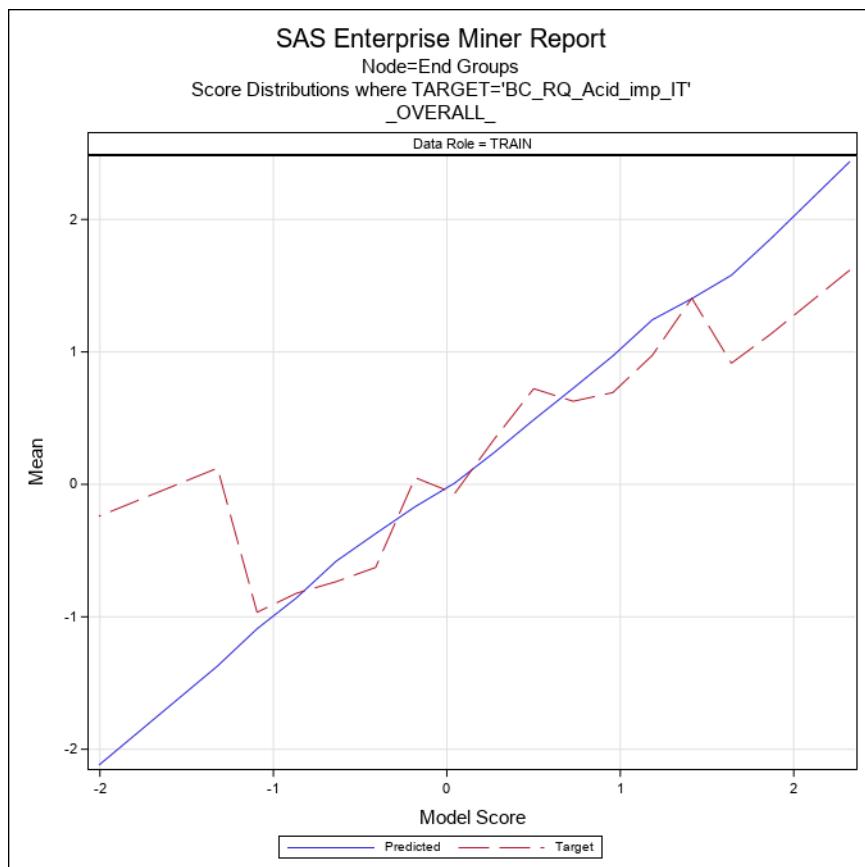
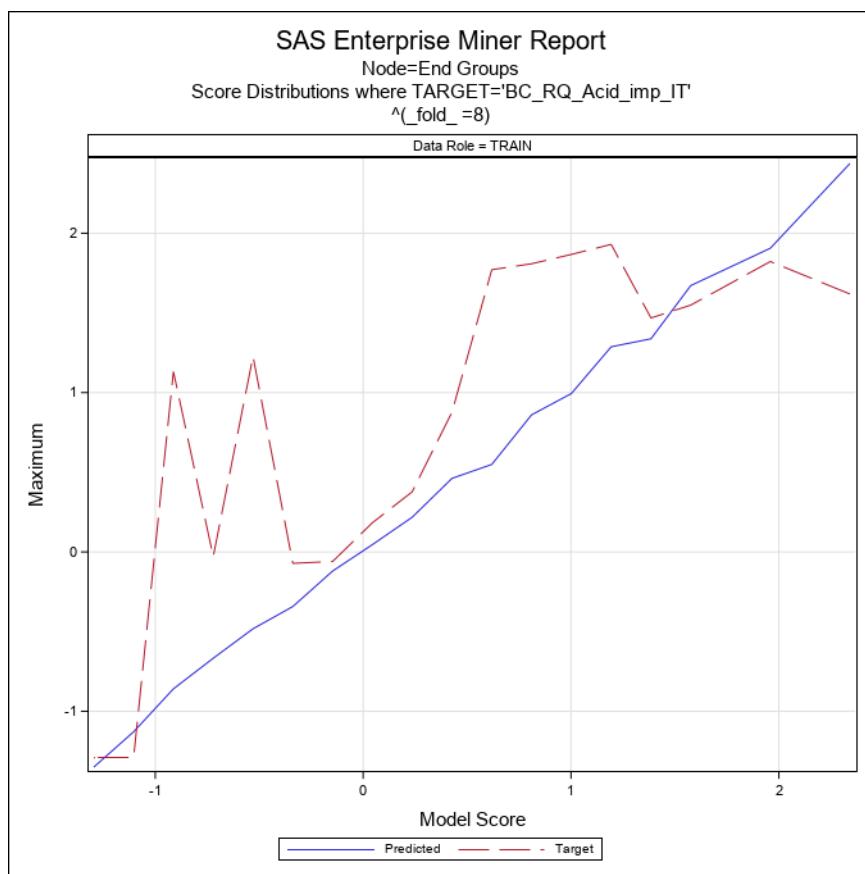
Node=End Groups

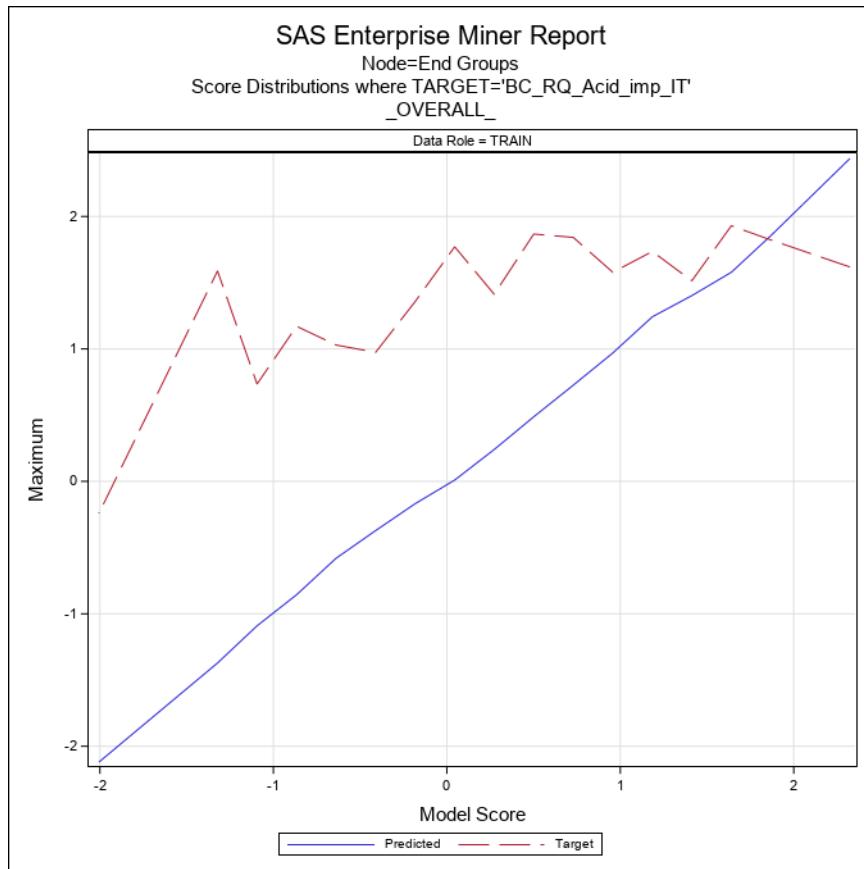
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN









### **Node=End Groups Score Distributions**

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.611 - 1.802	1.79816	1.80153	1.78805	1.66113	1.92987	1.08384
1.421 - 1.611	1.54949	1.56191	1.42618	1.23135	1.72308	-1.03562
1.231 - 1.421	1.30740	1.36526	1.26702	1.32901	1.43146	1.23607
1.041 - 1.231	1.14831	1.16170	1.09242	1.33123	1.84202	0.85495
0.851 - 1.041	0.96391	1.03163	0.90373	0.94619	1.12236	0.82644
0.661 - 0.851	0.74755	0.80006	0.69925	0.79108	1.73571	-1.29040
0.471 - 0.661	0.56184	0.63834	0.53096	0.78179	1.51415	0.18307
0.281 - 0.471	0.45645	0.46001	0.31006	0.58408	1.86701	-1.29040
0.091 - 0.281	0.11076	0.24184	0.09160	0.30833	1.55764	-0.93451
-0.099 - 0.091	0.03994	0.08127	-0.02369	0.02484	0.06480	0.00046
-0.289 - -0.099	-0.23835	-0.20091	-0.28717	-0.22699	-0.18592	-0.24068
-0.479 - -0.289	-0.32367	-0.30185	-0.41407	-0.48694	1.20526	-1.29040
-0.669 - -0.479	-0.54184	-0.53898	-0.60290	-0.57375	1.65655	-1.29040
-0.859 - -0.669	-0.73624	-0.69835	-0.79809	-0.72917	-0.69337	-0.76554
-1.049 - -0.859	-0.97493	-0.89753	-0.99815	-1.15970	-0.32636	-1.29040
-1.239 - -1.049	-1.18326	-1.18326	-1.18326	-1.11166	-1.11166	-1.11166
-1.429 - -1.239	-1.29269	-1.27743	-1.30795	-1.29040	-1.29040	-1.29040
-2.000 - -1.810	-1.99962	-1.99962	-1.99962	-1.29040	-1.29040	-1.29040

### **Node=End Groups Score Distributions**

Group=\_fold\_ =2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.217 - 2.400	2.40031	2.40031	2.40031	1.46451	1.49143	1.43759
1.301 - 1.484	1.33976	1.42542	1.31887	1.32933	1.69276	0.61604
1.117 - 1.301	1.26077	1.26708	1.26019	1.27089	1.92987	-0.24068
0.934 - 1.117	0.95707	1.10476	0.95083	0.99160	1.86701	-1.03562
0.751 - 0.934	0.85053	0.87590	0.82095	0.83629	0.87690	0.80905
0.567 - 0.751	0.61603	0.67415	0.56940	0.61160	0.67477	0.57270
0.384 - 0.567	0.46699	0.54384	0.38929	0.47150	0.55237	0.37720
0.201 - 0.384	0.29743	0.34700	0.23668	0.50798	1.41251	0.01250
0.018 - 0.201	0.16226	0.18244	0.02460	0.12342	1.12996	-0.93451
-0.166 - 0.018	-0.06883	-0.02183	-0.13095	-0.05126	1.77106	-1.29040
-0.349 - -0.166	-0.18834	-0.16673	-0.24322	-0.20208	1.26974	-1.29040
-0.532 - -0.349	-0.41355	-0.36577	-0.46134	-0.41113	-0.36374	-0.45852
-0.716 - -0.532	-0.69218	-0.68328	-0.70449	-0.69907	-0.68686	-0.72267
-0.899 - -0.716	-0.78069	-0.71757	-0.80017	-0.74512	-0.45852	-0.98338
-1.082 - -0.899	-0.93299	-0.92770	-0.93829	-0.93451	-0.93451	-0.93451
-1.265 - -1.082	-1.13699	-1.09216	-1.26549	-1.17689	-0.15603	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.635 - 1.789	1.78864	1.78864	1.78864	1.22630	1.54878	0.61604
1.327 - 1.481	1.43382	1.43670	1.43237	1.28534	1.92987	0.33895
1.019 - 1.173	1.06739	1.08393	1.06330	0.94596	1.58869	0.13852
0.711 - 0.865	0.85500	0.85500	0.85500	0.85495	0.85495	0.85495
0.557 - 0.711	0.66859	0.69675	0.66727	0.71665	1.84202	-1.29040
0.249 - 0.403	0.30189	0.31533	0.29819	0.40809	1.73571	-1.29040
-0.059 - 0.095	-0.04828	0.06604	-0.05807	0.09931	1.28782	-1.29040
-0.367 - -0.213	-0.29847	-0.29847	-0.29847	-0.29971	-0.29971	-0.29971
-0.521 - -0.367	-0.44977	-0.44977	-0.44977	-0.44471	1.20526	-1.29040
-0.828 - -0.675	-0.82214	-0.72917	-0.82317	-0.87874	1.63777	-1.29040
-1.290 - -1.136	-1.22119	-1.17511	-1.29032	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.553 - 1.683	1.68310	1.68312	1.68300	1.34670	1.92987	0.40630
1.294 - 1.424	1.35131	1.35404	1.33384	1.33514	1.56639	1.08384
1.035 - 1.164	1.12013	1.13490	1.10535	0.75827	1.24406	-0.02953
0.775 - 0.905	0.78412	0.78471	0.77600	0.84149	1.84202	-0.93451
0.646 - 0.775	0.65047	0.65047	0.65047	0.65182	0.65182	0.65182
0.516 - 0.646	0.56421	0.56580	0.55714	0.81198	1.86701	-0.59657
0.386 - 0.516	0.42033	0.42033	0.42033	0.42224	0.42224	0.42224
0.257 - 0.386	0.36603	0.36603	0.36603	0.36845	0.36845	0.36845
0.127 - 0.257	0.20880	0.23645	0.20690	0.22261	1.57848	-1.29040
-0.003 - 0.127	0.06055	0.07023	0.05087	0.06162	0.06961	0.05362
-0.132 - -0.003	-0.01196	-0.01172	-0.01197	-0.08191	1.77106	-1.29040
-0.392 - -0.262	-0.33337	-0.33266	-0.36395	-0.45304	1.28782	-1.29040
-0.651 - -0.521	-0.59213	-0.57069	-0.62605	-0.59101	-0.56687	-0.62748
-0.910 - -0.781	-0.91041	-0.90981	-0.91042	-0.87554	1.14698	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ ( $\_fold\_ = 5$ ) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.984 - 2.200	2.12481	2.20028	2.08707	1.57529	1.72308	1.45401
1.768 - 1.984	1.95065	1.97693	1.93488	1.56523	1.92987	1.12236
1.336 - 1.552	1.40925	1.46574	1.34566	1.41030	1.46801	1.34813
1.120 - 1.336	1.28573	1.33252	1.23895	1.28735	1.33863	1.23607
0.904 - 1.120	1.07423	1.10793	1.03356	1.07428	1.10974	1.02925
0.688 - 0.904	0.75872	0.85884	0.69562	0.82484	1.84202	-1.29040
0.472 - 0.688	0.61774	0.62448	0.58243	0.67024	1.69276	-0.36374
0.256 - 0.472	0.46530	0.47229	0.40942	0.87527	1.33391	0.40322
0.040 - 0.256	0.13936	0.25566	0.04134	0.13969	0.24534	0.05362
-0.176 - 0.040	-0.03577	-0.00799	-0.06227	-0.03824	-0.01183	-0.07171
-0.392 - -0.176	-0.24081	-0.24081	-0.24081	-0.24068	-0.24068	-0.24068
-0.608 - -0.392	-0.46677	-0.45938	-0.47415	-0.45852	-0.45852	-0.45852
-0.824 - -0.608	-0.65169	-0.60994	-0.76696	-0.69065	1.53621	-1.29040
-1.039 - -0.824	-0.88017	-0.88017	-0.88017	-1.29040	-1.29040	-1.29040
-1.255 - -1.039	-1.09090	-1.09090	-1.09090	-1.09174	-1.09174	-1.09174
-1.471 - -1.255	-1.29474	-1.29030	-1.30301	-1.29040	-1.29040	-1.29040
-2.119 - -1.903	-2.11941	-2.11941	-2.11941	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ ( $\_fold\_ = 6$ ) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.228 - 2.416	2.41619	2.41619	2.41619	1.86701	1.86701	1.86701
1.661 - 1.850	1.77686	1.81595	1.73776	1.77906	1.82242	1.73571
1.473 - 1.661	1.57106	1.57406	1.56057	1.47113	1.72308	1.33391
1.284 - 1.473	1.46661	1.46661	1.46661	1.46801	1.46801	1.46801
1.095 - 1.284	1.23131	1.25563	1.11438	1.12935	1.92987	-0.93451
0.907 - 1.095	1.05469	1.05482	1.05270	1.25818	1.84202	0.32306
0.718 - 0.907	0.79477	0.85696	0.73257	0.79473	0.85495	0.73451
0.529 - 0.718	0.60917	0.67504	0.53814	0.60227	0.65182	0.53897
0.341 - 0.529	0.41227	0.47240	0.40687	0.70760	1.69276	-0.84532
0.152 - 0.341	0.22192	0.33252	0.21266	0.17101	1.53621	-1.29040
-0.037 - 0.152	0.00381	0.00381	0.00381	0.06981	0.68341	-0.69337
-0.225 - -0.037	-0.18289	-0.07917	-0.20144	-0.18615	1.77106	-1.29040
-0.414 - -0.225	-0.23302	-0.23302	-0.23302	-0.24068	-0.24068	-0.24068
-0.792 - -0.603	-0.73440	-0.71164	-0.76724	-0.73696	-0.71673	-0.76554
-0.980 - -0.792	-0.92346	-0.79840	-0.95450	-1.12592	-0.80438	-1.29040
-1.169 - -0.980	-1.03240	-1.02872	-1.03250	-1.03083	0.93917	-1.29040
-1.358 - -1.169	-1.35757	-1.35757	-1.35757	-1.25432	-1.21823	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ ( $\_fold\_ = 7$ ) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.546 - 1.699	1.63293	1.69929	1.56656	1.62520	1.69276	1.55764
1.239 - 1.392	1.23993	1.23993	1.23993	1.36001	1.63777	0.93917
0.932 - 1.085	1.02378	1.02378	1.02378	1.03225	1.92987	-0.24068
0.778 - 0.932	0.80596	0.86943	0.80026	0.76665	1.84202	-1.29040
0.471 - 0.625	0.55983	0.61983	0.48938	0.56105	0.61604	0.48548

Group=\_fold\_=7 Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.318 - 0.471	0.37221	0.39921	0.33826	0.37391	0.40322	0.33895
0.164 - 0.318	0.19412	0.30250	0.19086	0.19620	1.80838	-1.29040
0.010 - 0.164	0.04621	0.06985	0.02257	0.04023	0.06635	0.01410
-0.143 - 0.010	-0.12401	-0.12401	-0.12401	-0.12797	-0.12797	-0.12797
-0.297 - -0.143	-0.19228	-0.19228	-0.19228	-0.18592	-0.18592	-0.18592
-0.450 - -0.297	-0.32117	-0.30181	-0.32815	-0.40773	0.79471	-1.29040
-0.604 - -0.450	-0.54437	-0.54430	-0.55004	-0.52844	1.53621	-1.29040
-1.064 - -0.911	-0.93793	-0.93716	-0.93869	-0.93451	-0.93451	-0.93451
-1.218 - -1.064	-1.15633	-1.09905	-1.21658	-1.18306	-0.69337	-1.29040
-1.371 - -1.218	-1.37117	-1.37064	-1.37127	-1.25401	-1.03562	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_=8 Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.246 - 2.438	2.43765	2.43765	2.43765	1.61852	1.61852	1.61852
1.863 - 2.055	1.90590	1.90590	1.90590	1.82242	1.82242	1.82242
1.480 - 1.672	1.67142	1.67142	1.67142	1.54878	1.54878	1.54878
1.289 - 1.480	1.33738	1.36580	1.31059	1.37288	1.46801	1.24885
1.097 - 1.289	1.28710	1.28715	1.28615	1.28376	1.92987	0.16562
0.906 - 1.097	0.99397	1.05606	0.90810	0.98944	1.86701	-1.29040
0.715 - 0.906	0.86010	0.90295	0.74598	0.95838	1.80838	0.12270
0.523 - 0.715	0.54905	0.70861	0.52318	0.57334	1.77106	-1.15235
0.332 - 0.523	0.46143	0.52285	0.34216	0.39146	0.87690	0.08931
0.140 - 0.332	0.21774	0.28113	0.15964	0.26371	0.37720	0.11898
-0.051 - 0.140	0.04578	0.13040	-0.04373	0.03210	0.18307	-0.24068
-0.243 - -0.051	-0.12022	-0.06440	-0.20141	-0.12496	-0.06021	-0.16851
-0.434 - -0.243	-0.34286	-0.27222	-0.41738	-0.28345	-0.07171	-0.45852
-0.626 - -0.434	-0.48238	-0.45499	-0.57525	-0.47581	1.22737	-1.29040
-0.817 - -0.626	-0.66728	-0.62711	-0.76400	-0.77302	-0.02953	-1.29040
-1.008 - -0.817	-0.85933	-0.85425	-1.00836	-0.85917	1.13168	-1.29040
-1.200 - -1.008	-1.12884	-1.01299	-1.18718	-1.29040	-1.29040	-1.29040
-1.391 - -1.200	-1.35029	-1.32518	-1.39135	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.210 - 2.438	2.43765	2.43765	2.43765	1.61852	1.61852	1.61852
1.754 - 1.982	1.85518	1.93488	1.78864	1.13511	1.82242	0.08931
1.526 - 1.754	1.57858	1.68312	1.56191	0.91459	1.92987	-1.03562
1.298 - 1.526	1.40230	1.46661	1.35376	1.40509	1.51415	1.16250
1.071 - 1.298	1.24211	1.28715	1.08393	0.97386	1.73571	-0.93451
0.843 - 1.071	0.96912	1.05606	0.84783	0.69272	1.57848	-1.29040
0.615 - 0.843	0.72598	0.82721	0.61983	0.62742	1.84202	-1.29040
0.387 - 0.615	0.48735	0.58389	0.38929	0.72230	1.86701	-0.13485
0.159 - 0.387	0.24043	0.33177	0.18188	0.34094	1.41251	-1.29040
-0.069 - 0.159	0.00965	0.13040	-0.02195	-0.06888	1.77106	-1.29040
-0.297 - -0.069	-0.16863	-0.11237	-0.20141	0.05060	1.35721	-1.29040
-0.524 - -0.297	-0.37173	-0.30185	-0.48032	-0.62720	0.97422	-1.29040
-0.752 - -0.524	-0.58041	-0.54070	-0.73578	-0.73473	1.02925	-1.29040
-0.980 - -0.752	-0.85601	-0.76696	-0.91042	-0.82183	1.17083	-1.29040

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-1.208 - -0.980	-1.09066	-0.99815	-1.16196	-0.96572	0.73451	-1.29040
-1.436 - -1.208	-1.37127	-1.37127	-1.37127	0.12263	1.58869	-1.29040
-2.119 - -1.892	-2.11941	-2.11941	-2.11941	-0.24068	-0.24068	-0.24068

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	338
2	^(fold_=2)	344
3	^(fold_=3)	347
4	^(fold_=4)	353
5	^(fold_=5)	350
6	^(fold_=6)	347
7	^(fold_=7)	330
8	^(fold_=8)	342

## SAS Enterprise Miner Report

### Node=HP Regression stepwise Summary

Node id = HPReg3  
 Node label = HP Regression stepwise  
 Meta path = Ids => Trans => Grp6 => HPReg3  
 Notes =

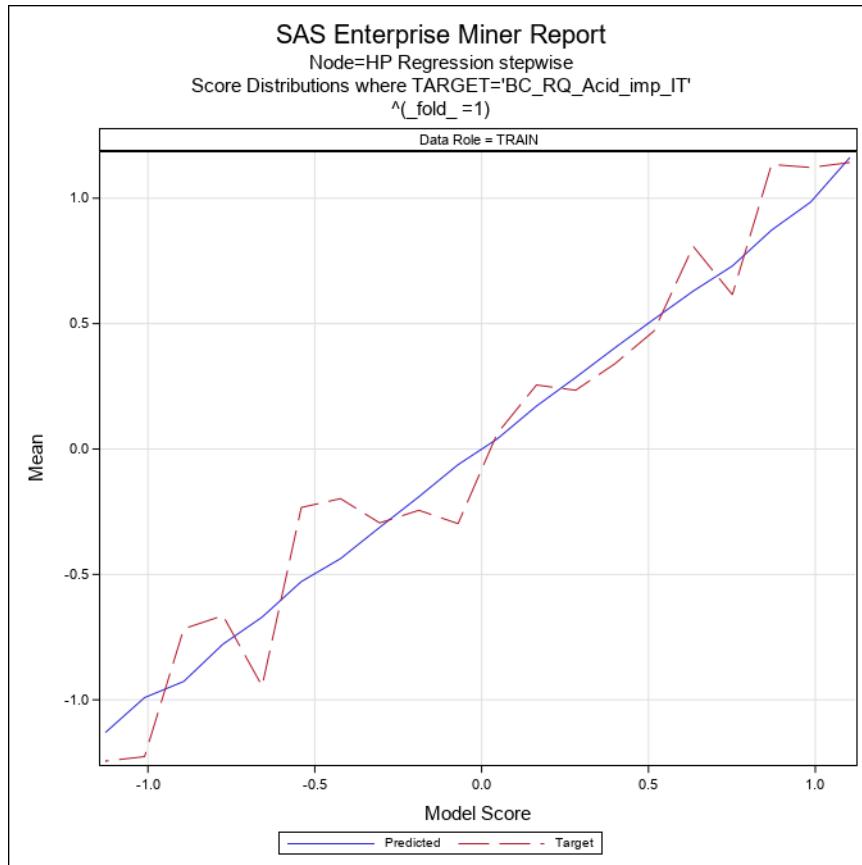
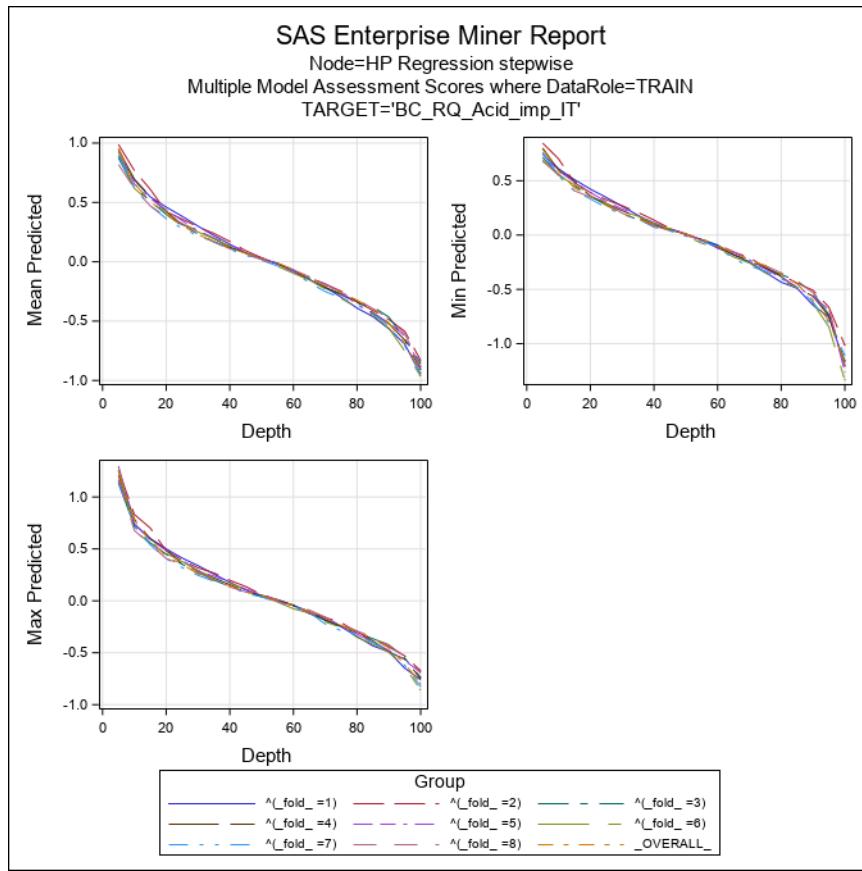
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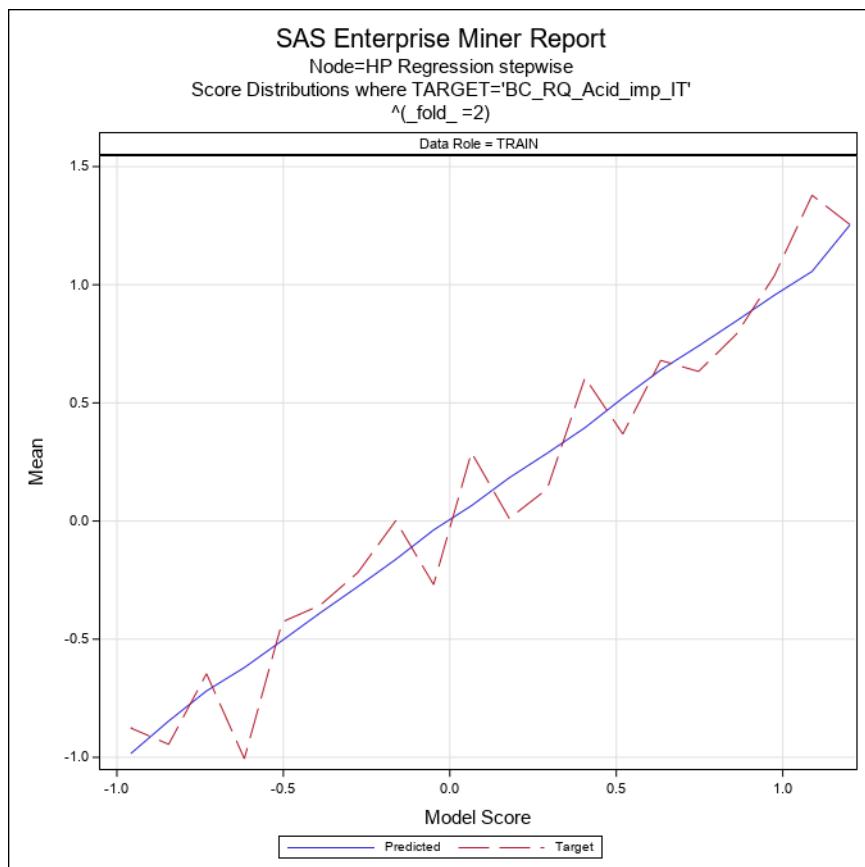
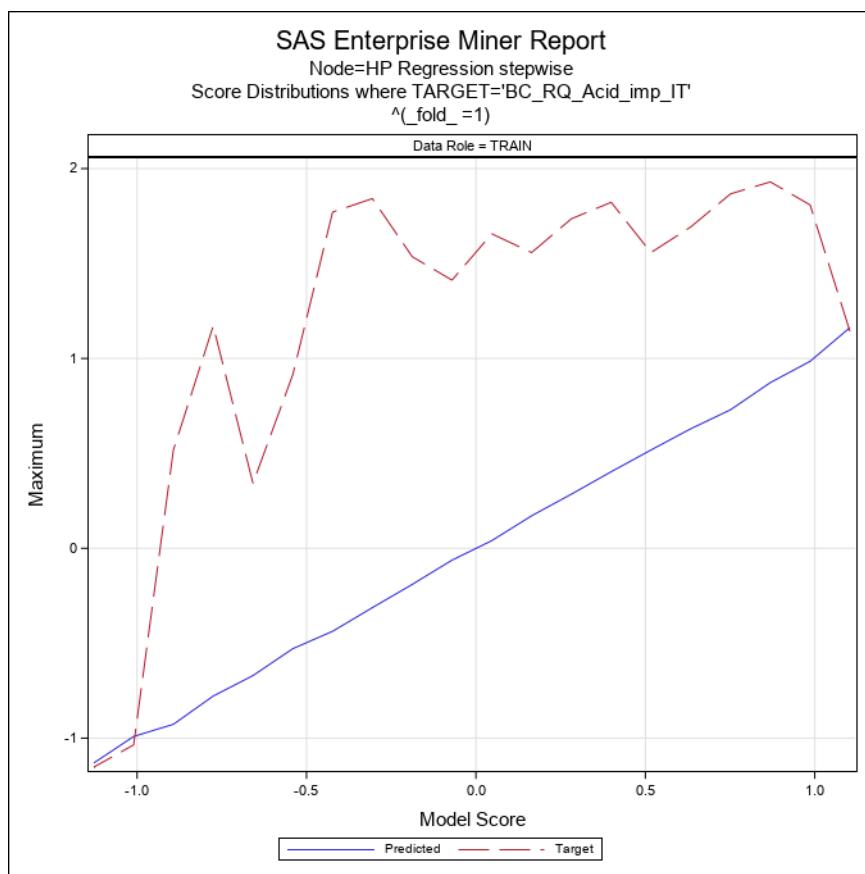
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	HPDMReg		MAXFUNC	.		Polynomial	N	
ABSCONV	.		MAXITER	.		PolynomialDegree	2	
ABSFCONV	.		MAXTIME	.		SLEntry	0.1	0.05
ABSGCConv	.		MINITER	.		SLStay	0.2	0.05
EXCLUDEDVARIABLE	REJECT		MISSASLVL	N		SelectCriterion	ADJRSQ	DEFAULT
Error	NORMAL	LOGISTIC	MainEffect	Y		SelectMethod	STEPWISE	NONE
FCONV	.		MaxEffects	0		SelectUseDefault	Y	
GCONV	.		MaxSteps	0		StopCriterion	ADJRSQ	DEFAULT
Hierarchy	NONE		MinEffects	0		SuppressIntercept	N	
Host	Local		NCPU	Actual		SuppressOutput	N	
Interactions			NNode	0		TECH	NRRIDG	
LinkFunction	LOGIT		NORMALIZE	Y		Term	Y	
LogDetails	N		NThreads	Default		Timeout	120	

### Node=HP Regression stepwise Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	22	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

Group Index	Group	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	_^(fold_=1)	BC_RQ_Acid_imp_IT	0.79349	344	2.20517	344	0.89078	272.960	ReQuest (acid subscale) (Box-Cox transformed)
2	_^(fold_=2)	BC_RQ_Acid_imp_IT	0.80266	342	2.20459	342	0.89591	274.509	ReQuest (acid subscale) (Box-Cox transformed)
3	_^(fold_=3)	BC_RQ_Acid_imp_IT	0.79250	357	2.32949	357	0.89023	282.923	ReQuest (acid subscale) (Box-Cox transformed)
4	_^(fold_=4)	BC_RQ_Acid_imp_IT	0.79583	353	2.29042	353	0.89209	280.928	ReQuest (acid subscale) (Box-Cox transformed)
5	_^(fold_=5)	BC_RQ_Acid_imp_IT	0.79299	344	2.35429	344	0.89050	272.788	ReQuest (acid subscale) (Box-Cox transformed)
6	_^(fold_=6)	BC_RQ_Acid_imp_IT	0.81034	345	2.19864	345	0.90019	279.567	ReQuest (acid subscale) (Box-Cox transformed)
7	_^(fold_=7)	BC_RQ_Acid_imp_IT	0.80396	316	2.38842	316	0.89664	254.051	ReQuest (acid subscale) (Box-Cox transformed)
8	_^(fold_=8)	BC_RQ_Acid_imp_IT	0.80314	334	2.08967	334	0.89618	268.250	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	0.83726	393	2.39230	393	0.91502	329.045	ReQuest (acid subscale) (Box-Cox transformed)





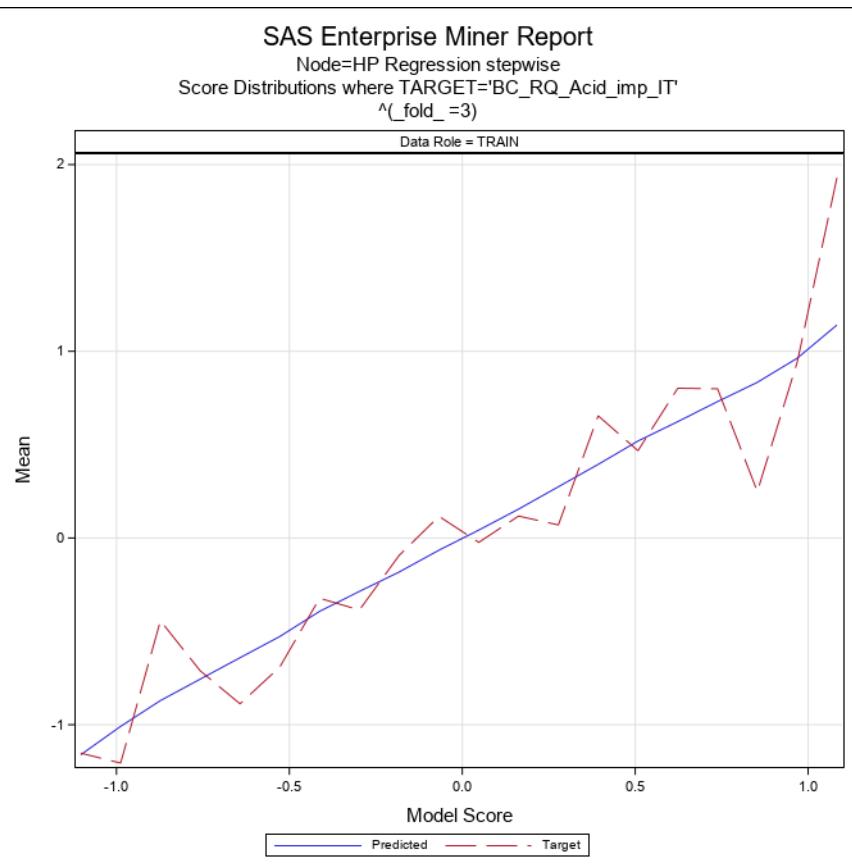
### SAS Enterprise Miner Report

Node=HP Regression stepwise  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold\_}=2)$



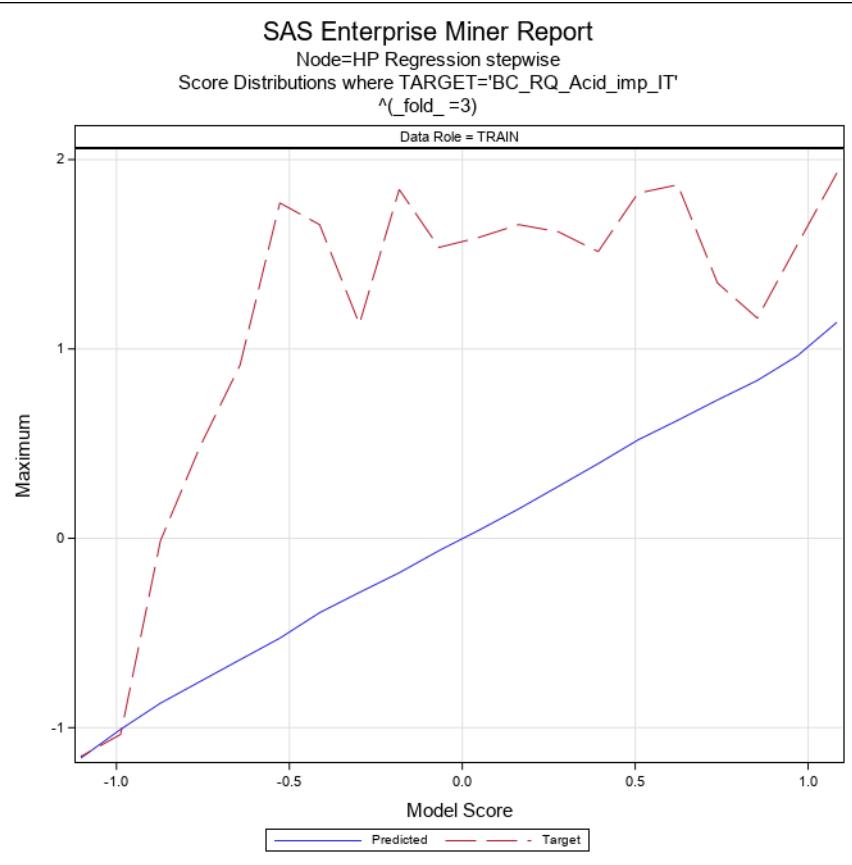
### SAS Enterprise Miner Report

Node=HP Regression stepwise  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold\_}=3)$



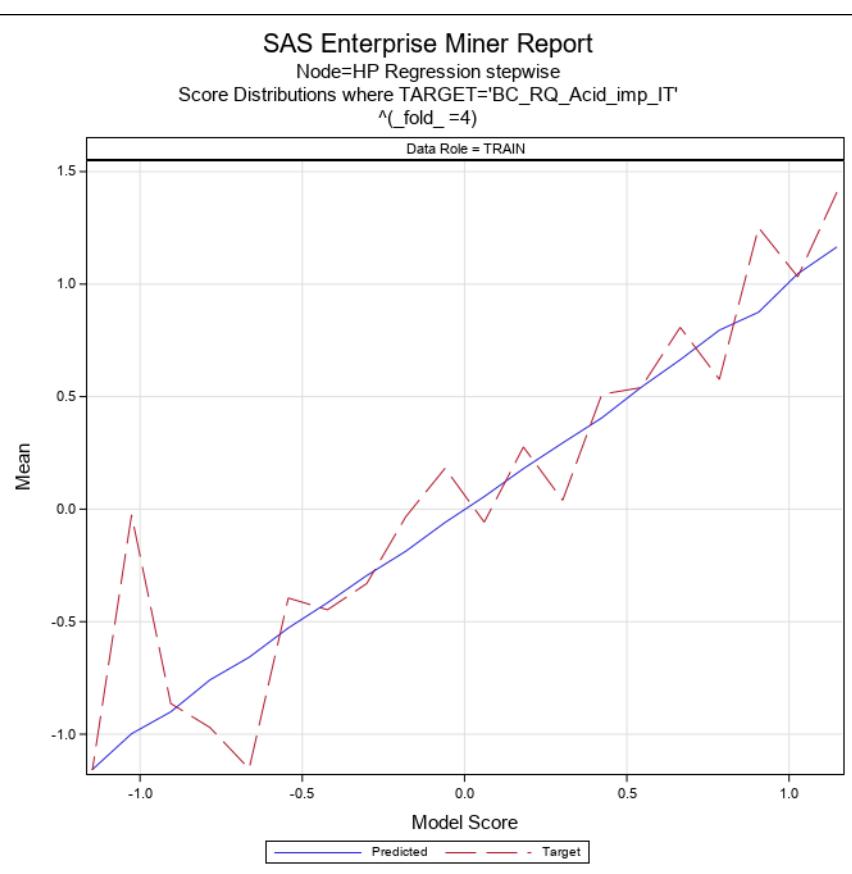
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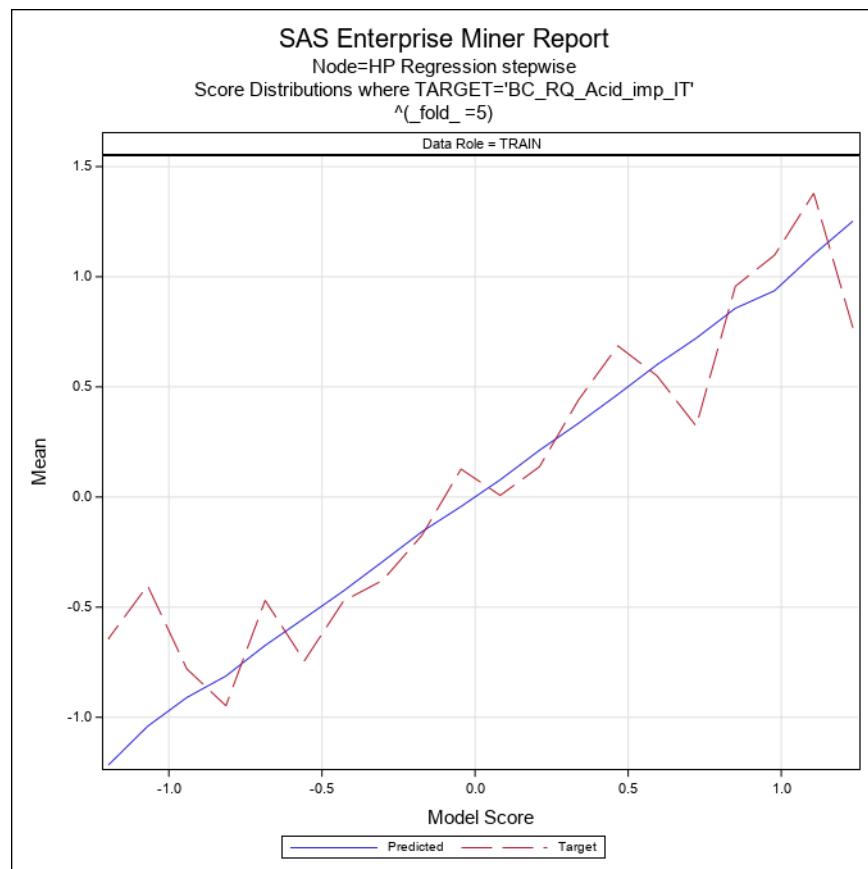
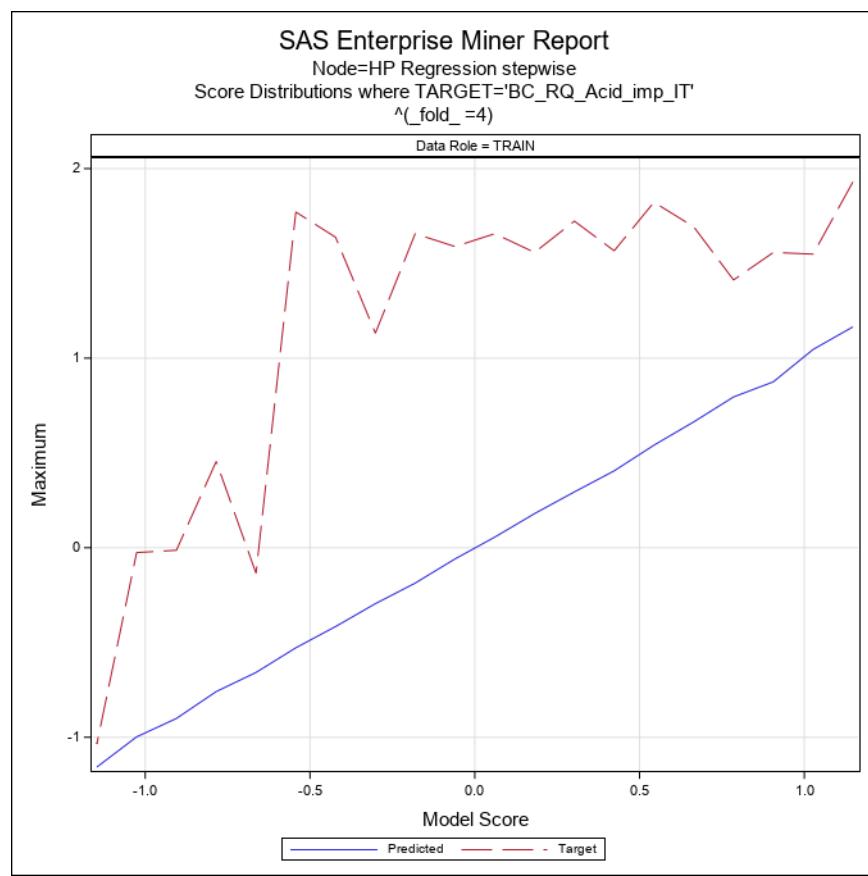
Node=HP Regression stepwise  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}3)$

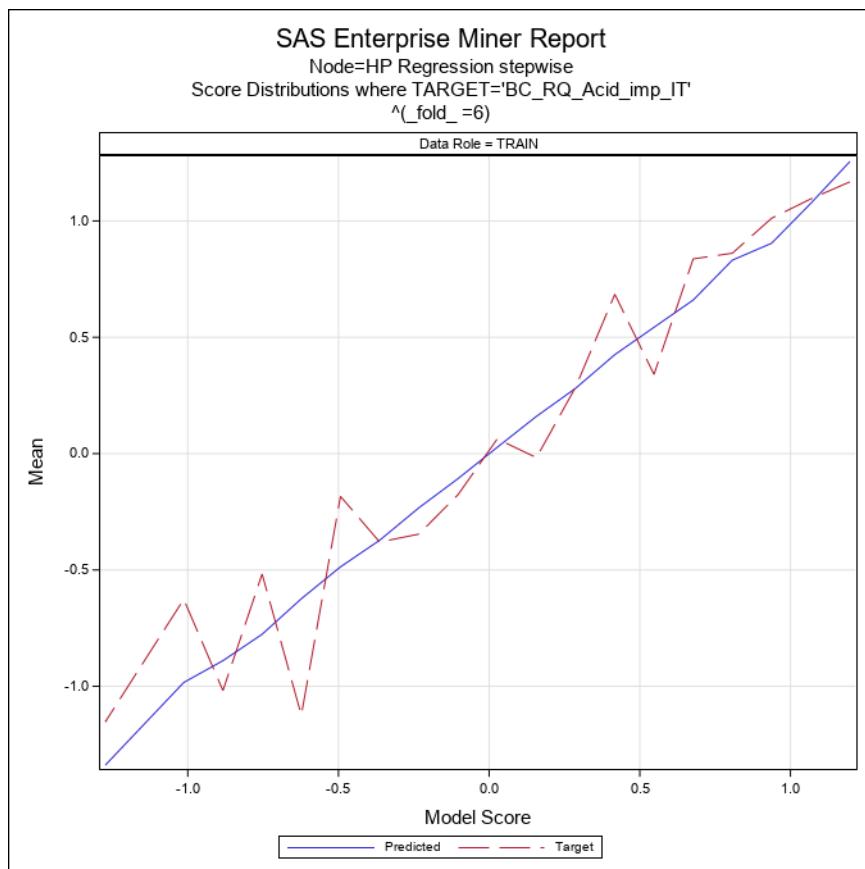
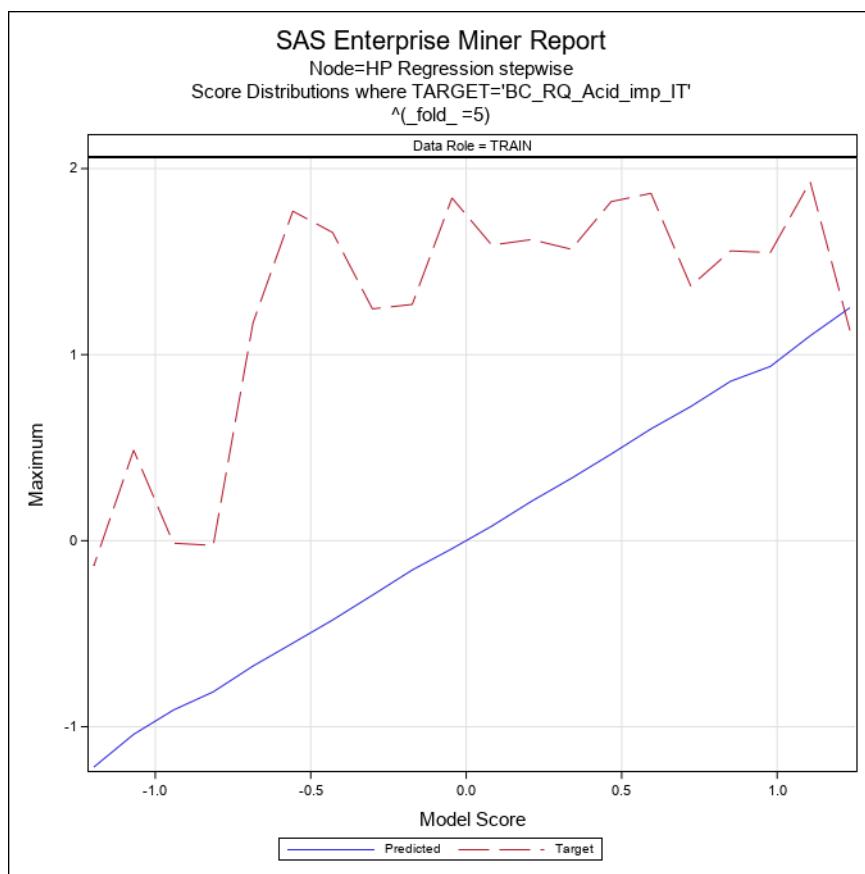


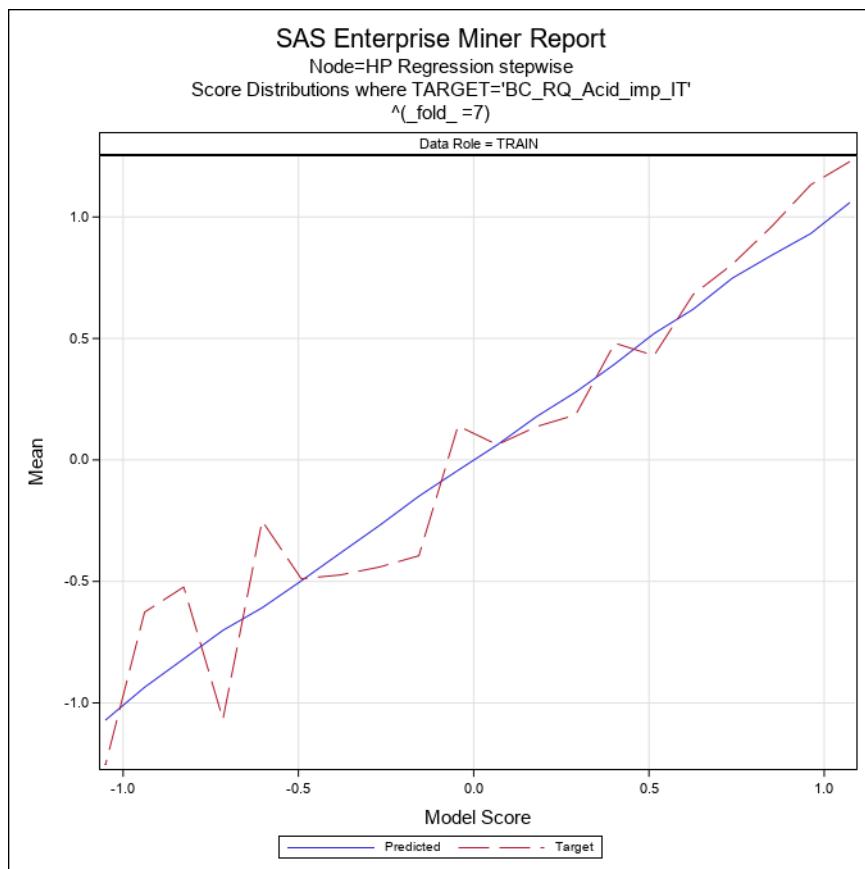
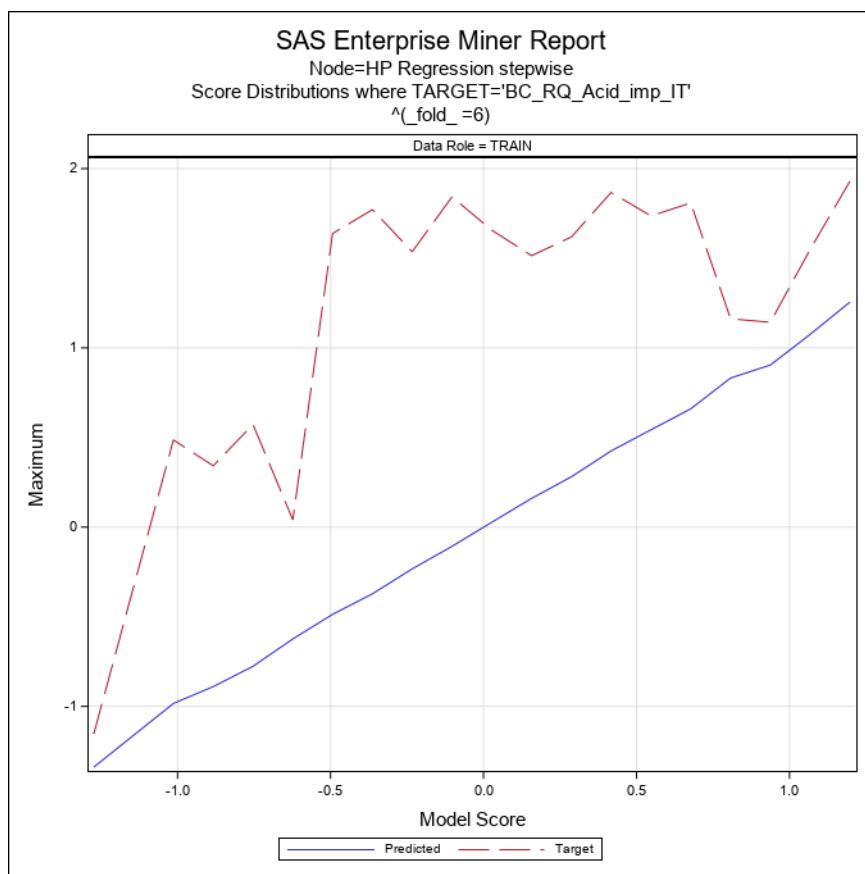
### SAS Enterprise Miner Report

Node=HP Regression stepwise  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}4)$



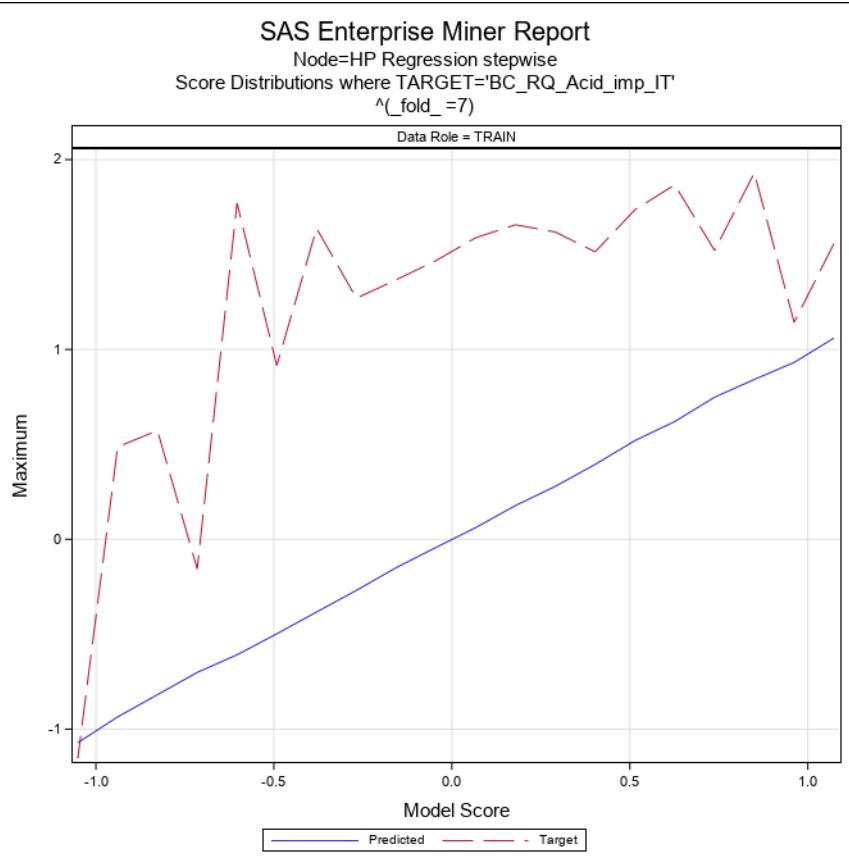






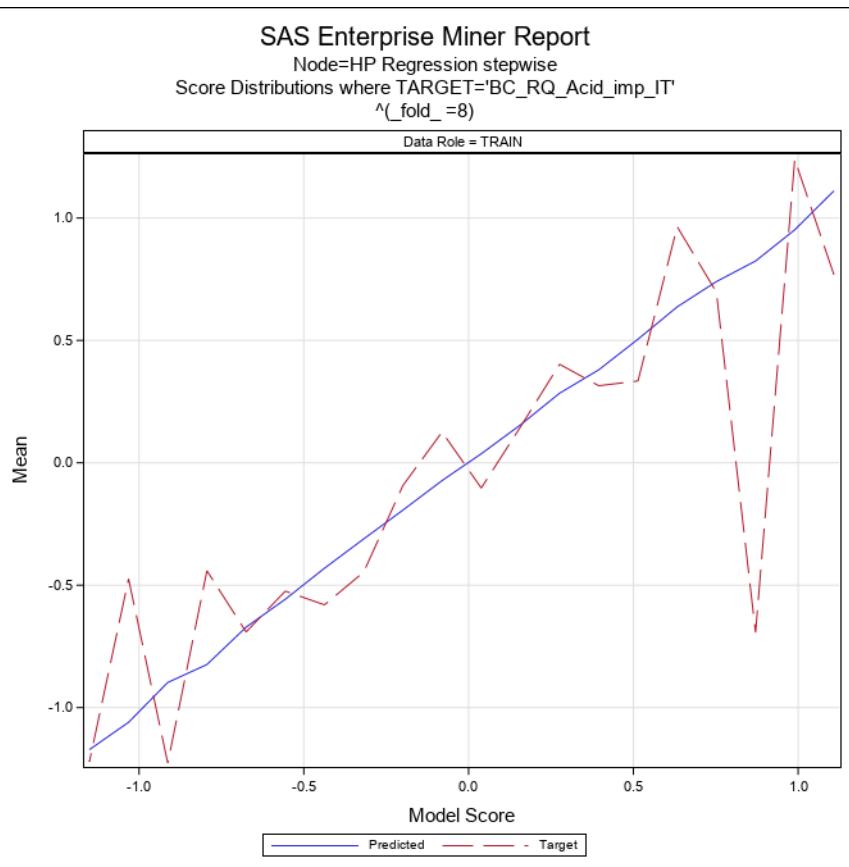
### SAS Enterprise Miner Report

Node=HP Regression stepwise  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}7)$



### SAS Enterprise Miner Report

Node=HP Regression stepwise  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}8)$

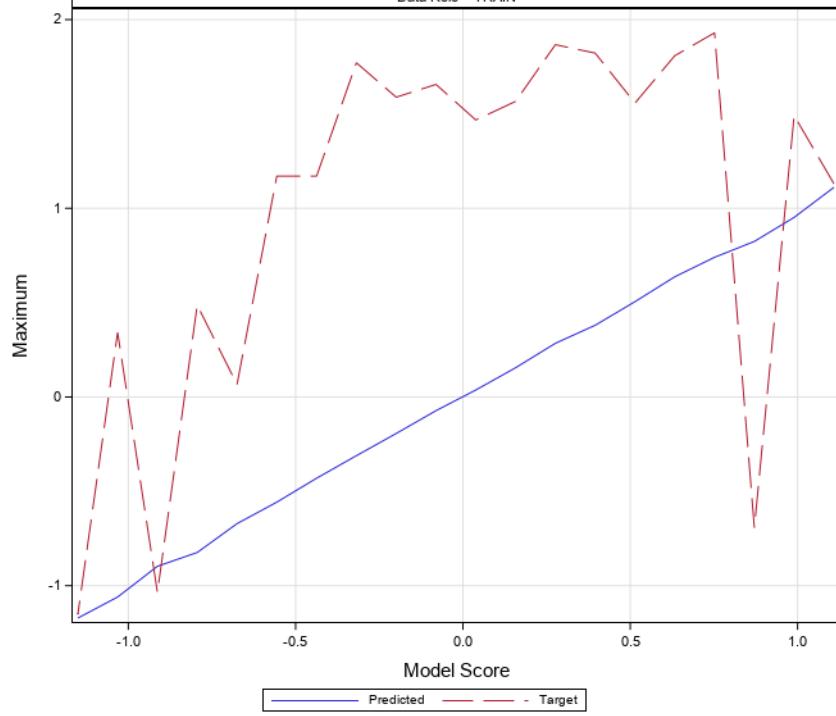


### SAS Enterprise Miner Report

Node=HP Regression stepwise

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

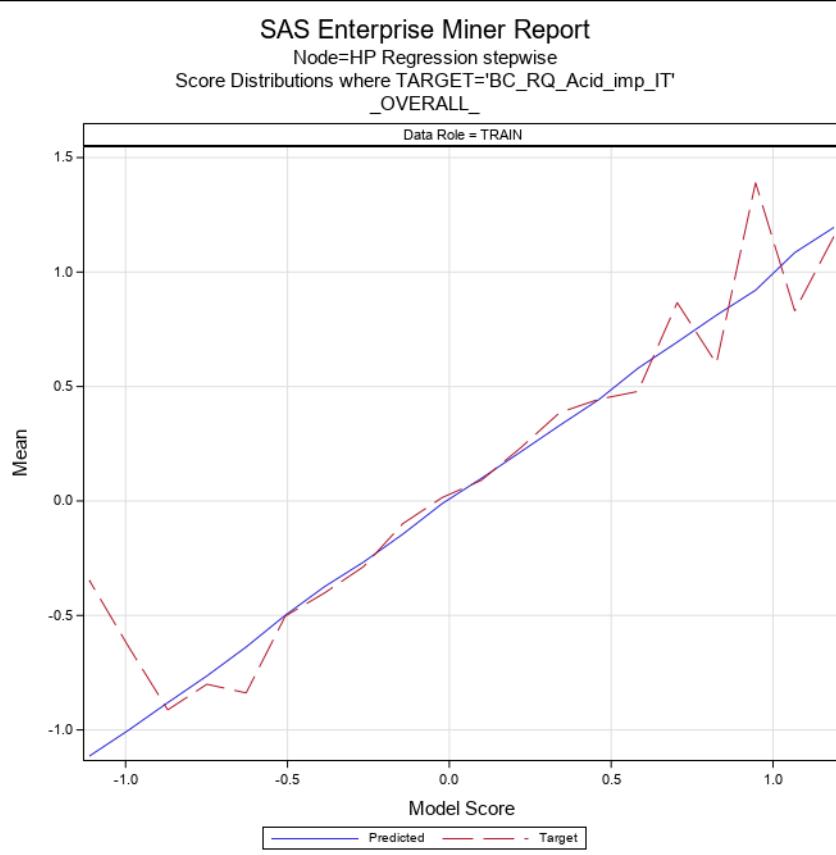


### SAS Enterprise Miner Report

Node=HP Regression stepwise

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### Node=HP Regression stepwise Score Distributions

Group= $\wedge(\text{fold}_\text{=}1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.045 - 1.162	1.16249	1.16249	1.16249	1.14239	1.14239	1.14239
0.928 - 1.045	0.98502	1.03427	0.94132	1.12265	1.80838	0.42224
0.810 - 0.928	0.87279	0.92654	0.82666	1.13460	1.92987	0.33895
0.693 - 0.810	0.72983	0.77362	0.69378	0.61548	1.86701	-1.03562
0.575 - 0.693	0.62961	0.68664	0.58054	0.80820	1.69276	-0.84532
0.458 - 0.575	0.51780	0.57316	0.46113	0.47062	1.55764	-1.29040
0.340 - 0.458	0.40327	0.45702	0.34630	0.33966	1.82242	-1.29040
0.223 - 0.340	0.28515	0.33911	0.23154	0.23433	1.73571	-1.29040
0.106 - 0.223	0.17109	0.22266	0.10923	0.25525	1.55764	-1.29040
-0.012 - 0.106	0.04030	0.10341	-0.01177	0.06205	1.65655	-1.29040
-0.129 - -0.012	-0.06244	-0.01270	-0.12668	-0.29765	1.41251	-1.29040
-0.247 - -0.129	-0.19026	-0.13892	-0.24594	-0.24437	1.53621	-1.29040
-0.364 - -0.247	-0.31249	-0.24952	-0.36137	-0.29477	1.84202	-1.29040
-0.482 - -0.364	-0.43709	-0.36555	-0.48118	-0.19791	1.77106	-1.29040
-0.599 - -0.482	-0.52868	-0.48557	-0.58199	-0.23318	0.91488	-1.29040
-0.717 - -0.599	-0.67026	-0.60385	-0.71482	-0.94534	0.34189	-1.29040
-0.834 - -0.717	-0.77821	-0.72772	-0.82915	-0.66449	1.17083	-1.29040
-0.951 - -0.834	-0.92688	-0.85372	-0.95046	-0.71679	0.51841	-1.29040
-1.069 - -0.951	-0.99122	-0.96395	-1.05648	-1.22671	-1.03562	-1.29040
-1.186 - -1.069	-1.13060	-1.08635	-1.18634	-1.24439	-1.15235	-1.29040

### Node=HP Regression stepwise Score Distributions

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.145 - 1.259	1.25294	1.25862	1.24668	1.25446	1.49143	1.12996
1.031 - 1.145	1.05655	1.06298	1.04790	1.37869	1.92987	1.08384
0.918 - 1.031	0.95525	0.98326	0.91991	1.03708	1.55764	0.16562
0.804 - 0.918	0.84680	0.89376	0.80398	0.79075	1.52157	0.08931
0.690 - 0.804	0.74105	0.80343	0.69062	0.63295	1.80838	-1.29040
0.577 - 0.690	0.63945	0.68829	0.59200	0.67998	1.82242	-1.03562
0.463 - 0.577	0.52098	0.56699	0.46631	0.36823	1.86701	-1.21823
0.349 - 0.463	0.39507	0.46093	0.34954	0.60648	1.56639	-0.93451
0.235 - 0.349	0.28698	0.34692	0.23862	0.13570	1.72308	-1.29040
0.122 - 0.235	0.18318	0.22836	0.13760	0.01105	1.55764	-1.29040
0.008 - 0.122	0.06498	0.10849	0.00923	0.28996	1.65655	-1.29040
-0.106 - 0.008	-0.03792	0.00619	-0.09488	-0.26908	1.53621	-1.29040
-0.219 - -0.106	-0.16241	-0.10731	-0.21363	0.00139	1.65655	-1.29040
-0.333 - -0.219	-0.27724	-0.22433	-0.33286	-0.21782	1.26974	-1.29040
-0.447 - -0.333	-0.38915	-0.33599	-0.44326	-0.35675	1.77106	-1.29040
-0.560 - -0.447	-0.50556	-0.44735	-0.55992	-0.42707	1.63777	-1.29040
-0.674 - -0.560	-0.62003	-0.56868	-0.67352	-1.00572	0.34189	-1.29040
-0.788 - -0.674	-0.71909	-0.68725	-0.78354	-0.64617	0.45515	-1.29040
-0.901 - -0.788	-0.84654	-0.79574	-0.89804	-0.94483	0.48660	-1.29040
-1.015 - -0.901	-0.98412	-0.94170	-1.01506	-0.87599	-0.02557	-1.29040

## Node=HP Regression stepwise Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.026 - 1.141	1.14087	1.14087	1.14087	1.92987	1.92987	1.92987
0.911 - 1.026	0.96277	1.01226	0.93343	0.94055	1.54878	-0.93451
0.796 - 0.911	0.83383	0.87384	0.80132	0.24898	1.16250	-0.84532
0.681 - 0.796	0.73071	0.78420	0.71135	0.79921	1.34813	0.24534
0.566 - 0.681	0.62328	0.67684	0.57013	0.80213	1.86701	-0.98338
0.450 - 0.566	0.51945	0.56392	0.45209	0.46764	1.82242	-1.29040
0.335 - 0.450	0.39430	0.44864	0.33874	0.65471	1.51415	-1.29040
0.220 - 0.335	0.27450	0.32847	0.22150	0.06994	1.61852	-1.29040
0.105 - 0.220	0.15480	0.21432	0.10705	0.11752	1.65655	-1.29040
-0.010 - 0.105	0.04242	0.09988	-0.00915	-0.02338	1.58869	-1.29040
-0.125 - -0.010	-0.06506	-0.01101	-0.11743	0.11606	1.53621	-1.29040
-0.240 - -0.125	-0.18206	-0.12524	-0.23836	-0.09279	1.84202	-1.29040
-0.355 - -0.240	-0.28590	-0.24085	-0.35146	-0.38546	1.13168	-1.29040
-0.470 - -0.355	-0.39271	-0.35534	-0.46343	-0.32266	1.65655	-1.29040
-0.585 - -0.470	-0.52749	-0.48648	-0.55843	-0.69085	1.77106	-1.29040
-0.700 - -0.585	-0.64115	-0.60071	-0.69623	-0.88810	0.91488	-1.29040
-0.815 - -0.700	-0.75582	-0.70510	-0.79250	-0.71132	0.48660	-1.29040
-0.930 - -0.815	-0.87075	-0.81762	-0.91509	-0.44314	-0.01343	-1.29040
-1.045 - -0.930	-1.00885	-0.99577	-1.03453	-1.20548	-1.03562	-1.29040
-1.161 - -1.045	-1.16056	-1.16056	-1.16056	-1.15235	-1.15235	-1.15235

## Node=HP Regression stepwise Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.087 - 1.208	1.16523	1.20785	1.12593	1.40878	1.92987	1.08384
0.966 - 1.087	1.04599	1.07928	1.01128	1.03236	1.54878	0.40630
0.846 - 0.966	0.87516	0.88197	0.86732	1.25104	1.55764	0.98555
0.725 - 0.846	0.79537	0.84039	0.73821	0.57679	1.41251	-0.84532
0.604 - 0.725	0.66389	0.71948	0.62486	0.80805	1.69276	-1.29040
0.483 - 0.604	0.54090	0.59604	0.48546	0.54006	1.82242	-1.21823
0.363 - 0.483	0.40550	0.47996	0.36603	0.51030	1.56639	-1.29040
0.242 - 0.363	0.29424	0.35601	0.24285	0.03936	1.72308	-1.29040
0.121 - 0.242	0.18003	0.23861	0.12215	0.27626	1.55764	-1.29040
0.000 - 0.121	0.05588	0.11885	0.00155	-0.05767	1.65655	-1.29040
-0.120 - 0.000	-0.05919	-0.00816	-0.11934	0.18154	1.58869	-1.29040
-0.241 - -0.120	-0.18669	-0.12346	-0.24009	-0.03306	1.65655	-1.29040
-0.362 - -0.241	-0.29510	-0.24144	-0.36004	-0.33085	1.13168	-1.29040
-0.483 - -0.362	-0.41582	-0.37364	-0.46736	-0.44715	1.63777	-1.29040
-0.603 - -0.483	-0.52804	-0.48954	-0.57820	-0.39487	1.77106	-1.29040
-0.724 - -0.603	-0.65817	-0.60678	-0.72179	-1.15399	-0.13485	-1.29040
-0.845 - -0.724	-0.75887	-0.72808	-0.82385	-0.97023	0.45515	-1.29040
-0.966 - -0.845	-0.90072	-0.86587	-0.94254	-0.86368	-0.01343	-1.29040
-1.086 - -0.966	-0.99791	-0.99791	-0.99791	-0.02557	-0.02557	-0.02557
-1.207 - -1.086	-1.15726	-1.09214	-1.20721	-1.15946	-1.03562	-1.29040

## Node=HP Regression stepwise Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.170 - 1.298	1.25250	1.29809	1.20691	0.76813	1.12996	0.40630
1.042 - 1.170	1.10113	1.12858	1.06170	1.37869	1.92987	1.08384
0.914 - 1.042	0.93661	0.95509	0.91913	1.09802	1.54878	0.61604
0.786 - 0.914	0.85674	0.90270	0.83008	0.95671	1.55764	-0.24068
0.658 - 0.786	0.72109	0.77758	0.66800	0.32168	1.36860	-0.98338
0.530 - 0.658	0.60083	0.65154	0.55593	0.55023	1.86701	-1.29040
0.402 - 0.530	0.46558	0.52889	0.40432	0.68648	1.82242	-1.29040
0.274 - 0.402	0.33528	0.39406	0.27551	0.44146	1.56639	-1.29040
0.146 - 0.274	0.21212	0.26985	0.15044	0.13728	1.61852	-1.29040
0.018 - 0.146	0.07833	0.14162	0.01857	0.00745	1.58869	-1.29040
-0.110 - 0.018	-0.04289	0.01813	-0.10907	0.12675	1.84202	-1.29040
-0.238 - -0.110	-0.15768	-0.11630	-0.22789	-0.17403	1.26974	-1.29040
-0.366 - -0.238	-0.29302	-0.23898	-0.34911	-0.37816	1.24620	-1.29040
-0.494 - -0.366	-0.42633	-0.36795	-0.48340	-0.47234	1.65655	-1.29040
-0.622 - -0.494	-0.55067	-0.49460	-0.62009	-0.74420	1.77106	-1.29040
-0.750 - -0.622	-0.67378	-0.62872	-0.73929	-0.46932	1.17083	-1.29040
-0.878 - -0.750	-0.81256	-0.75354	-0.85618	-0.94766	-0.02557	-1.29040
-1.006 - -0.878	-0.91028	-0.89392	-0.92814	-0.77982	-0.01343	-1.29040
-1.134 - -1.006	-1.04101	-1.02555	-1.05648	-0.40190	0.48660	-1.29040
-1.262 - -1.134	-1.21687	-1.17217	-1.26156	-0.64360	-0.13485	-1.15235

## Node=HP Regression stepwise Score Distributions

Group=\_fold\_ =6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.132 - 1.262	1.25554	1.26244	1.24865	1.16808	1.92987	0.40630
1.002 - 1.132	1.07541	1.12094	1.02754	1.09466	1.54878	0.61604
0.872 - 1.002	0.90402	0.93075	0.88506	1.01147	1.14239	0.75001
0.742 - 0.872	0.83149	0.85906	0.76997	0.86127	1.16250	0.36155
0.612 - 0.742	0.66001	0.73364	0.62326	0.83690	1.80838	-1.29040
0.482 - 0.612	0.54289	0.60797	0.48643	0.34029	1.73571	-1.21823
0.352 - 0.482	0.42530	0.48071	0.36205	0.68484	1.86701	-1.29040
0.222 - 0.352	0.28084	0.35058	0.22515	0.28574	1.61852	-1.29040
0.092 - 0.222	0.16017	0.21802	0.09696	-0.01727	1.51415	-1.29040
-0.038 - 0.092	0.02729	0.09121	-0.03588	0.06316	1.65655	-1.29040
-0.168 - -0.038	-0.10731	-0.05369	-0.16586	-0.17633	1.84202	-1.29040
-0.298 - -0.168	-0.23284	-0.16953	-0.28280	-0.34585	1.53621	-1.29040
-0.428 - -0.298	-0.37214	-0.30708	-0.42758	-0.38010	1.77106	-1.29040
-0.558 - -0.428	-0.48657	-0.42839	-0.55365	-0.18377	1.63777	-1.29040
-0.688 - -0.558	-0.62369	-0.56074	-0.68633	-1.12380	0.04068	-1.29040
-0.818 - -0.688	-0.77634	-0.72585	-0.80638	-0.51737	0.57270	-1.29040
-0.948 - -0.818	-0.88982	-0.82141	-0.94814	-1.01831	0.34189	-1.29040
-1.078 - -0.948	-0.98357	-0.95376	-1.02176	-0.62600	0.48660	-1.29040
-1.339 - -1.208	-1.33853	-1.33853	-1.33853	-1.15235	-1.15235	-1.15235

## Node=HP Regression stepwise Score Distributions

Group=\_fold\_ =7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.017 - 1.129	1.05973	1.12921	1.02593	1.22836	1.55764	1.08384
0.906 - 1.017	0.93171	0.94047	0.92294	1.13237	1.14239	1.12236
0.794 - 0.906	0.84195	0.88204	0.79448	0.96018	1.92987	-0.24068
0.682 - 0.794	0.74820	0.78881	0.68918	0.80537	1.52157	-0.93451
0.570 - 0.682	0.62029	0.67713	0.57381	0.68066	1.86701	-0.98338
0.458 - 0.570	0.52008	0.55347	0.46933	0.42963	1.73571	-1.29040
0.347 - 0.458	0.39471	0.45568	0.35067	0.48071	1.51415	-1.21823
0.235 - 0.347	0.27900	0.34138	0.23609	0.18541	1.61852	-1.29040
0.123 - 0.235	0.17805	0.23169	0.12320	0.13704	1.65655	-1.29040
0.011 - 0.123	0.06195	0.11793	0.01301	0.06261	1.58869	-1.29040
-0.100 - 0.011	-0.04268	0.01120	-0.09745	0.14007	1.46801	-1.29040
-0.212 - -0.100	-0.14932	-0.10096	-0.20743	-0.39439	1.36680	-1.29040
-0.324 - -0.212	-0.26901	-0.21669	-0.32254	-0.44054	1.26974	-1.29040
-0.436 - -0.324	-0.38279	-0.33237	-0.43537	-0.47320	1.63777	-1.29040
-0.548 - -0.436	-0.49771	-0.44197	-0.54599	-0.48906	0.91488	-1.29040
-0.659 - -0.548	-0.60847	-0.55264	-0.65337	-0.25127	1.77106	-1.29040
-0.771 - -0.659	-0.70131	-0.67070	-0.72123	-1.06732	-0.15603	-1.29040
-0.883 - -0.771	-0.81857	-0.77168	-0.87606	-0.52300	0.57270	-1.29040
-0.995 - -0.883	-0.93570	-0.88886	-0.99438	-0.62659	0.48660	-1.29040
-1.107 - -0.995	-1.07127	-1.03530	-1.10652	-1.25589	-1.15235	-1.29040

## Node=HP Regression stepwise Score Distributions

Group=\_fold\_ =8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.049 - 1.168	1.11094	1.16810	1.05377	0.76813	1.12996	0.40630
0.930 - 1.049	0.95177	0.96508	0.94194	1.23909	1.49143	1.08384
0.811 - 0.930	0.82433	0.82433	0.82433	-0.69337	-0.69337	-0.69337
0.692 - 0.811	0.74022	0.80928	0.69654	0.69714	1.92987	-0.53830
0.574 - 0.692	0.63689	0.68451	0.57807	0.96449	1.80838	-0.18592
0.455 - 0.574	0.50500	0.57037	0.45555	0.33447	1.55764	-1.29040
0.336 - 0.455	0.37996	0.43037	0.33614	0.31485	1.82242	-1.29040
0.217 - 0.336	0.28438	0.32935	0.21741	0.40235	1.86701	-1.29040
0.098 - 0.217	0.15483	0.20954	0.10096	0.14653	1.56639	-1.29040
-0.021 - 0.098	0.03688	0.09617	-0.02099	-0.10300	1.46801	-1.29040
-0.140 - -0.021	-0.07262	-0.02366	-0.13615	0.12576	1.65655	-1.29040
-0.259 - -0.140	-0.19351	-0.14158	-0.25609	-0.09316	1.58869	-1.29040
-0.378 - -0.259	-0.31110	-0.26229	-0.37691	-0.44637	1.77106	-1.29040
-0.497 - -0.378	-0.43063	-0.38090	-0.48589	-0.58023	1.17083	-1.29040
-0.616 - -0.497	-0.55739	-0.50934	-0.61288	-0.52423	1.17083	-1.29040
-0.735 - -0.616	-0.67139	-0.61938	-0.70774	-0.69104	0.06635	-1.29040
-0.853 - -0.735	-0.82418	-0.79588	-0.85210	-0.44097	0.48660	-1.29040
-0.972 - -0.853	-0.89734	-0.86101	-0.94410	-1.22671	-1.03562	-1.29040
-1.091 - -0.972	-1.06018	-1.05632	-1.06404	-0.47426	0.34189	-1.29040
-1.210 - -1.091	-1.17182	-1.13341	-1.21023	-1.22138	-1.15235	-1.29040

## Node=HP Regression stepwise Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.128 - 1.249	1.19503	1.24865	1.12858	1.15538	1.92987	0.40630
1.007 - 1.128	1.08495	1.12094	1.03861	0.83000	1.54878	-0.24068
0.885 - 1.007	0.92068	0.95185	0.89104	1.39048	1.55764	1.12236
0.764 - 0.885	0.81131	0.88197	0.76867	0.60051	1.80838	-0.93451
0.643 - 0.764	0.69399	0.76023	0.64547	0.86663	1.45401	-0.18592
0.522 - 0.643	0.57970	0.64040	0.52594	0.47849	1.82242	-1.29040
0.401 - 0.522	0.44284	0.51621	0.40253	0.44439	1.86701	-1.29040
0.280 - 0.401	0.32999	0.39921	0.28158	0.38600	1.52157	-1.29040
0.159 - 0.280	0.21374	0.27966	0.16014	0.23155	1.72308	-1.29040
0.038 - 0.159	0.09828	0.15872	0.03993	0.08992	1.65655	-1.29040
-0.083 - 0.038	-0.01184	0.03732	-0.07784	0.01474	1.58869	-1.29040
-0.204 - -0.083	-0.14475	-0.08574	-0.20299	-0.09894	1.84202	-1.29040
-0.325 - -0.204	-0.26635	-0.20800	-0.32003	-0.28630	1.77106	-1.29040
-0.446 - -0.325	-0.37441	-0.32893	-0.42959	-0.40185	1.65655	-1.29040
-0.567 - -0.446	-0.49912	-0.44879	-0.54412	-0.50308	1.63777	-1.29040
-0.688 - -0.567	-0.63796	-0.57453	-0.68411	-0.83853	0.45515	-1.29040
-0.809 - -0.688	-0.76409	-0.69195	-0.80811	-0.80052	0.57270	-1.29040
-0.930 - -0.809	-0.88090	-0.82364	-0.91143	-0.91243	-0.13485	-1.29040
-1.051 - -0.930	-1.00115	-0.95046	-1.03453	-0.63665	0.51841	-1.29040
-1.172 - -1.051	-1.11438	-1.05632	-1.17243	-0.34687	0.34189	-1.03562

## Node=HP Regression stepwise Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	336
2	^(fold_=2)	347
3	^(fold_=3)	335
4	^(fold_=4)	356
5	^(fold_=5)	338
6	^(fold_=6)	342
7	^(fold_=7)	350
8	^(fold_=8)	347

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp6  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp6 => HPReg3 => EndGrp6  
 Notes =

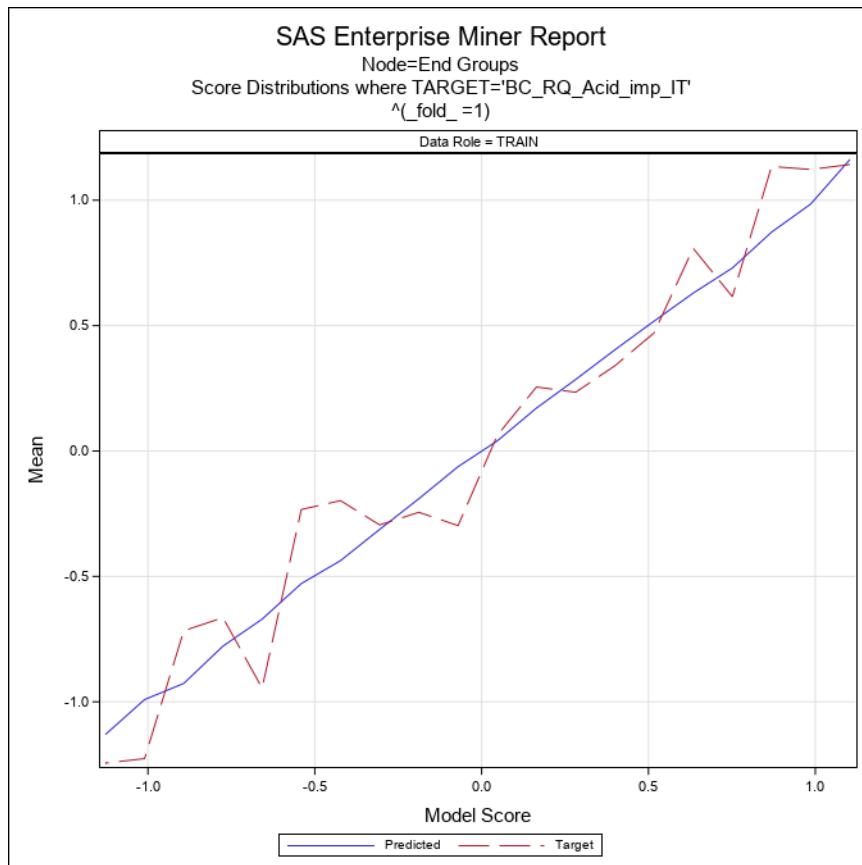
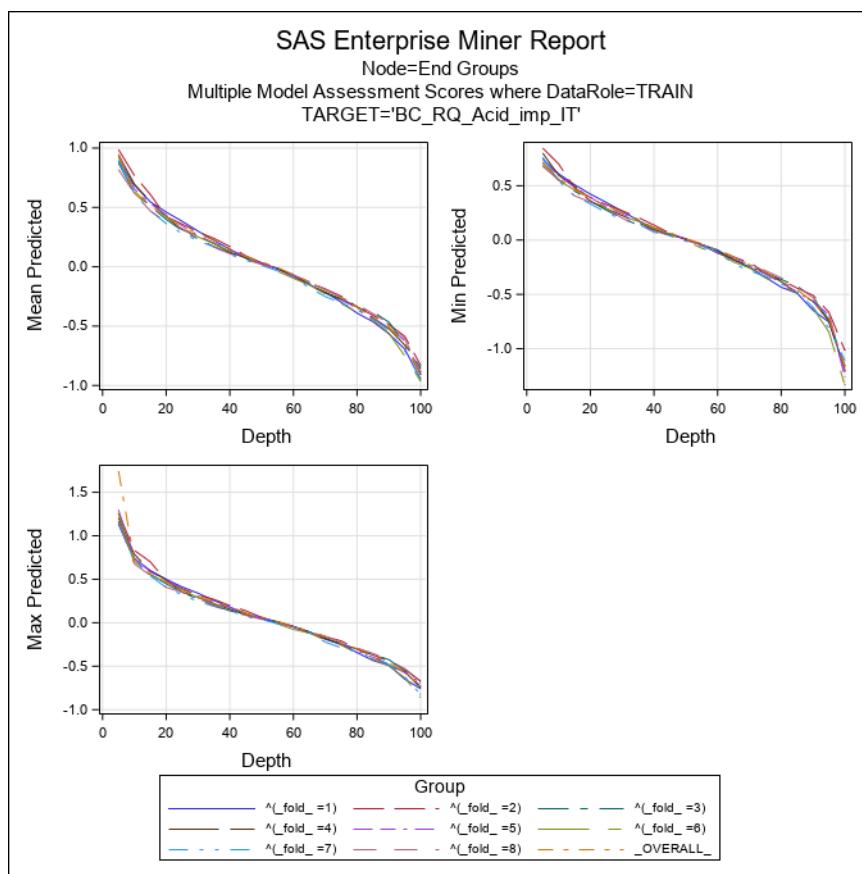
### Node=End Groups Properties

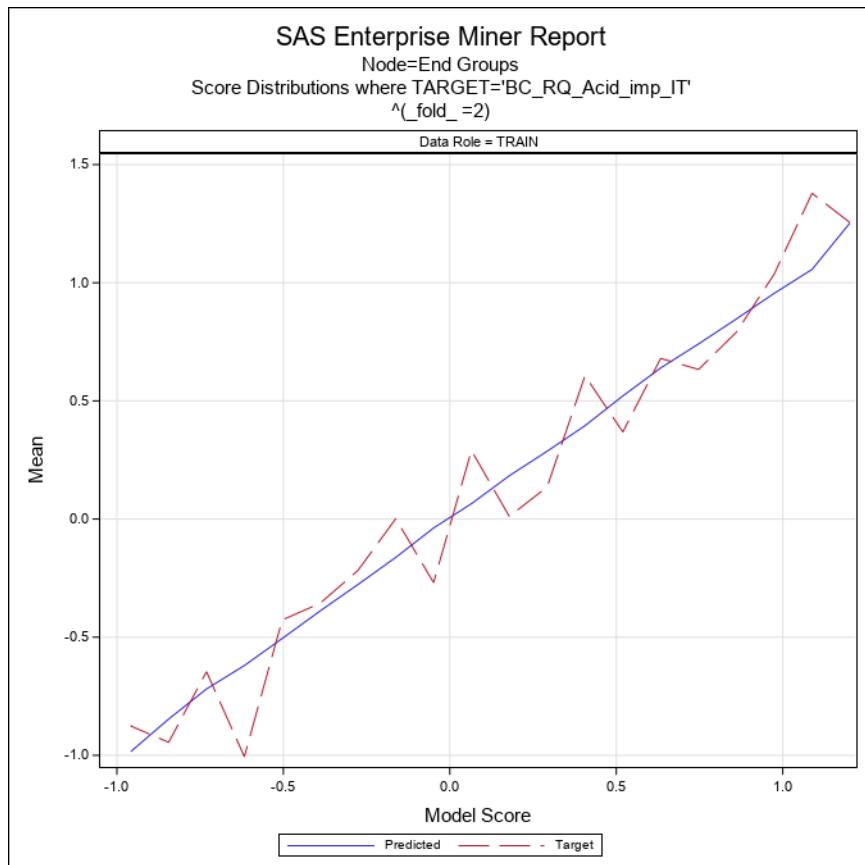
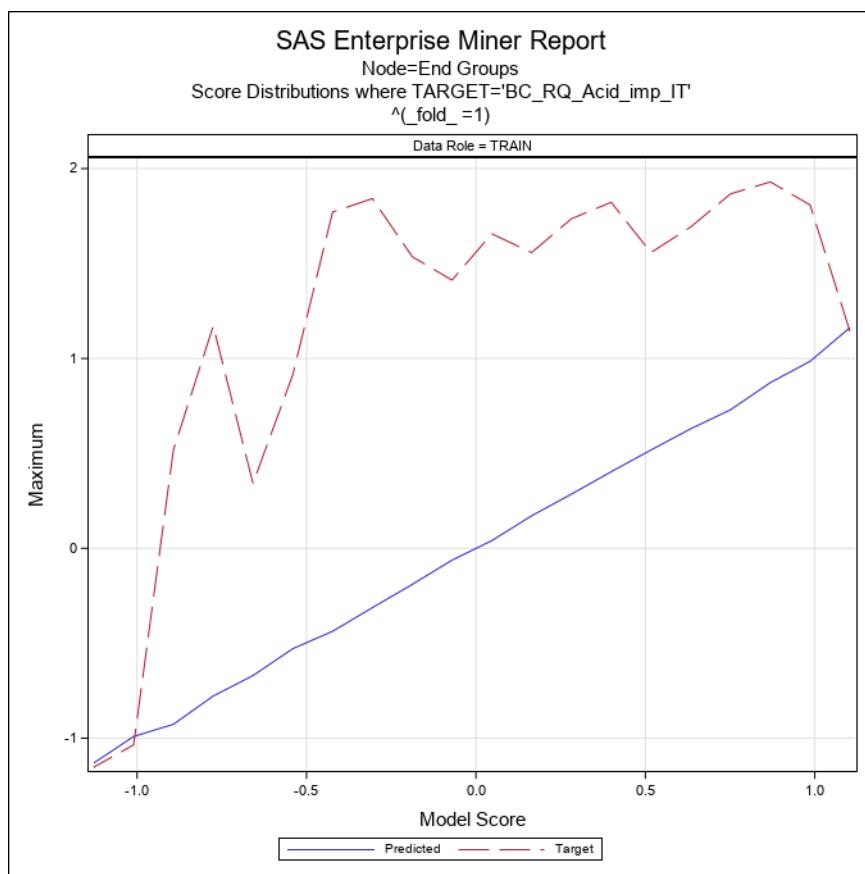
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

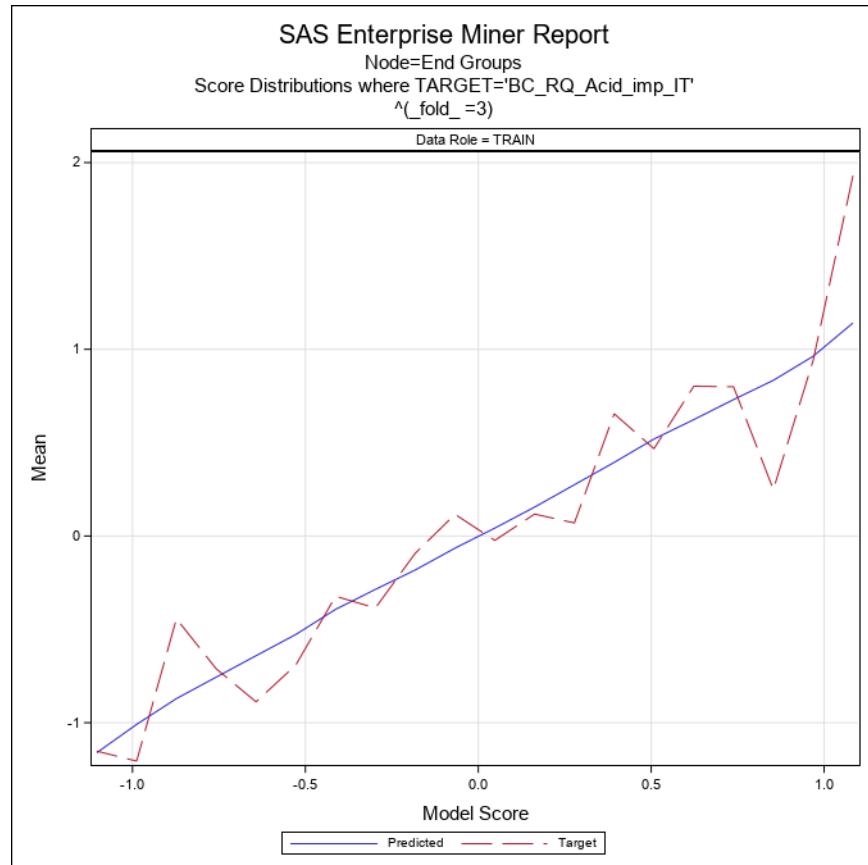
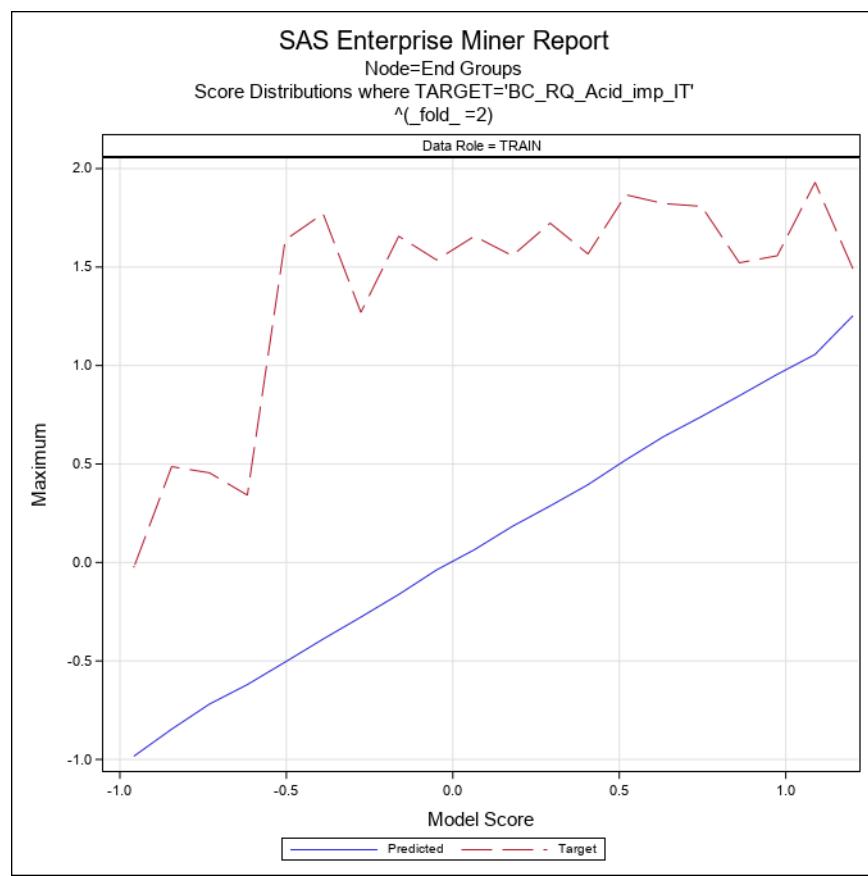
### Node=End Groups Variable Summary

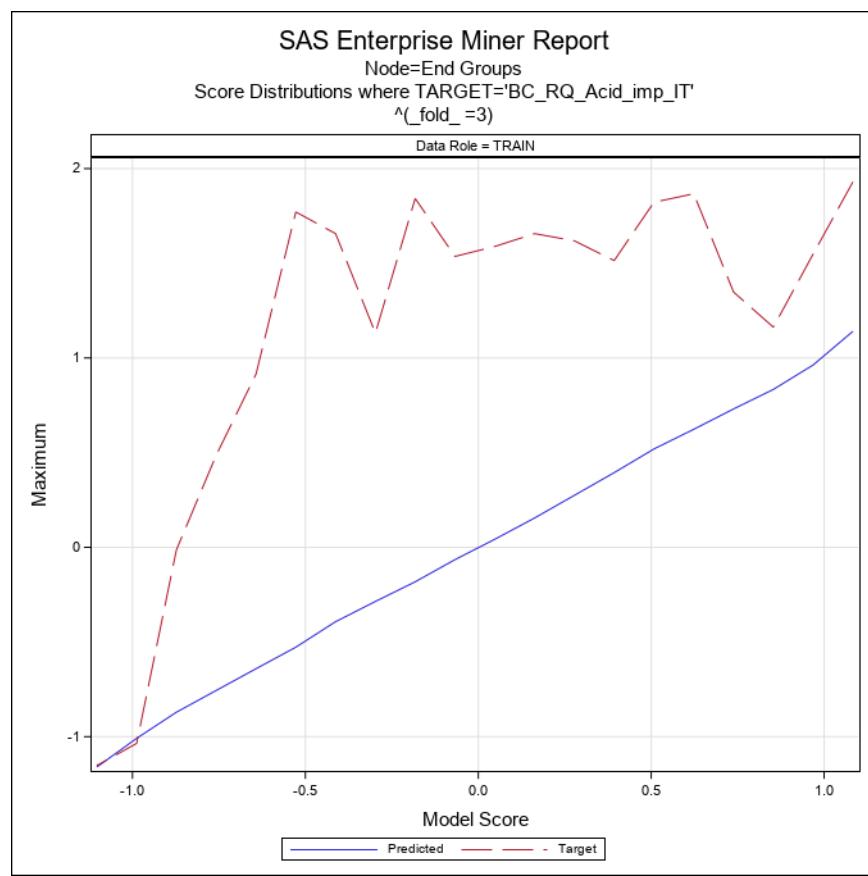
Role	Level	Frequency Count	Name
INPUT	INTERVAL	11	BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT NEO_E_imp_IT PASStot_imp_IT PCCLcat_imp_IT PCCLext_imp_IT PHQ9dep_imp_IT VSltot_imp_IT_XVAL_-
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

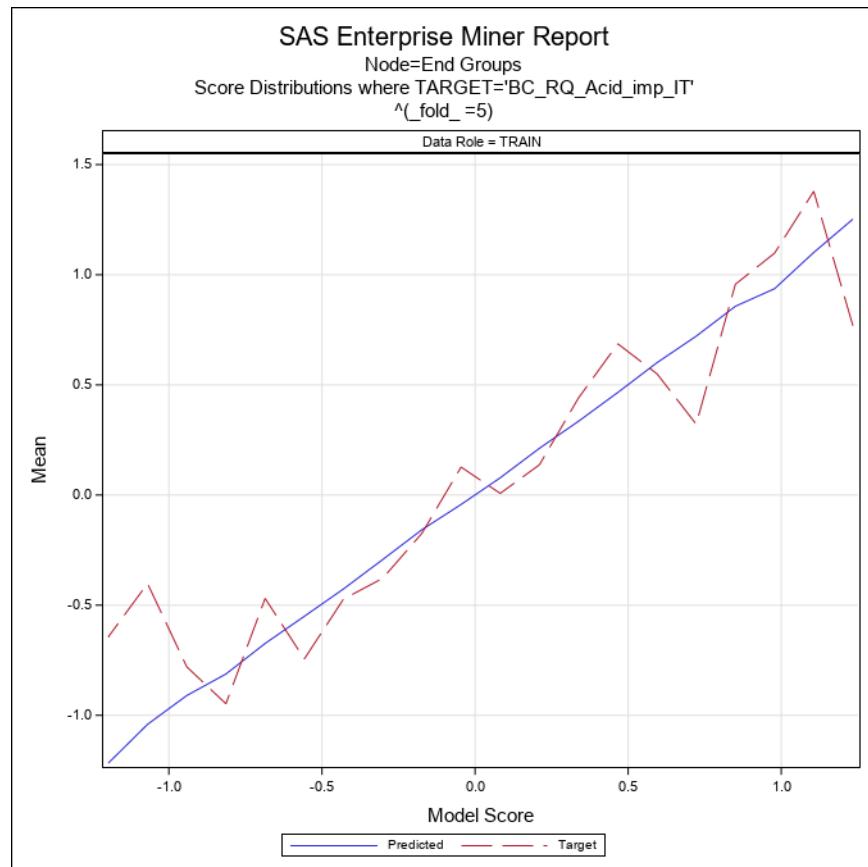
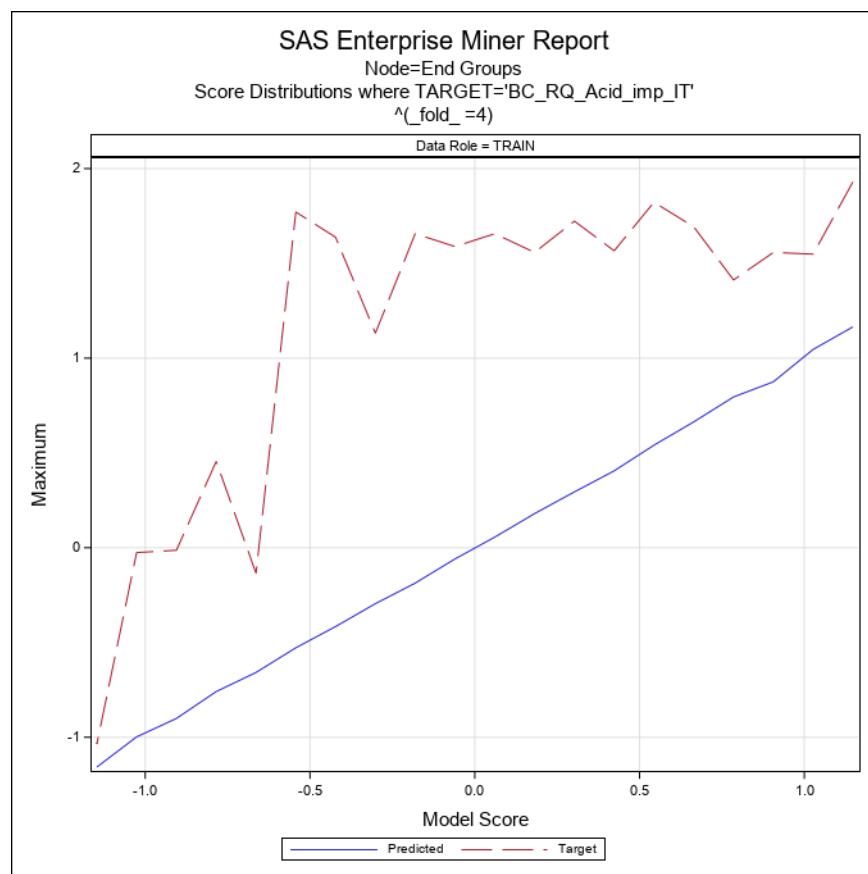
Group Index	Group	ModelId	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	^(fold_=1)	HPReg3	BC_RQ_Acid_imp_IT	0.79349	344	2.20517	344	0.89078	272.960	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	HPReg3	BC_RQ_Acid_imp_IT	0.80266	342	2.20459	342	0.89591	274.509	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	HPReg3	BC_RQ_Acid_imp_IT	0.79250	357	2.32949	357	0.89023	282.923	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	HPReg3	BC_RQ_Acid_imp_IT	0.79583	353	2.29042	353	0.89209	280.928	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	HPReg3	BC_RQ_Acid_imp_IT	0.79299	344	2.35429	344	0.89050	272.788	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	HPReg3	BC_RQ_Acid_imp_IT	0.81034	345	2.19864	345	0.90019	279.567	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	HPReg3	BC_RQ_Acid_imp_IT	0.80396	316	2.38842	316	0.89664	254.051	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	HPReg3	BC_RQ_Acid_imp_IT	0.80314	334	2.08967	334	0.89618	268.250	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	0.81891	393	2.20459	393	0.90494	321.832	ReQuest (acid subscale) (Box-Cox transformed)

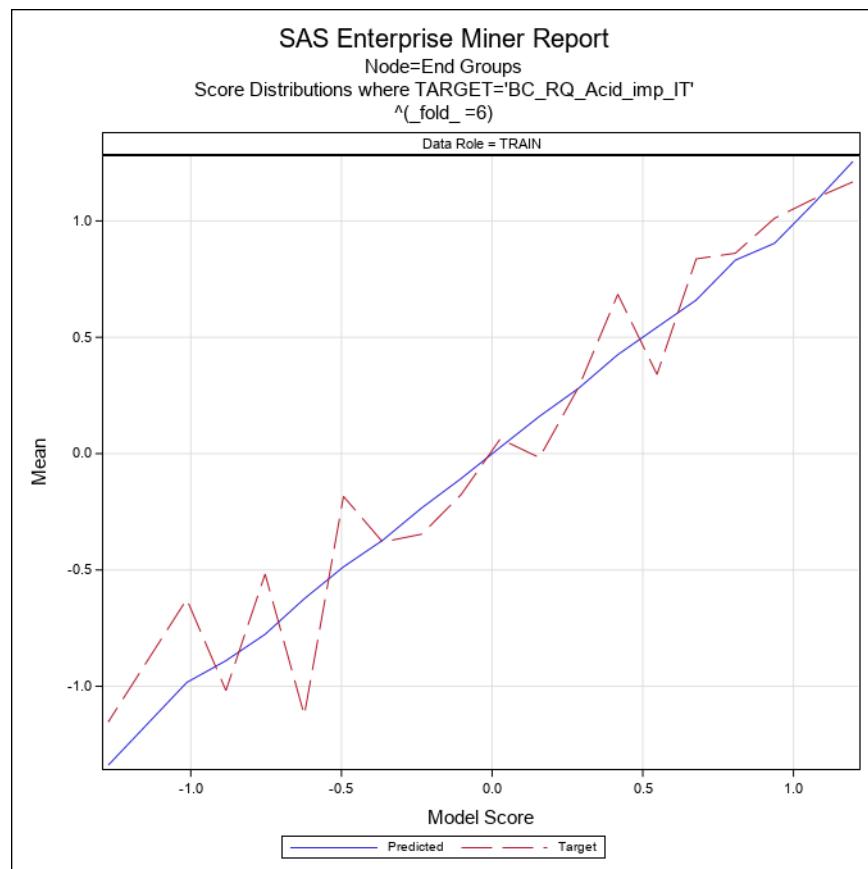
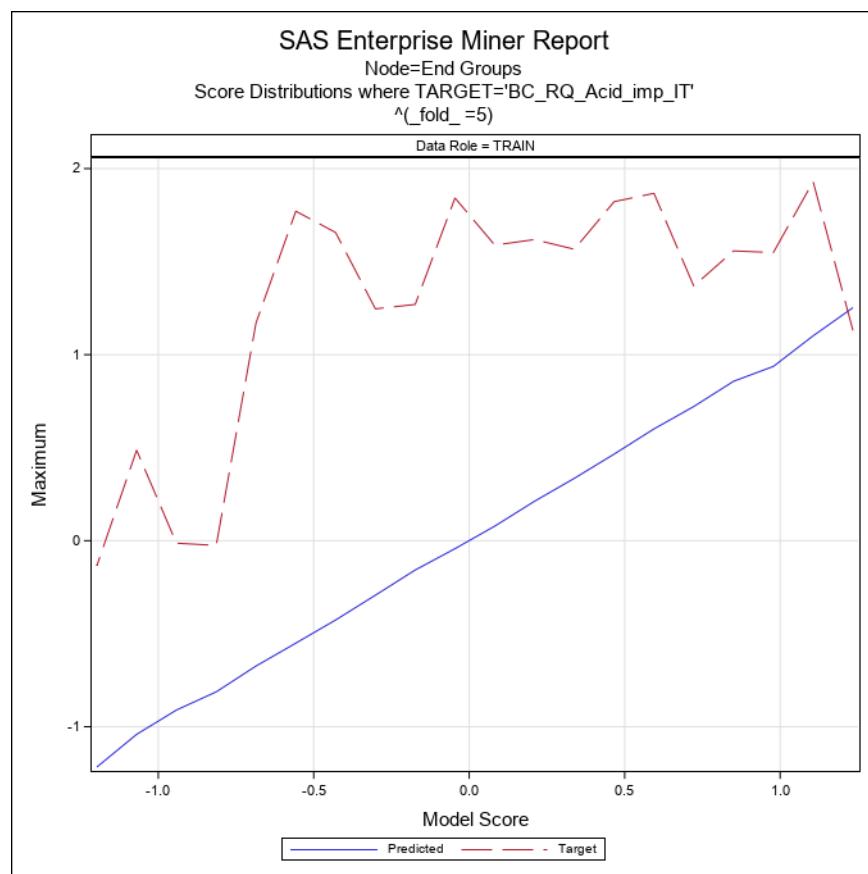










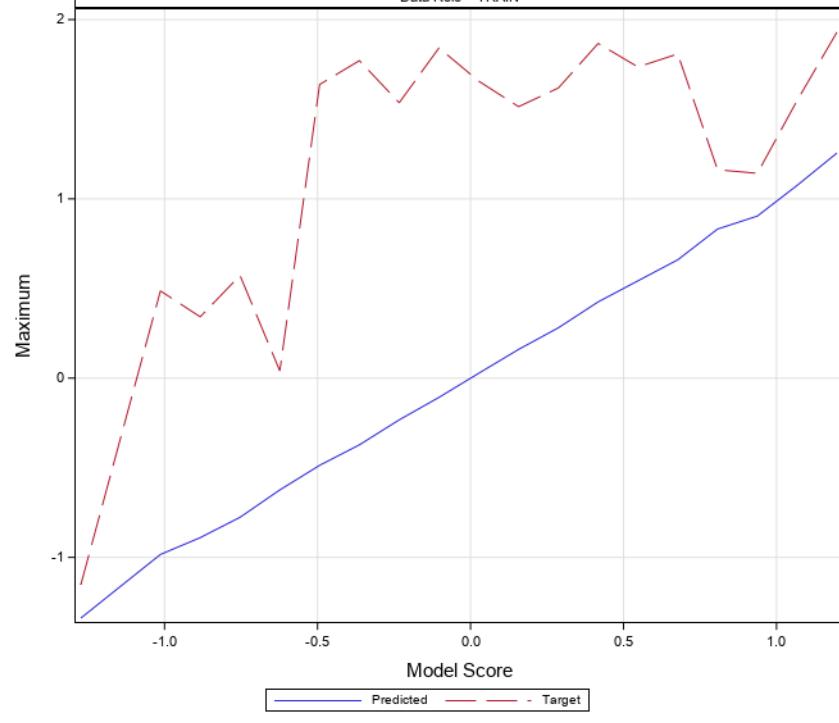


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

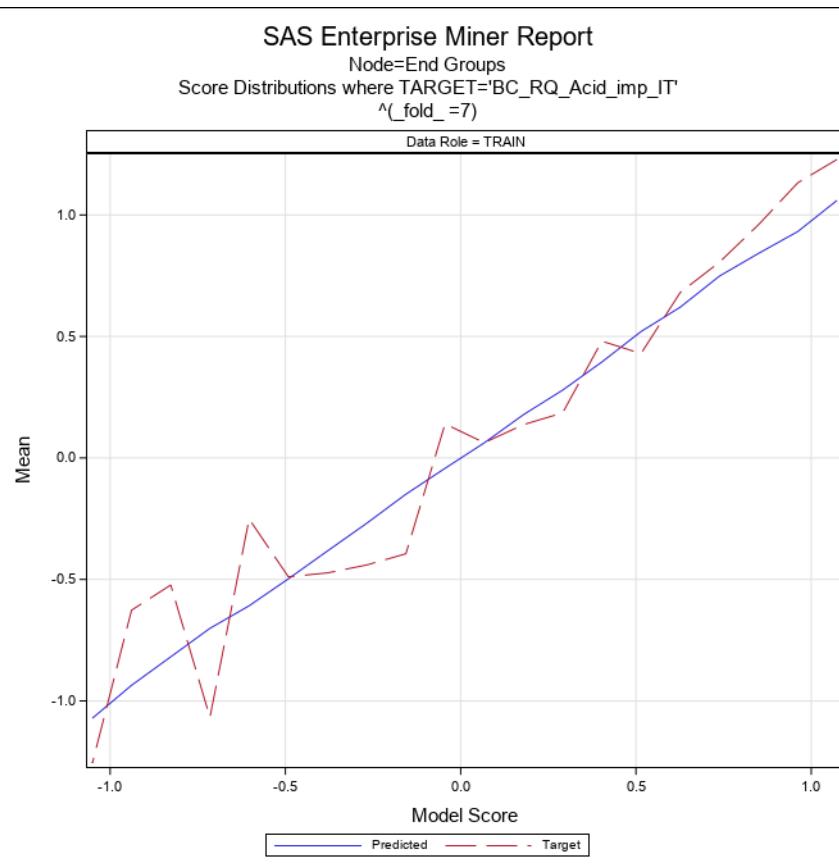


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

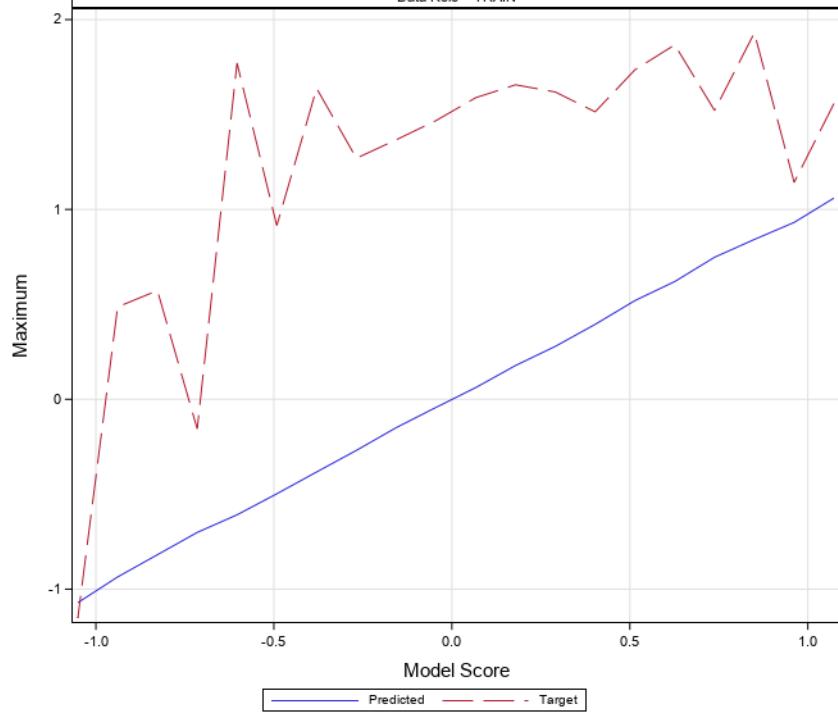


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

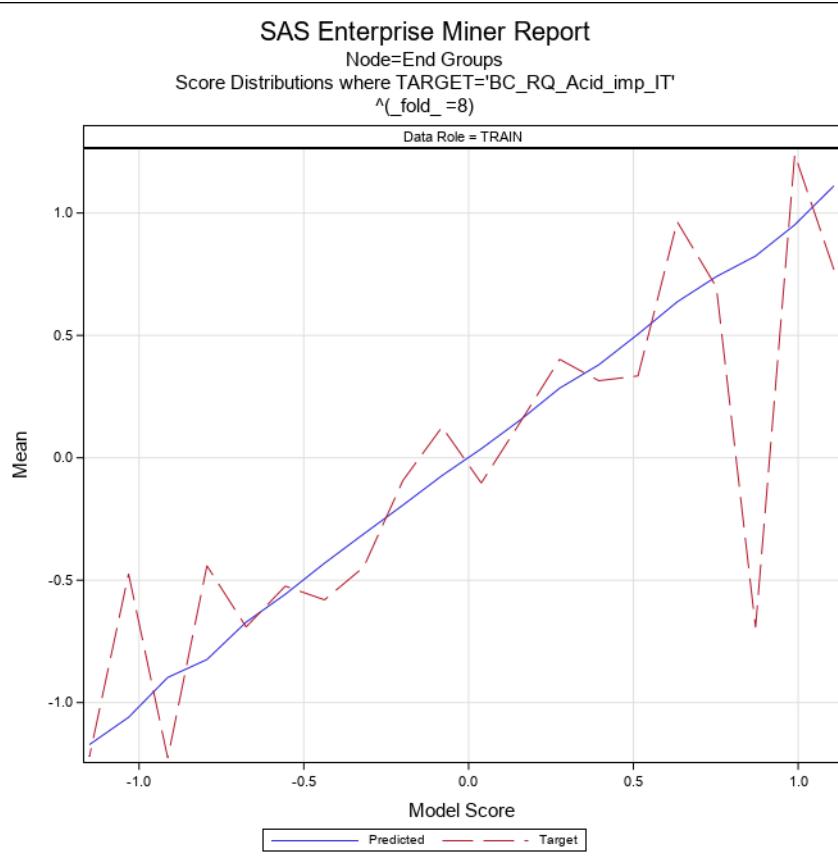


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

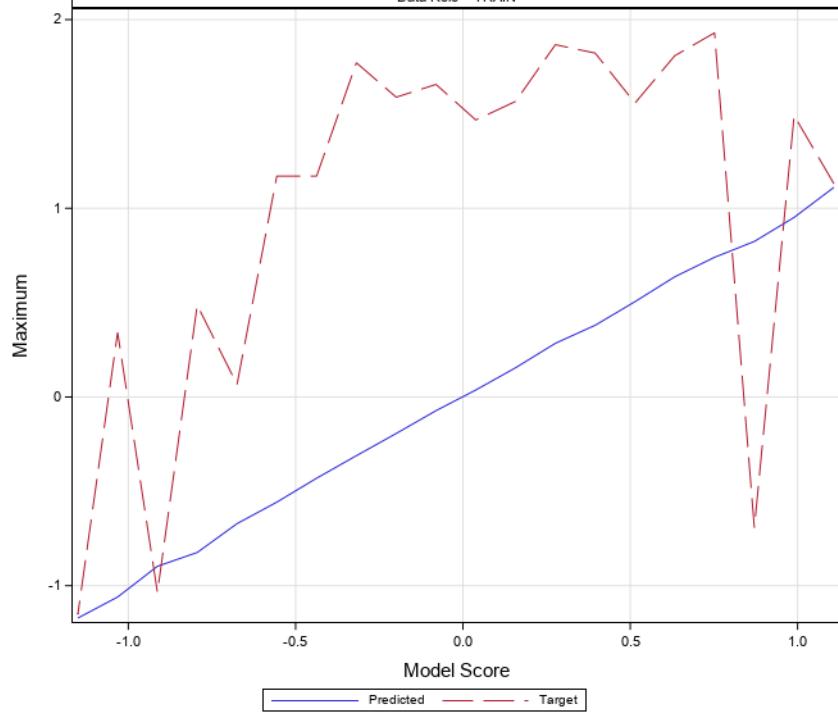


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

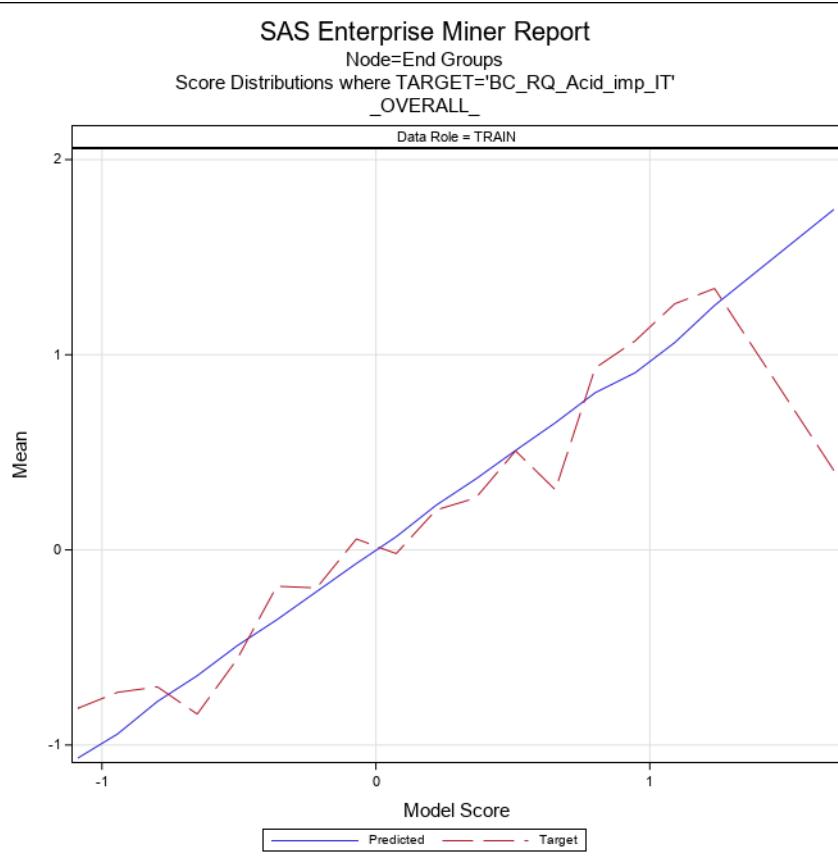


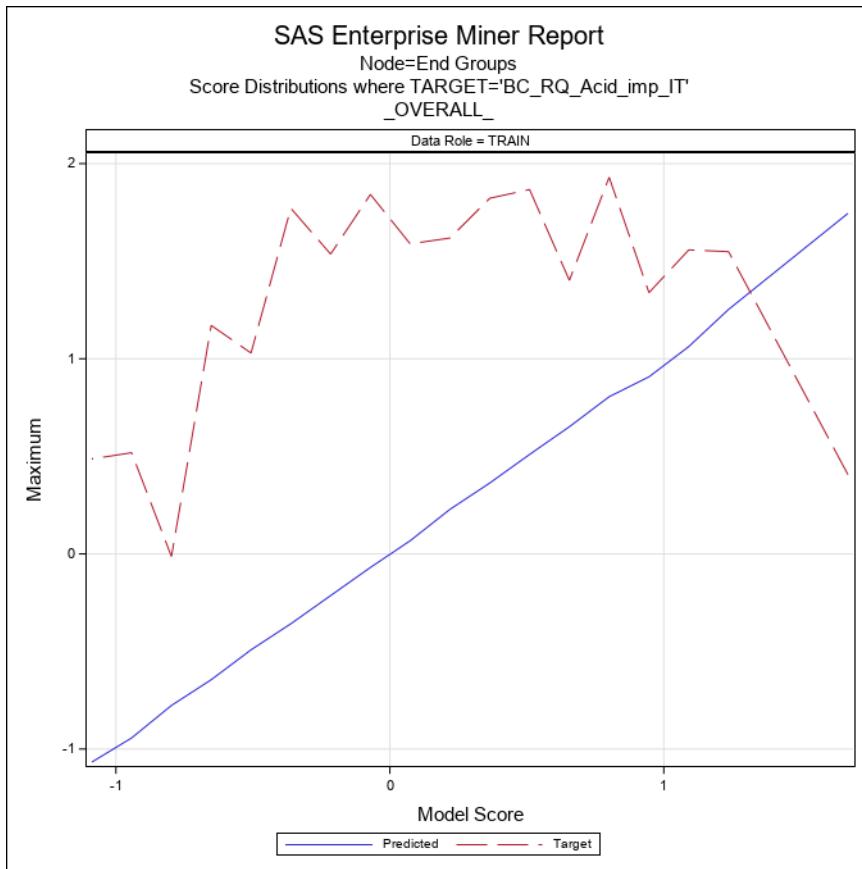
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### Node=End Groups Score Distributions

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.045 - 1.162	1.16249	1.16249	1.16249	1.14239	1.14239	1.14239
0.928 - 1.045	0.98502	1.03427	0.94132	1.12265	1.80838	0.42224
0.810 - 0.928	0.87279	0.92654	0.82666	1.13460	1.92987	0.33895
0.693 - 0.810	0.72983	0.77362	0.69378	0.61548	1.86701	-1.03562
0.575 - 0.693	0.62961	0.68664	0.58054	0.80820	1.69276	-0.84532
0.458 - 0.575	0.51780	0.57316	0.46113	0.47062	1.55764	-1.29040
0.340 - 0.458	0.40327	0.45702	0.34630	0.33966	1.82242	-1.29040
0.223 - 0.340	0.28515	0.33911	0.23154	0.23433	1.73571	-1.29040
0.106 - 0.223	0.17109	0.22266	0.10923	0.25525	1.55764	-1.29040
-0.012 - 0.106	0.04030	0.10341	-0.01177	0.06205	1.65655	-1.29040
-0.129 - -0.012	-0.06244	-0.01270	-0.12668	-0.29765	1.41251	-1.29040
-0.247 - -0.129	-0.19026	-0.13892	-0.24594	-0.24437	1.53621	-1.29040
-0.364 - -0.247	-0.31249	-0.24952	-0.36137	-0.29477	1.84202	-1.29040
-0.482 - -0.364	-0.43709	-0.36555	-0.48118	-0.19791	1.77106	-1.29040
-0.599 - -0.482	-0.52868	-0.48557	-0.58199	-0.23318	0.91488	-1.29040
-0.717 - -0.599	-0.67026	-0.60385	-0.71482	-0.94534	0.34189	-1.29040
-0.834 - -0.717	-0.77821	-0.72772	-0.82915	-0.66449	1.17083	-1.29040
-0.951 - -0.834	-0.92688	-0.85372	-0.95046	-0.71679	0.51841	-1.29040
-1.069 - -0.951	-0.99122	-0.96395	-1.05648	-1.22671	-1.03562	-1.29040
-1.186 - -1.069	-1.13060	-1.08635	-1.18634	-1.24439	-1.15235	-1.29040

### Node=End Groups Score Distributions

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.145 - 1.259	1.25294	1.25862	1.24668	1.25446	1.49143	1.12996
1.031 - 1.145	1.05655	1.06298	1.04790	1.37869	1.92987	1.08384
0.918 - 1.031	0.95525	0.98326	0.91991	1.03708	1.55764	0.16562
0.804 - 0.918	0.84680	0.89376	0.80398	0.79075	1.52157	0.08931
0.690 - 0.804	0.74105	0.80343	0.69062	0.63295	1.80838	-1.29040
0.577 - 0.690	0.63945	0.68829	0.59200	0.67998	1.82242	-1.03562
0.463 - 0.577	0.52098	0.56699	0.46631	0.36823	1.86701	-1.21823
0.349 - 0.463	0.39507	0.46093	0.34954	0.60648	1.56639	-0.93451
0.235 - 0.349	0.28698	0.34692	0.23862	0.13570	1.72308	-1.29040
0.122 - 0.235	0.18318	0.22836	0.13760	0.01105	1.55764	-1.29040
0.008 - 0.122	0.06498	0.10849	0.00923	0.28996	1.65655	-1.29040
-0.106 - 0.008	-0.03792	0.00619	-0.09488	-0.26908	1.53621	-1.29040
-0.219 - -0.106	-0.16241	-0.10731	-0.21363	0.00139	1.65655	-1.29040
-0.333 - -0.219	-0.27724	-0.22433	-0.33286	-0.21782	1.26974	-1.29040
-0.447 - -0.333	-0.38915	-0.33599	-0.44326	-0.35675	1.77106	-1.29040
-0.560 - -0.447	-0.50556	-0.44735	-0.55992	-0.42707	1.63777	-1.29040
-0.674 - -0.560	-0.62003	-0.56868	-0.67352	-1.00572	0.34189	-1.29040
-0.788 - -0.674	-0.71909	-0.68725	-0.78354	-0.64617	0.45515	-1.29040
-0.901 - -0.788	-0.84654	-0.79574	-0.89804	-0.94483	0.48660	-1.29040
-1.015 - -0.901	-0.98412	-0.94170	-1.01506	-0.87599	-0.02557	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.026 - 1.141	1.14087	1.14087	1.14087	1.92987	1.92987	1.92987
0.911 - 1.026	0.96277	1.01226	0.93343	0.94055	1.54878	-0.93451
0.796 - 0.911	0.83383	0.87384	0.80132	0.24898	1.16250	-0.84532
0.681 - 0.796	0.73071	0.78420	0.71135	0.79921	1.34813	0.24534
0.566 - 0.681	0.62328	0.67684	0.57013	0.80213	1.86701	-0.98338
0.450 - 0.566	0.51945	0.56392	0.45209	0.46764	1.82242	-1.29040
0.335 - 0.450	0.39430	0.44864	0.33874	0.65471	1.51415	-1.29040
0.220 - 0.335	0.27450	0.32847	0.22150	0.06994	1.61852	-1.29040
0.105 - 0.220	0.15480	0.21432	0.10705	0.11752	1.65655	-1.29040
-0.010 - 0.105	0.04242	0.09988	-0.00915	-0.02338	1.58869	-1.29040
-0.125 - -0.010	-0.06506	-0.01101	-0.11743	0.11606	1.53621	-1.29040
-0.240 - -0.125	-0.18206	-0.12524	-0.23836	-0.09279	1.84202	-1.29040
-0.355 - -0.240	-0.28590	-0.24085	-0.35146	-0.38546	1.13168	-1.29040
-0.470 - -0.355	-0.39271	-0.35534	-0.46343	-0.32266	1.65655	-1.29040
-0.585 - -0.470	-0.52749	-0.48648	-0.55843	-0.69085	1.77106	-1.29040
-0.700 - -0.585	-0.64115	-0.60071	-0.69623	-0.88810	0.91488	-1.29040
-0.815 - -0.700	-0.75582	-0.70510	-0.79250	-0.71132	0.48660	-1.29040
-0.930 - -0.815	-0.87075	-0.81762	-0.91509	-0.44314	-0.01343	-1.29040
-1.045 - -0.930	-1.00885	-0.99577	-1.03453	-1.20548	-1.03562	-1.29040
-1.161 - -1.045	-1.16056	-1.16056	-1.16056	-1.15235	-1.15235	-1.15235

## Node=End Groups Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.087 - 1.208	1.16523	1.20785	1.12593	1.40878	1.92987	1.08384
0.966 - 1.087	1.04599	1.07928	1.01128	1.03236	1.54878	0.40630
0.846 - 0.966	0.87516	0.88197	0.86732	1.25104	1.55764	0.98555
0.725 - 0.846	0.79537	0.84039	0.73821	0.57679	1.41251	-0.84532
0.604 - 0.725	0.66389	0.71948	0.62486	0.80805	1.69276	-1.29040
0.483 - 0.604	0.54090	0.59604	0.48546	0.54006	1.82242	-1.21823
0.363 - 0.483	0.40550	0.47996	0.36603	0.51030	1.56639	-1.29040
0.242 - 0.363	0.29424	0.35601	0.24285	0.03936	1.72308	-1.29040
0.121 - 0.242	0.18003	0.23861	0.12215	0.27626	1.55764	-1.29040
0.000 - 0.121	0.05588	0.11885	0.00155	-0.05767	1.65655	-1.29040
-0.120 - 0.000	-0.05919	-0.00816	-0.11934	0.18154	1.58869	-1.29040
-0.241 - -0.120	-0.18669	-0.12346	-0.24009	-0.03306	1.65655	-1.29040
-0.362 - -0.241	-0.29510	-0.24144	-0.36004	-0.33085	1.13168	-1.29040
-0.483 - -0.362	-0.41582	-0.37364	-0.46736	-0.44715	1.63777	-1.29040
-0.603 - -0.483	-0.52804	-0.48954	-0.57820	-0.39487	1.77106	-1.29040
-0.724 - -0.603	-0.65817	-0.60678	-0.72179	-1.15399	-0.13485	-1.29040
-0.845 - -0.724	-0.75887	-0.72808	-0.82385	-0.97023	0.45515	-1.29040
-0.966 - -0.845	-0.90072	-0.86587	-0.94254	-0.86368	-0.01343	-1.29040
-1.086 - -0.966	-0.99791	-0.99791	-0.99791	-0.02557	-0.02557	-0.02557
-1.207 - -1.086	-1.15726	-1.09214	-1.20721	-1.15946	-1.03562	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.170 - 1.298	1.25250	1.29809	1.20691	0.76813	1.12996	0.40630
1.042 - 1.170	1.10113	1.12858	1.06170	1.37869	1.92987	1.08384
0.914 - 1.042	0.93661	0.95509	0.91913	1.09802	1.54878	0.61604
0.786 - 0.914	0.85674	0.90270	0.83008	0.95671	1.55764	-0.24068
0.658 - 0.786	0.72109	0.77758	0.66800	0.32168	1.36860	-0.98338
0.530 - 0.658	0.60083	0.65154	0.55593	0.55023	1.86701	-1.29040
0.402 - 0.530	0.46558	0.52889	0.40432	0.68648	1.82242	-1.29040
0.274 - 0.402	0.33528	0.39406	0.27551	0.44146	1.56639	-1.29040
0.146 - 0.274	0.21212	0.26985	0.15044	0.13728	1.61852	-1.29040
0.018 - 0.146	0.07833	0.14162	0.01857	0.00745	1.58869	-1.29040
-0.110 - 0.018	-0.04289	0.01813	-0.10907	0.12675	1.84202	-1.29040
-0.238 - -0.110	-0.15768	-0.11630	-0.22789	-0.17403	1.26974	-1.29040
-0.366 - -0.238	-0.29302	-0.23898	-0.34911	-0.37816	1.24620	-1.29040
-0.494 - -0.366	-0.42633	-0.36795	-0.48340	-0.47234	1.65655	-1.29040
-0.622 - -0.494	-0.55067	-0.49460	-0.62009	-0.74420	1.77106	-1.29040
-0.750 - -0.622	-0.67378	-0.62872	-0.73929	-0.46932	1.17083	-1.29040
-0.878 - -0.750	-0.81256	-0.75354	-0.85618	-0.94766	-0.02557	-1.29040
-1.006 - -0.878	-0.91028	-0.89392	-0.92814	-0.77982	-0.01343	-1.29040
-1.134 - -1.006	-1.04101	-1.02555	-1.05648	-0.40190	0.48660	-1.29040
-1.262 - -1.134	-1.21687	-1.17217	-1.26156	-0.64360	-0.13485	-1.15235

## Node=End Groups Score Distributions

Group=\_fold\_ =6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.132 - 1.262	1.25554	1.26244	1.24865	1.16808	1.92987	0.40630
1.002 - 1.132	1.07541	1.12094	1.02754	1.09466	1.54878	0.61604
0.872 - 1.002	0.90402	0.93075	0.88506	1.01147	1.14239	0.75001
0.742 - 0.872	0.83149	0.85906	0.76997	0.86127	1.16250	0.36155
0.612 - 0.742	0.66001	0.73364	0.62326	0.83690	1.80838	-1.29040
0.482 - 0.612	0.54289	0.60797	0.48643	0.34029	1.73571	-1.21823
0.352 - 0.482	0.42530	0.48071	0.36205	0.68484	1.86701	-1.29040
0.222 - 0.352	0.28084	0.35058	0.22515	0.28574	1.61852	-1.29040
0.092 - 0.222	0.16017	0.21802	0.09696	-0.01727	1.51415	-1.29040
-0.038 - 0.092	0.02729	0.09121	-0.03588	0.06316	1.65655	-1.29040
-0.168 - -0.038	-0.10731	-0.05369	-0.16586	-0.17633	1.84202	-1.29040
-0.298 - -0.168	-0.23284	-0.16953	-0.28280	-0.34585	1.53621	-1.29040
-0.428 - -0.298	-0.37214	-0.30708	-0.42758	-0.38010	1.77106	-1.29040
-0.558 - -0.428	-0.48657	-0.42839	-0.55365	-0.18377	1.63777	-1.29040
-0.688 - -0.558	-0.62369	-0.56074	-0.68633	-1.12380	0.04068	-1.29040
-0.818 - -0.688	-0.77634	-0.72585	-0.80638	-0.51737	0.57270	-1.29040
-0.948 - -0.818	-0.88982	-0.82141	-0.94814	-1.01831	0.34189	-1.29040
-1.078 - -0.948	-0.98357	-0.95376	-1.02176	-0.62600	0.48660	-1.29040
-1.339 - -1.208	-1.33853	-1.33853	-1.33853	-1.15235	-1.15235	-1.15235

## Node=End Groups Score Distributions

Group=\_fold\_ =7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.017 - 1.129	1.05973	1.12921	1.02593	1.22836	1.55764	1.08384
0.906 - 1.017	0.93171	0.94047	0.92294	1.13237	1.14239	1.12236
0.794 - 0.906	0.84195	0.88204	0.79448	0.96018	1.92987	-0.24068
0.682 - 0.794	0.74820	0.78881	0.68918	0.80537	1.52157	-0.93451
0.570 - 0.682	0.62029	0.67713	0.57381	0.68066	1.86701	-0.98338
0.458 - 0.570	0.52008	0.55347	0.46933	0.42963	1.73571	-1.29040
0.347 - 0.458	0.39471	0.45568	0.35067	0.48071	1.51415	-1.21823
0.235 - 0.347	0.27900	0.34138	0.23609	0.18541	1.61852	-1.29040
0.123 - 0.235	0.17805	0.23169	0.12320	0.13704	1.65655	-1.29040
0.011 - 0.123	0.06195	0.11793	0.01301	0.06261	1.58869	-1.29040
-0.100 - 0.011	-0.04268	0.01120	-0.09745	0.14007	1.46801	-1.29040
-0.212 - -0.100	-0.14932	-0.10096	-0.20743	-0.39439	1.36680	-1.29040
-0.324 - -0.212	-0.26901	-0.21669	-0.32254	-0.44054	1.26974	-1.29040
-0.436 - -0.324	-0.38279	-0.33237	-0.43537	-0.47320	1.63777	-1.29040
-0.548 - -0.436	-0.49771	-0.44197	-0.54599	-0.48906	0.91488	-1.29040
-0.659 - -0.548	-0.60847	-0.55264	-0.65337	-0.25127	1.77106	-1.29040
-0.771 - -0.659	-0.70131	-0.67070	-0.72123	-1.06732	-0.15603	-1.29040
-0.883 - -0.771	-0.81857	-0.77168	-0.87606	-0.52300	0.57270	-1.29040
-0.995 - -0.883	-0.93570	-0.88886	-0.99438	-0.62659	0.48660	-1.29040
-1.107 - -0.995	-1.07127	-1.03530	-1.10652	-1.25589	-1.15235	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ ( $\_fold\_ = 8$ ) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.049 - 1.168	1.11094	1.16810	1.05377	0.76813	1.12996	0.40630
0.930 - 1.049	0.95177	0.96508	0.94194	1.23909	1.49143	1.08384
0.811 - 0.930	0.82433	0.82433	0.82433	-0.69337	-0.69337	-0.69337
0.692 - 0.811	0.74022	0.80928	0.69654	0.69714	1.92987	-0.53830
0.574 - 0.692	0.63689	0.68451	0.57807	0.96449	1.80838	-0.18592
0.455 - 0.574	0.50500	0.57037	0.45555	0.33447	1.55764	-1.29040
0.336 - 0.455	0.37996	0.43037	0.33614	0.31485	1.82242	-1.29040
0.217 - 0.336	0.28438	0.32935	0.21741	0.40235	1.86701	-1.29040
0.098 - 0.217	0.15483	0.20954	0.10096	0.14653	1.56639	-1.29040
-0.021 - 0.098	0.03688	0.09617	-0.02099	-0.10300	1.46801	-1.29040
-0.140 - -0.021	-0.07262	-0.02366	-0.13615	0.12576	1.65655	-1.29040
-0.259 - -0.140	-0.19351	-0.14158	-0.25609	-0.09316	1.58869	-1.29040
-0.378 - -0.259	-0.31110	-0.26229	-0.37691	-0.44637	1.77106	-1.29040
-0.497 - -0.378	-0.43063	-0.38090	-0.48589	-0.58023	1.17083	-1.29040
-0.616 - -0.497	-0.55739	-0.50934	-0.61288	-0.52423	1.17083	-1.29040
-0.735 - -0.616	-0.67139	-0.61938	-0.70774	-0.69104	0.06635	-1.29040
-0.853 - -0.735	-0.82418	-0.79588	-0.85210	-0.44097	0.48660	-1.29040
-0.972 - -0.853	-0.89734	-0.86101	-0.94410	-1.22671	-1.03562	-1.29040
-1.091 - -0.972	-1.06018	-1.05632	-1.06404	-0.47426	0.34189	-1.29040
-1.210 - -1.091	-1.17182	-1.13341	-1.21023	-1.22138	-1.15235	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.600 - 1.745	1.74480	1.74480	1.74480	0.40630	0.40630	0.40630
1.164 - 1.309	1.25265	1.25862	1.24669	1.33937	1.54878	1.12996
1.018 - 1.164	1.06233	1.11312	1.02643	1.26116	1.55764	1.08384
0.873 - 1.018	0.90710	0.92654	0.87548	1.07033	1.33863	0.75001
0.728 - 0.873	0.80532	0.87266	0.73095	0.93207	1.92987	-0.93451
0.583 - 0.728	0.65157	0.71288	0.60555	0.30767	1.40177	-1.29040
0.437 - 0.583	0.50953	0.58259	0.43928	0.50726	1.86701	-1.29040
0.292 - 0.437	0.36325	0.43195	0.29580	0.26637	1.82242	-1.29040
0.147 - 0.292	0.22828	0.29064	0.14902	0.20409	1.61852	-1.29040
0.002 - 0.147	0.06736	0.14430	0.00529	-0.01912	1.58869	-1.29040
-0.144 - 0.002	-0.06959	0.00090	-0.14354	0.05576	1.84202	-1.29040
-0.289 - -0.144	-0.21382	-0.14539	-0.28119	-0.19497	1.53621	-1.29040
-0.434 - -0.289	-0.35820	-0.28971	-0.43410	-0.18626	1.77106	-1.29040
-0.579 - -0.434	-0.49172	-0.44033	-0.57912	-0.56082	1.02925	-1.29040
-0.725 - -0.579	-0.64486	-0.58382	-0.72179	-0.84150	1.17083	-1.29040
-0.870 - -0.725	-0.77681	-0.72695	-0.81762	-0.70198	-0.01343	-1.29040
-1.015 - -0.870	-0.94322	-0.87684	-0.99577	-0.72991	0.51841	-1.29040
-1.161 - -1.015	-1.06691	-1.01749	-1.16056	-0.81164	0.48660	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	$\wedge$ ( $\_fold\_ = 1$ )	336
2	$\wedge$ ( $\_fold\_ = 2$ )	347
3	$\wedge$ ( $\_fold\_ = 3$ )	335
4	$\wedge$ ( $\_fold\_ = 4$ )	356
5	$\wedge$ ( $\_fold\_ = 5$ )	338

Group Index	Group	Frequency Count
6	^(fold_=6)	342
7	^(fold_=7)	350
8	^(fold_=8)	347

## SAS Enterprise Miner Report

### Node=DMNeural Summary

Node id = DMNeural2  
 Node label = DMNeural  
 Meta path = Ids => Trans => Grp3 => DMNeural2  
 Notes =

### Node=DMNeural Properties

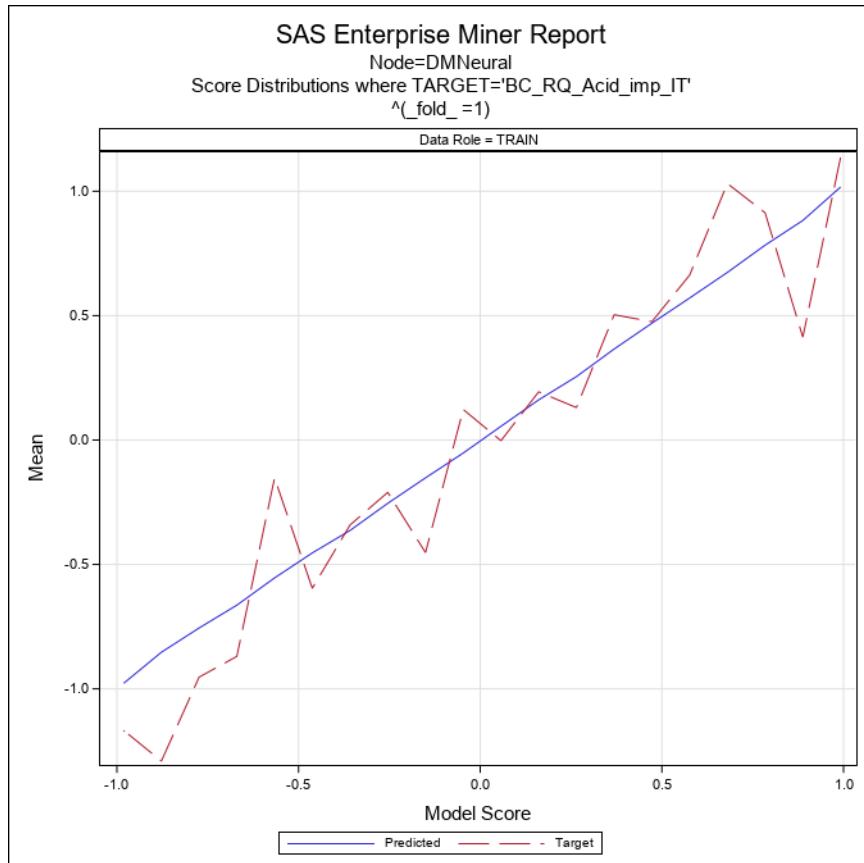
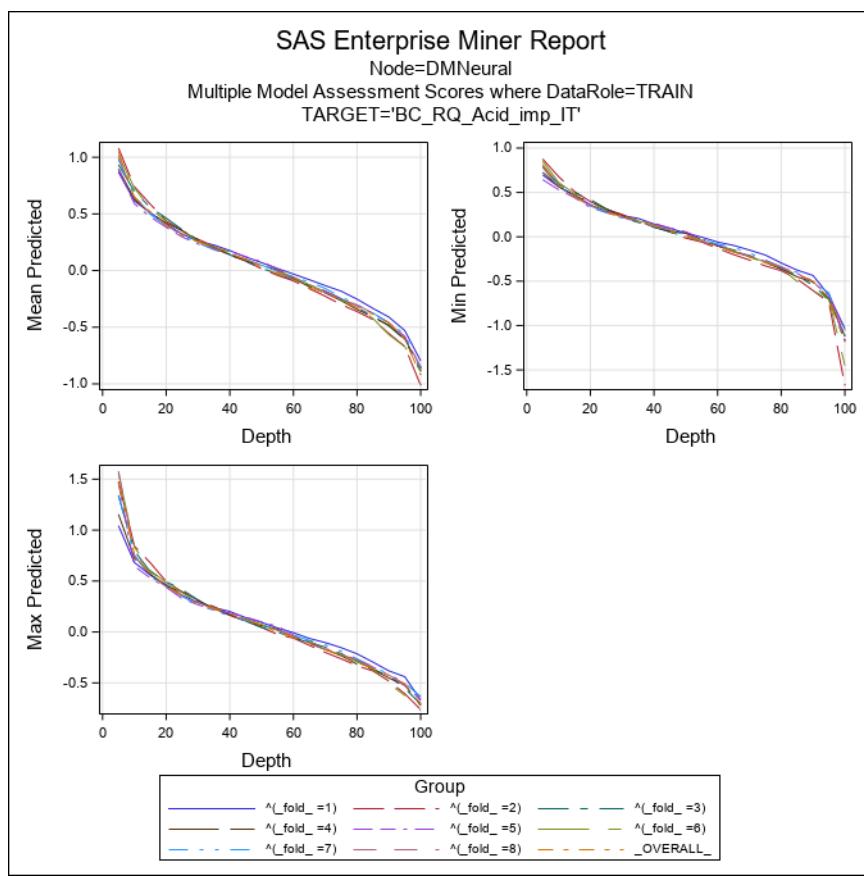
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DMNeural		MaxFunction	500		PrintCovMatrix	N	
AbsGconv	0.0005		MaxIteration	200		PrintOptimizationHistory	N	
BinaryCutoff	0.5		MaxStage	3		PrintOption	DEFAULT	
Gconv	1E-8		MemSize	8		ScoreVarSuffix		
MaxComponent	6	3	ModelSelectionCriterion	DEFAULT		StatusMonitor	N	
MaxEigenVectors	400		OptimizationCriterion	SSE		StopR2	0.00005	

### Node=DMNeural Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS health_anx_imp_IT IAS_illness_behav_imp_IT LSAtot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Train: Error Function	Train: Average Error Function
1	^(fold_=1)	BC_RQ_Acid_imp_IT	0.77072	353	2.18731	353	0.87790	272.063	272.063	0.77072
2	^(fold_=2)	BC_RQ_Acid_imp_IT	0.75726	330	2.21455	330	0.87021	249.896	249.896	0.75726
3	^(fold_=3)	BC_RQ_Acid_imp_IT	0.80204	357	2.18859	357	0.89557	286.329	286.329	0.80204
4	^(fold_=4)	BC_RQ_Acid_imp_IT	0.77065	351	1.93543	351	0.87787	270.500	270.500	0.77065
5	^(fold_=5)	BC_RQ_Acid_imp_IT	0.78538	341	2.01676	341	0.88622	267.814	267.814	0.78538
6	^(fold_=6)	BC_RQ_Acid_imp_IT	0.75862	345	1.90727	345	0.87099	261.724	261.724	0.75862
7	^(fold_=7)	BC_RQ_Acid_imp_IT	0.77036	355	2.01499	355	0.87770	273.479	273.479	0.77036
8	^(fold_=8)	BC_RQ_Acid_imp_IT	0.77461	338	2.24166	338	0.88012	261.819	261.819	0.77461
9	_OVERALL_	BC_RQ_Acid_imp_IT	0.81060	393	2.24166	393	0.90033	318.566	.	.

Train: Total Degrees of Freedom	Train: Degrees of Freedom for Error	Train: Mean Squared Error	Train: Root Mean Squared Error	Train: Number of Weights	Train: Final Prediction Error	Train: Root Final Prediction Error	Train: Akaike's Information Criterion	Train: Schwarz's Bayesian Criterion	Target Label
353	314	0.86644	0.93083	39	0.96217	0.98090	-13.9332	136.859	ReQuest (acid subscale) (Box-Cox transformed)
330	291	0.85875	0.92669	39	0.96024	0.97992	-13.7559	134.409	ReQuest (acid subscale) (Box-Cox transformed)
357	318	0.90041	0.94890	39	0.99877	0.99939	-0.7517	150.480	ReQuest (acid subscale) (Box-Cox transformed)
351	312	0.86699	0.93112	39	0.96332	0.98149	-13.4409	137.130	ReQuest (acid subscale) (Box-Cox transformed)
341	302	0.88680	0.94170	39	0.98822	0.99409	-4.3825	145.061	ReQuest (acid subscale) (Box-Cox transformed)
345	306	0.85531	0.92483	39	0.95199	0.97570	-17.3083	132.590	ReQuest (acid subscale) (Box-Cox transformed)
355	316	0.86544	0.93029	39	0.96052	0.98006	-14.6167	136.396	ReQuest (acid subscale) (Box-Cox transformed)
338	299	0.87565	0.93576	39	0.97668	0.98827	-8.3228	140.776	ReQuest (acid subscale) (Box-Cox transformed)
.	.	.	.	.	.	.	.	.	ReQuest (acid subscale) (Box-Cox transformed)

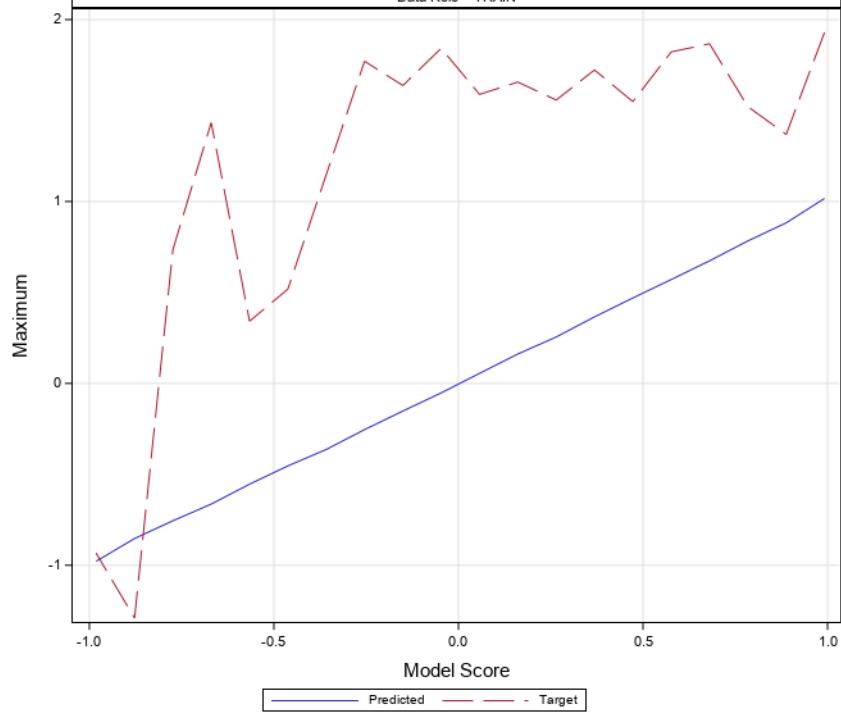


**SAS Enterprise Miner Report**

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

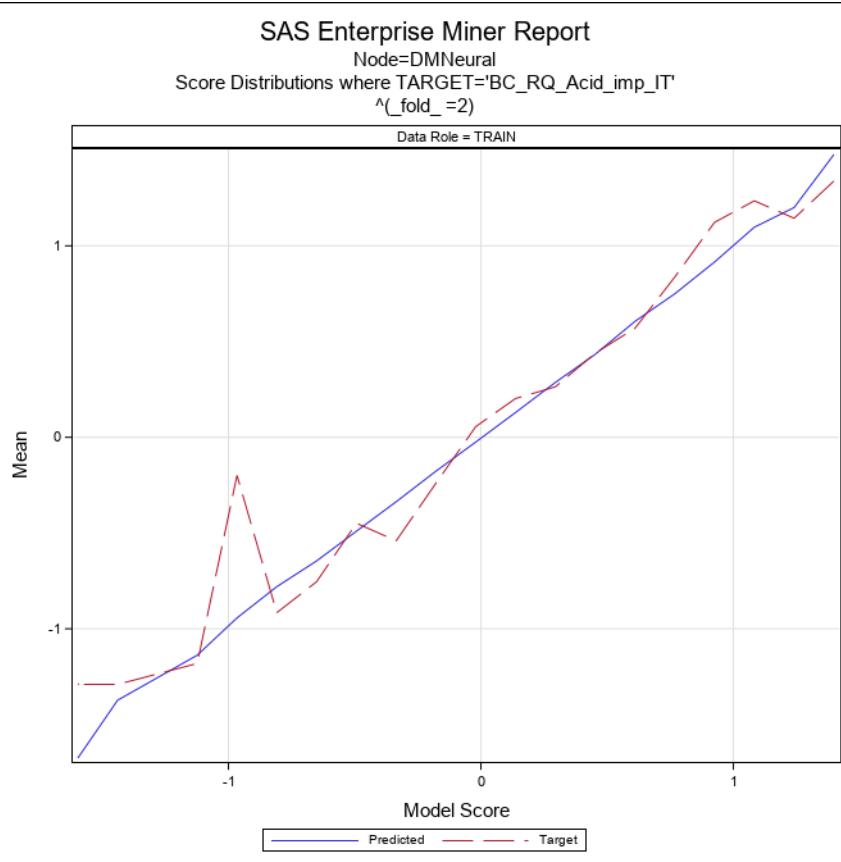
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

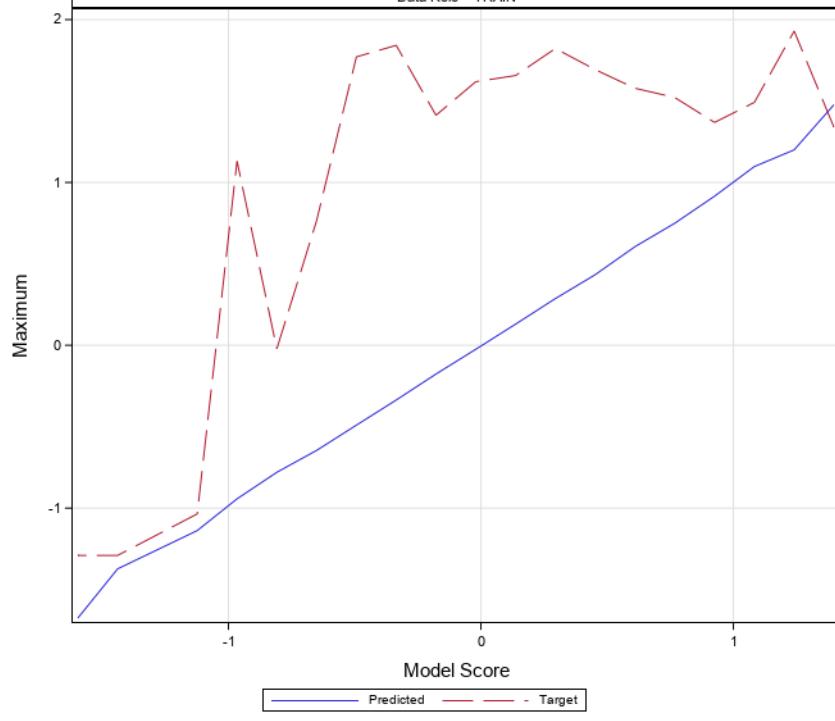


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

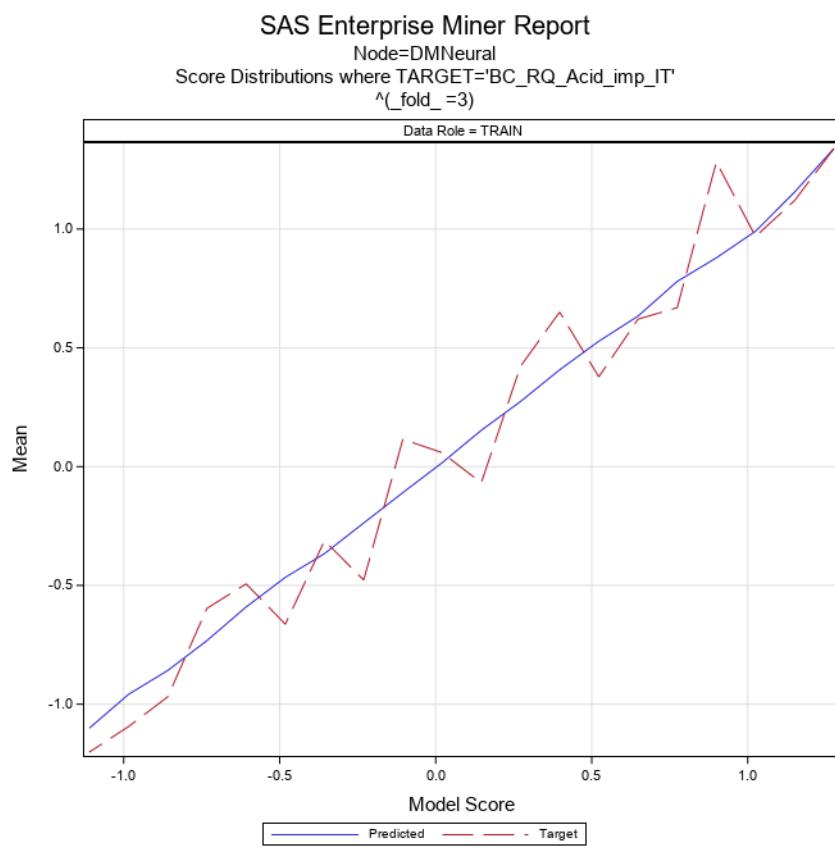


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

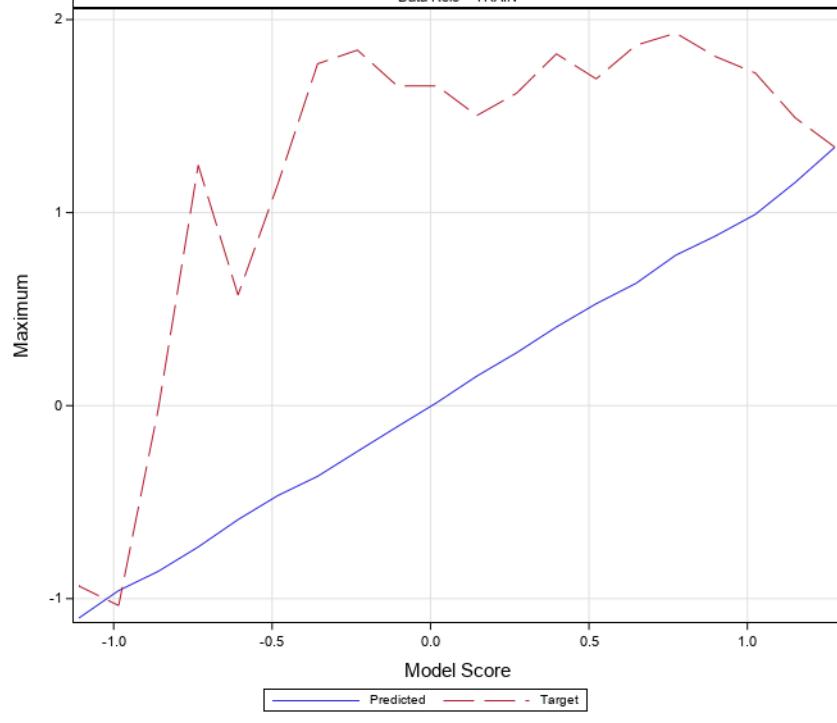


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

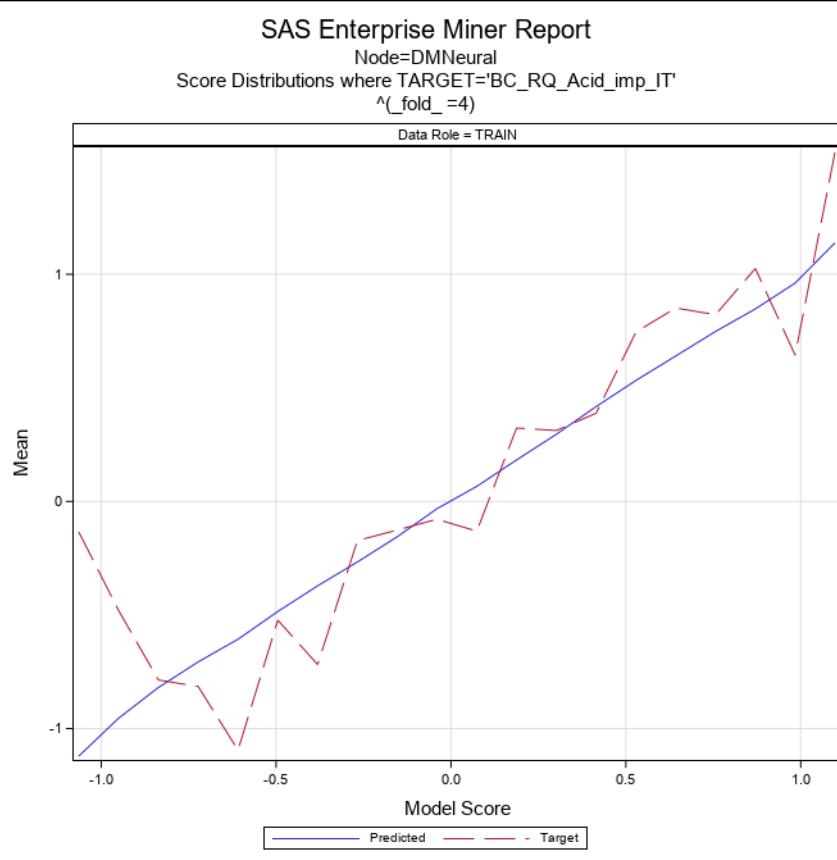


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

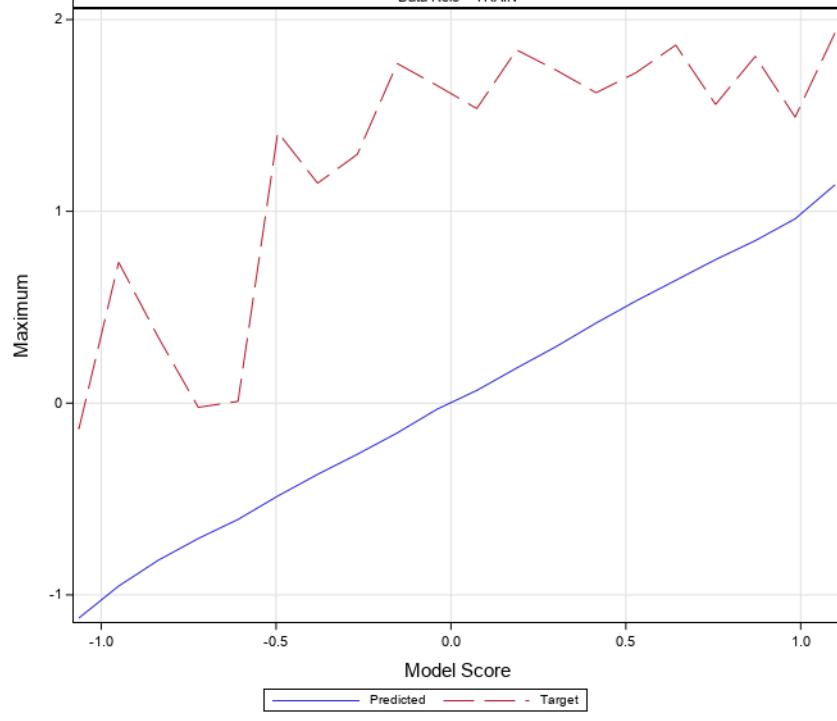


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

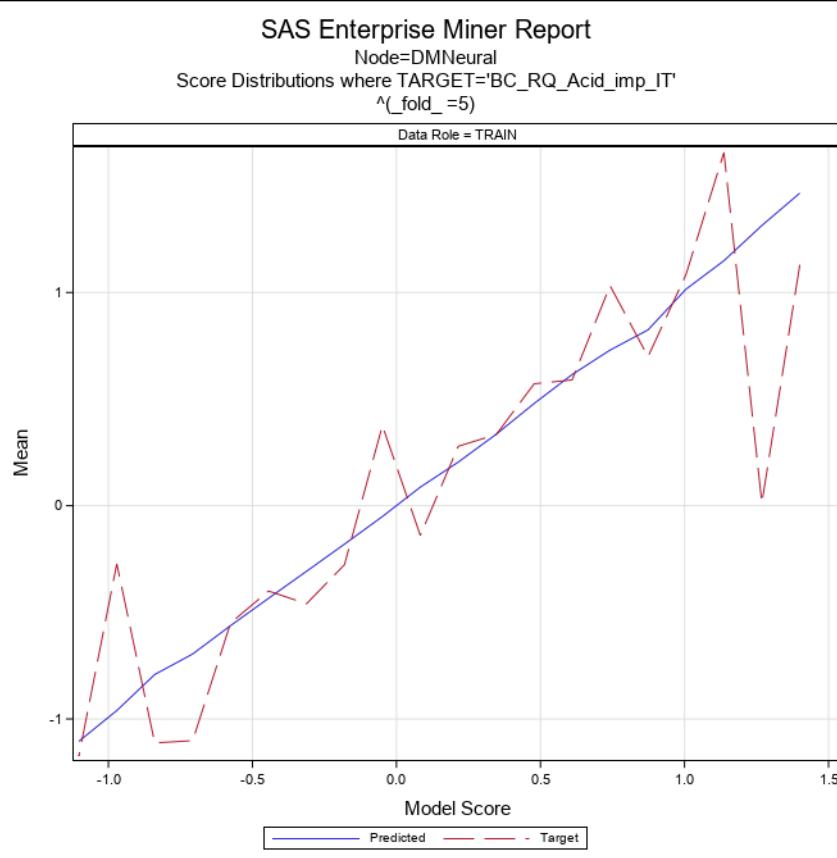


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

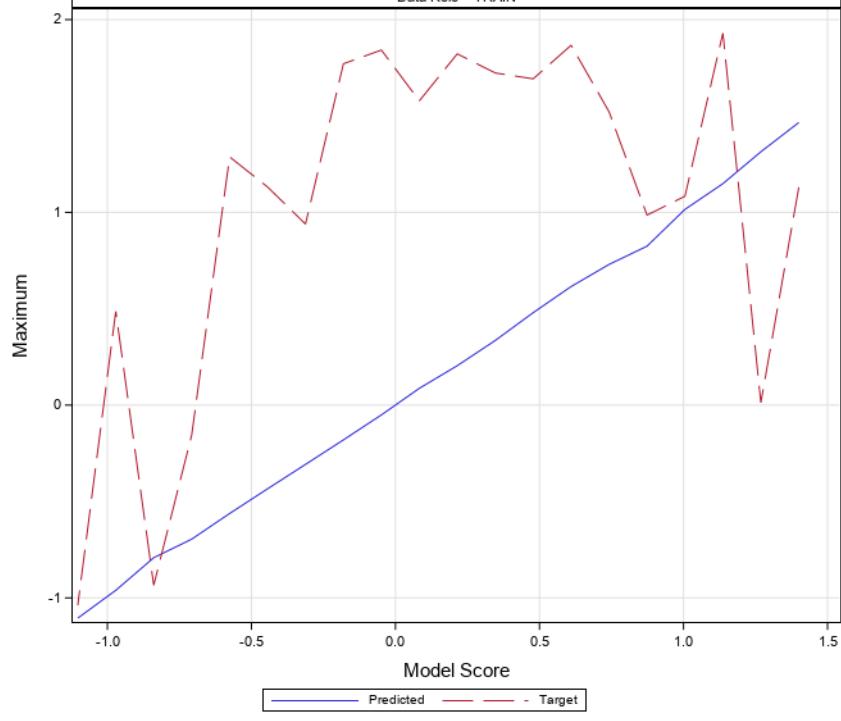


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

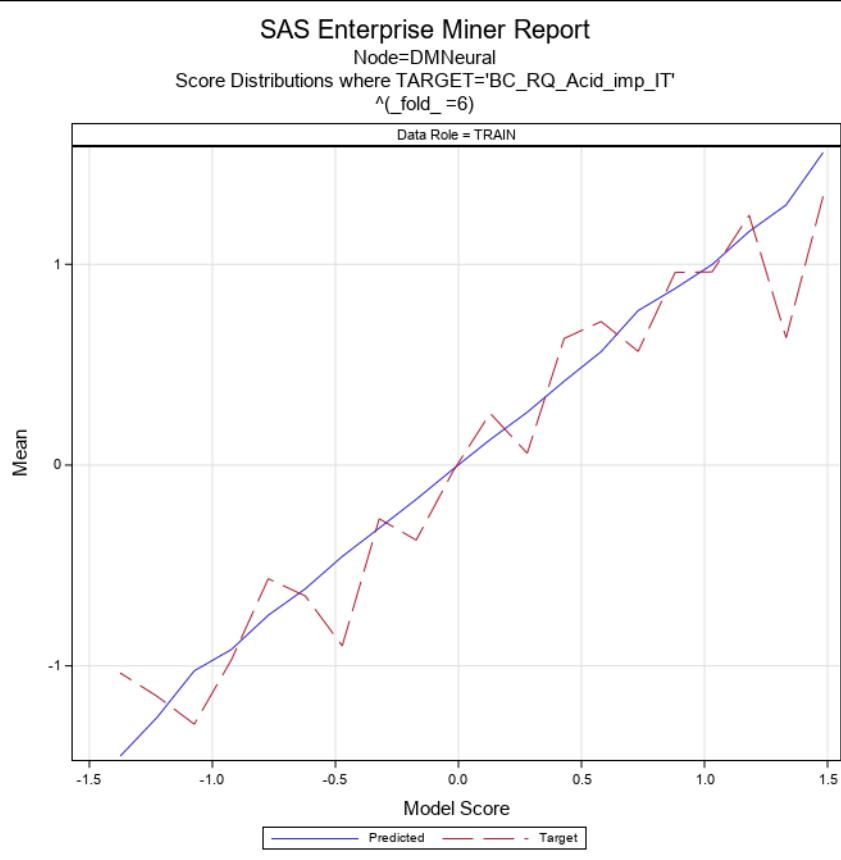


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

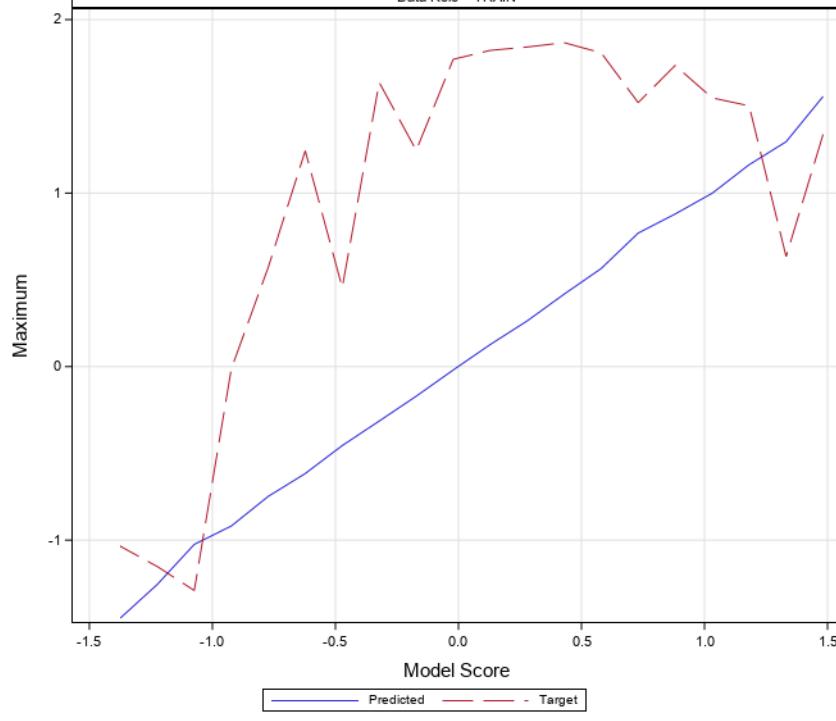


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

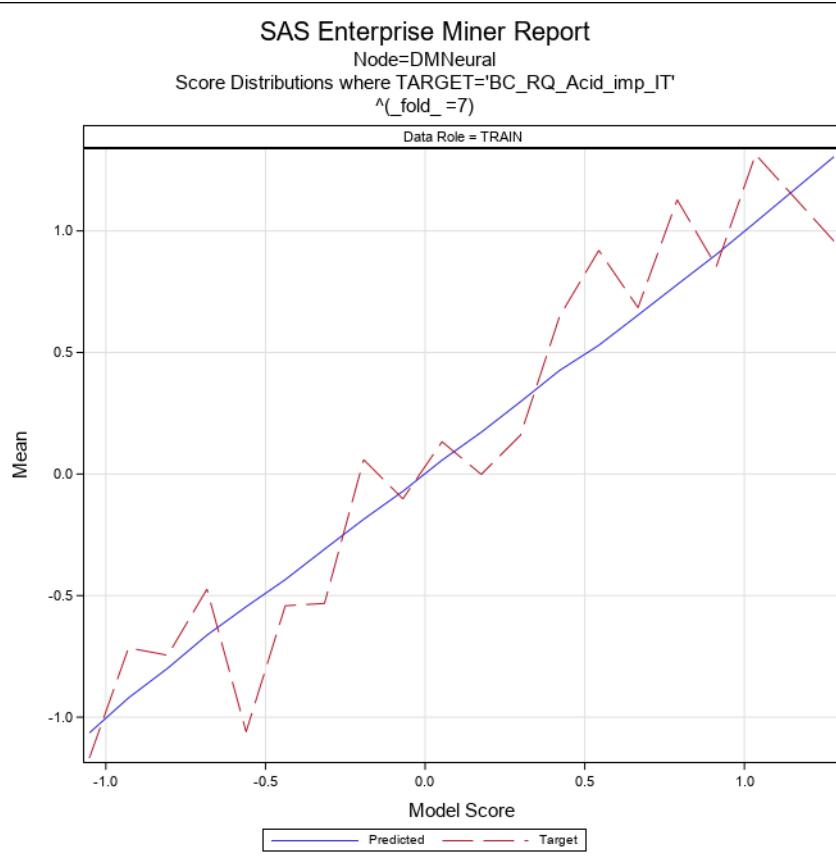


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

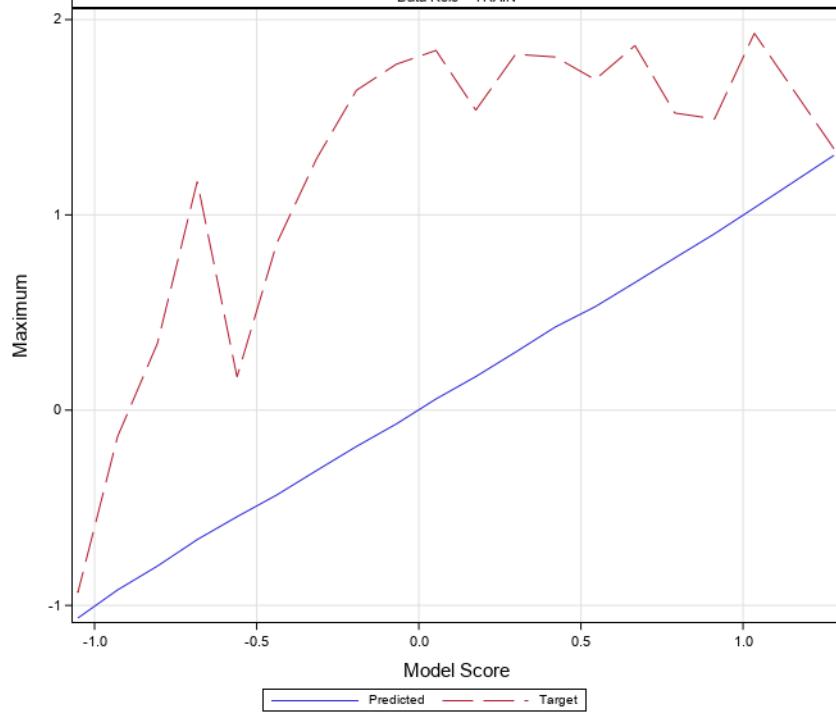


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

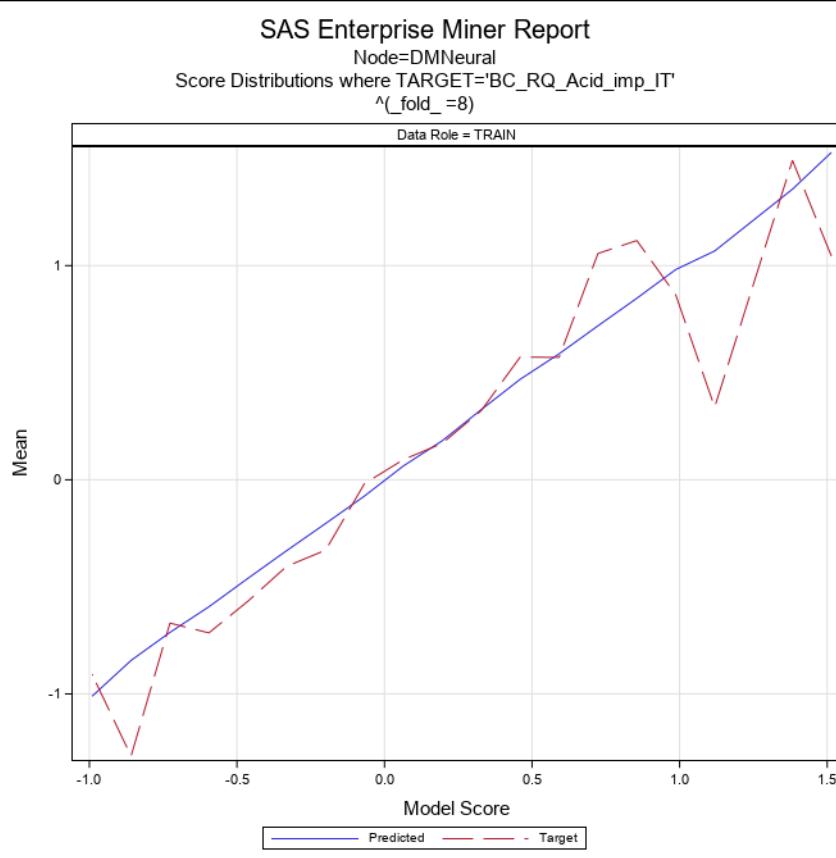


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

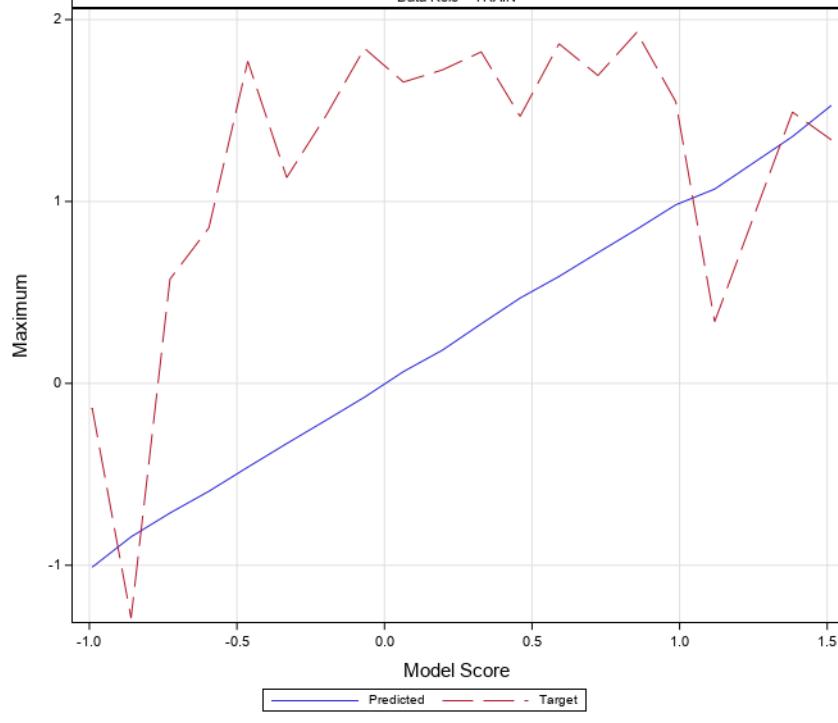


### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

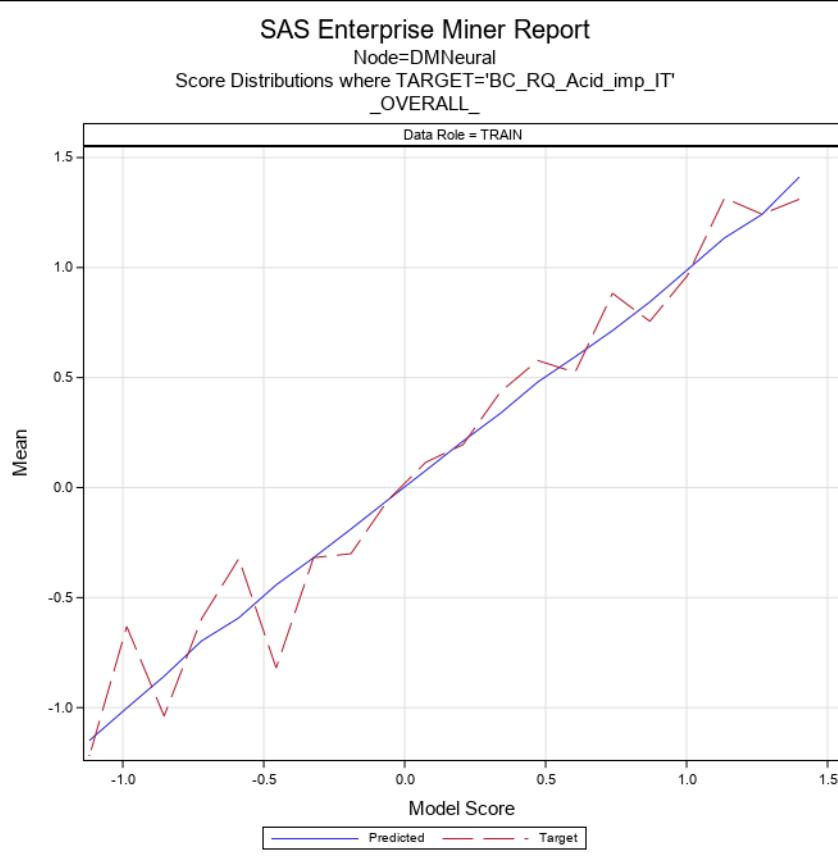


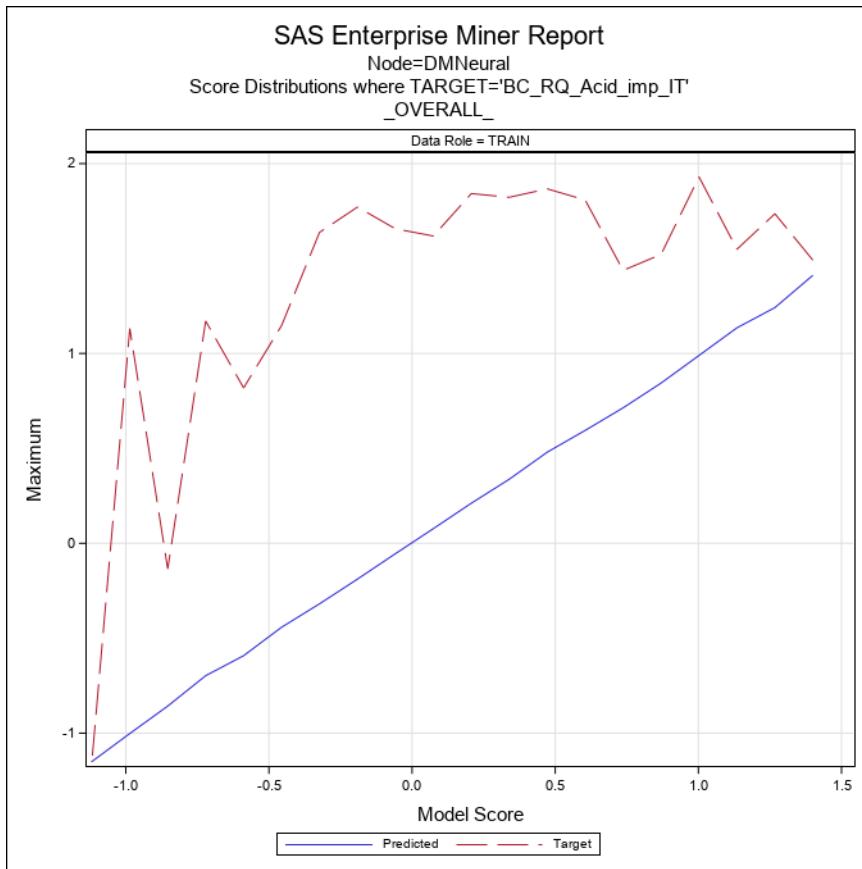
### SAS Enterprise Miner Report

Node=DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### Node=DMNeural Score Distributions

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.940 - 1.044	1.01677	1.04370	0.98890	1.13562	1.92987	0.33895
0.836 - 0.940	0.88244	0.90109	0.84932	0.41356	1.36860	-1.29040
0.732 - 0.836	0.78308	0.82816	0.75181	0.91339	1.52157	-0.69337
0.628 - 0.732	0.67360	0.72184	0.63625	1.03090	1.86701	0.12270
0.524 - 0.628	0.57083	0.60699	0.53087	0.66269	1.82242	-1.29040
0.421 - 0.524	0.46954	0.50782	0.42065	0.47574	1.54878	-1.29040
0.317 - 0.421	0.36577	0.41944	0.31799	0.50358	1.72308	-1.29040
0.213 - 0.317	0.25482	0.31544	0.21543	0.13032	1.55764	-1.29040
0.109 - 0.213	0.16155	0.21224	0.10930	0.19378	1.65655	-1.29040
0.005 - 0.109	0.05502	0.10720	0.00545	-0.00267	1.58869	-1.29040
-0.099 - 0.005	-0.05232	0.00281	-0.09669	0.12275	1.84202	-1.29040
-0.203 - -0.099	-0.15210	-0.10418	-0.19538	-0.45247	1.63777	-1.29040
-0.306 - -0.203	-0.25438	-0.20311	-0.30496	-0.21028	1.77106	-1.29040
-0.410 - -0.306	-0.36342	-0.31003	-0.40694	-0.34152	1.14698	-1.29040
-0.514 - -0.410	-0.45380	-0.41660	-0.51204	-0.59596	0.51841	-1.29040
-0.618 - -0.514	-0.55420	-0.52080	-0.57301	-0.15232	0.34189	-0.68686
-0.722 - -0.618	-0.66377	-0.62206	-0.69073	-0.86966	1.43354	-1.29040
-0.826 - -0.722	-0.75547	-0.72727	-0.80412	-0.95292	0.73451	-1.29040
-0.929 - -0.826	-0.85302	-0.85259	-0.85345	-1.29040	-1.29040	-1.29040
-1.033 - -0.929	-0.97798	-0.93804	-1.03334	-1.16692	-0.93451	-1.29040

### Node=DMNeural Score Distributions

Group=\_fold\_ =2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.319 - 1.477	1.47712	1.47712	1.47712	1.33863	1.33863	1.33863
1.162 - 1.319	1.20001	1.21994	1.16340	1.14409	1.92987	0.33895
1.004 - 1.162	1.09735	1.14732	1.01777	1.23508	1.49143	1.08384
0.847 - 1.004	0.91550	0.95281	0.87787	1.12279	1.36860	0.80905
0.689 - 0.847	0.74938	0.84363	0.69128	0.83677	1.52157	-1.29040
0.531 - 0.689	0.60547	0.67955	0.53257	0.56933	1.57848	-1.29040
0.374 - 0.531	0.43331	0.51129	0.37469	0.43901	1.69276	-1.29040
0.216 - 0.374	0.28670	0.37109	0.21743	0.26365	1.82242	-1.29040
0.058 - 0.216	0.12969	0.20947	0.06018	0.20259	1.65655	-1.29040
-0.099 - 0.058	-0.02463	0.05747	-0.08441	0.05591	1.61852	-1.29040
-0.257 - -0.099	-0.17667	-0.10528	-0.25457	-0.23929	1.41251	-1.29040
-0.414 - -0.257	-0.33638	-0.25731	-0.41358	-0.54059	1.84202	-1.29040
-0.572 - -0.414	-0.49052	-0.42085	-0.55178	-0.44871	1.77106	-1.29040
-0.730 - -0.572	-0.64570	-0.58595	-0.72706	-0.75434	0.76521	-1.29040
-0.887 - -0.730	-0.78012	-0.74064	-0.83514	-0.91599	-0.02189	-1.29040
-1.045 - -0.887	-0.94319	-0.88803	-1.01330	-0.19895	1.13168	-1.29040
-1.203 - -1.045	-1.13810	-1.04739	-1.18481	-1.18142	-1.03562	-1.29040
-1.518 - -1.360	-1.37309	-1.37309	-1.37309	-1.29040	-1.29040	-1.29040
-1.675 - -1.518	-1.67538	-1.67538	-1.67538	-1.29040	-1.29040	-1.29040

## Node=DMNeural Score Distributions

Group=\_fold\_ =3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.214 - 1.339	1.33911	1.33911	1.33911	1.33863	1.33863	1.33863
1.088 - 1.214	1.15639	1.19729	1.11549	1.12072	1.49143	0.75001
0.962 - 1.088	0.99106	1.01993	0.97260	0.96859	1.72308	-0.18592
0.837 - 0.962	0.87893	0.92852	0.85105	1.28199	1.80838	0.36155
0.711 - 0.837	0.77947	0.83043	0.72088	0.66913	1.92987	-0.93451
0.586 - 0.711	0.63350	0.69285	0.58683	0.62060	1.86701	-0.84532
0.460 - 0.586	0.52785	0.58371	0.46880	0.37783	1.69276	-1.29040
0.334 - 0.460	0.40739	0.45817	0.33906	0.65060	1.82242	-1.29040
0.209 - 0.334	0.27396	0.32756	0.21637	0.42202	1.61852	-1.29040
0.083 - 0.209	0.15281	0.20860	0.09431	-0.06810	1.50288	-1.29040
-0.042 - 0.083	0.01622	0.08275	-0.04012	0.05891	1.65655	-1.29040
-0.168 - -0.042	-0.10933	-0.04372	-0.16730	0.11516	1.65655	-1.29040
-0.294 - -0.168	-0.23717	-0.17031	-0.29241	-0.47731	1.84202	-1.29040
-0.419 - -0.294	-0.36623	-0.30038	-0.41753	-0.31197	1.77106	-1.29040
-0.545 - -0.419	-0.46605	-0.42281	-0.52765	-0.66340	1.14698	-1.29040
-0.670 - -0.545	-0.59061	-0.54882	-0.66180	-0.49338	0.57270	-1.29040
-0.796 - -0.670	-0.73216	-0.69612	-0.78261	-0.59628	1.24620	-1.29040
-0.922 - -0.796	-0.85808	-0.80928	-0.90859	-0.96884	-0.01343	-1.29040
-1.047 - -0.922	-0.95828	-0.92534	-0.99122	-1.09398	-1.03562	-1.15235
-1.173 - -1.047	-1.10069	-1.05403	-1.17278	-1.20143	-0.93451	-1.29040

## Node=DMNeural Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.041 - 1.155	1.13815	1.15468	1.11670	1.53620	1.92987	1.12996
0.927 - 1.041	0.96134	0.98806	0.94777	0.64420	1.49143	0.31751
0.813 - 0.927	0.84749	0.89511	0.81607	1.02550	1.80838	0.12270
0.700 - 0.813	0.74835	0.77868	0.72219	0.82224	1.55764	0.06961
0.586 - 0.700	0.64050	0.69312	0.58606	0.85161	1.86701	-1.21823
0.472 - 0.586	0.53265	0.58087	0.47800	0.74594	1.72308	-1.29040
0.358 - 0.472	0.41781	0.46639	0.37067	0.38845	1.61852	-1.29040
0.244 - 0.358	0.29570	0.35402	0.24577	0.31251	1.73571	-1.29040
0.131 - 0.244	0.18276	0.24228	0.13244	0.32307	1.84202	-1.29040
0.017 - 0.131	0.06626	0.12227	0.01724	-0.13071	1.53621	-1.29040
-0.097 - 0.017	-0.03188	0.01574	-0.09658	-0.07838	1.65655	-1.29040
-0.211 - -0.097	-0.15556	-0.09830	-0.20447	-0.12594	1.77106	-1.29040
-0.324 - -0.211	-0.26646	-0.21297	-0.32231	-0.17233	1.29756	-1.29040
-0.438 - -0.324	-0.37158	-0.32919	-0.43532	-0.71784	1.14698	-1.29040
-0.552 - -0.438	-0.48441	-0.44123	-0.55170	-0.52280	1.41251	-1.29040
-0.666 - -0.552	-0.60651	-0.55223	-0.66202	-1.09478	0.00927	-1.29040
-0.780 - -0.666	-0.70624	-0.67837	-0.73239	-0.81498	-0.02189	-1.29040
-0.893 - -0.780	-0.81890	-0.78167	-0.85139	-0.78591	0.34189	-1.29040
-1.007 - -0.893	-0.95403	-0.91171	-0.99718	-0.48034	0.73451	-1.29040
-1.121 - -1.007	-1.12093	-1.12093	-1.12093	-0.13485	-0.13485	-0.13485

## Node=DMNeural Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.334 - 1.466	1.46606	1.46606	1.46606	1.12996	1.12996	1.12996
1.203 - 1.334	1.31413	1.31413	1.31413	0.01250	0.01250	0.01250
1.071 - 1.203	1.14897	1.19330	1.12214	1.65669	1.92987	1.49143
0.939 - 1.071	1.01541	1.01541	1.01541	1.08384	1.08384	1.08384
0.807 - 0.939	0.82463	0.83295	0.81671	0.69904	0.98555	0.36155
0.676 - 0.807	0.72985	0.79071	0.69390	1.03175	1.52157	0.33895
0.544 - 0.676	0.61517	0.66518	0.56663	0.58987	1.86701	-1.03562
0.412 - 0.544	0.47960	0.53731	0.43707	0.57197	1.69276	-1.29040
0.281 - 0.412	0.33535	0.40861	0.28120	0.33401	1.72308	-1.29040
0.149 - 0.281	0.20467	0.27882	0.15283	0.27883	1.82242	-1.29040
0.017 - 0.149	0.08724	0.14613	0.01722	-0.13915	1.57848	-1.29040
-0.115 - 0.017	-0.05073	0.01283	-0.10987	0.37570	1.84202	-1.29040
-0.246 - -0.115	-0.18026	-0.11508	-0.24570	-0.27689	1.77106	-1.29040
-0.378 - -0.246	-0.30751	-0.24929	-0.37454	-0.45975	0.93917	-1.29040
-0.510 - -0.378	-0.43411	-0.37915	-0.50705	-0.40014	1.13168	-1.29040
-0.642 - -0.510	-0.56223	-0.51309	-0.61964	-0.54977	1.28782	-1.29040
-0.773 - -0.642	-0.69542	-0.64288	-0.76066	-1.10173	-0.15603	-1.29040
-0.905 - -0.773	-0.79158	-0.79094	-0.79222	-1.11246	-0.93451	-1.29040
-1.037 - -0.905	-0.96073	-0.95249	-0.96979	-0.27241	0.48660	-1.29040
-1.168 - -1.037	-1.10474	-1.03808	-1.16848	-1.17415	-1.03562	-1.29040

## Node=DMNeural Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.407 - 1.557	1.55716	1.55716	1.55716	1.33863	1.33863	1.33863
1.257 - 1.407	1.29602	1.29602	1.29602	0.63414	0.63414	0.63414
1.106 - 1.257	1.16349	1.20570	1.12129	1.24421	1.50288	0.98555
0.956 - 1.106	0.99898	1.02707	0.96721	0.96249	1.54878	0.18307
0.806 - 0.956	0.87955	0.91507	0.83470	0.95969	1.73571	-0.93451
0.655 - 0.806	0.76953	0.80424	0.68010	0.56651	1.52157	-0.84532
0.505 - 0.655	0.56522	0.63710	0.50751	0.71512	1.80838	-1.03562
0.355 - 0.505	0.41778	0.48568	0.35457	0.63083	1.86701	-1.29040
0.204 - 0.355	0.26333	0.34656	0.20441	0.05893	1.84202	-1.29040
0.054 - 0.204	0.12713	0.20366	0.05541	0.25801	1.82242	-1.29040
-0.096 - 0.054	-0.01954	0.05272	-0.09382	-0.02937	1.77106	-1.29040
-0.247 - -0.096	-0.17057	-0.10533	-0.24282	-0.37350	1.24620	-1.29040
-0.397 - -0.247	-0.31364	-0.24778	-0.39531	-0.26745	1.63777	-1.29040
-0.547 - -0.397	-0.45515	-0.39771	-0.53957	-0.90047	0.45515	-1.29040
-0.698 - -0.547	-0.61629	-0.55766	-0.69657	-0.65157	1.24406	-1.29040
-0.848 - -0.698	-0.74787	-0.69818	-0.82401	-0.56603	0.57270	-1.29040
-0.998 - -0.848	-0.91891	-0.86388	-0.95929	-0.97116	-0.01343	-1.29040
-1.149 - -0.998	-1.02461	-1.02461	-1.02461	-1.29040	-1.29040	-1.29040
-1.299 - -1.149	-1.25538	-1.25538	-1.25538	-1.15235	-1.15235	-1.15235
-1.449 - -1.299	-1.44937	-1.44937	-1.44937	-1.03562	-1.03562	-1.03562

## Node=DMNeural Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.219 - 1.342	1.30498	1.34175	1.25461	0.95830	1.33863	0.40630
0.974 - 1.096	1.03605	1.04809	1.01646	1.31430	1.92987	0.61604
0.851 - 0.974	0.90324	0.94888	0.85151	0.85404	1.49143	-0.53830
0.728 - 0.851	0.77901	0.82885	0.73341	1.12788	1.52157	0.24534
0.605 - 0.728	0.65361	0.72459	0.61473	0.68445	1.86701	-1.29040
0.483 - 0.605	0.52962	0.60337	0.48937	0.91980	1.69276	0.08931
0.360 - 0.483	0.42609	0.46780	0.36643	0.64884	1.80838	-1.21823
0.237 - 0.360	0.29722	0.35672	0.24092	0.15969	1.82242	-1.29040
0.114 - 0.237	0.17186	0.23700	0.11581	-0.00153	1.53621	-1.29040
-0.008 - 0.114	0.05709	0.11428	-0.00353	0.13283	1.84202	-1.29040
-0.131 - -0.008	-0.07106	-0.01111	-0.13090	-0.10207	1.77106	-1.29040
-0.254 - -0.131	-0.18603	-0.13417	-0.24462	0.05901	1.63777	-1.29040
-0.377 - -0.254	-0.30920	-0.25386	-0.37492	-0.53213	1.28782	-1.29040
-0.499 - -0.377	-0.43418	-0.37984	-0.49775	-0.54174	0.85495	-1.29040
-0.622 - -0.499	-0.54587	-0.49985	-0.60921	-1.06048	0.17012	-1.29040
-0.745 - -0.622	-0.66279	-0.62652	-0.74195	-0.47368	1.17083	-1.29040
-0.867 - -0.745	-0.79852	-0.76484	-0.83034	-0.74545	0.34189	-1.29040
-0.990 - -0.867	-0.92050	-0.86828	-0.97651	-0.71488	-0.13485	-1.29040
-1.113 - -0.990	-1.06484	-1.01624	-1.11296	-1.16827	-0.93451	-1.29040

## Node=DMNeural Score Distributions

Group= $\wedge$ fold\_ =8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.448 - 1.580	1.52830	1.58009	1.47651	1.04432	1.33863	0.75001
1.316 - 1.448	1.35692	1.35692	1.35692	1.49143	1.49143	1.49143
1.053 - 1.185	1.06823	1.06823	1.06823	0.33895	0.33895	0.33895
0.921 - 1.053	0.98159	0.99293	0.96932	0.86320	1.54878	0.16562
0.789 - 0.921	0.84759	0.91624	0.79467	1.11697	1.92987	-0.93451
0.657 - 0.789	0.71878	0.78735	0.66740	1.05651	1.69276	-0.24068
0.525 - 0.657	0.58783	0.63633	0.53277	0.57132	1.86701	-1.21823
0.394 - 0.525	0.46898	0.52267	0.39790	0.57269	1.46801	-1.29040
0.262 - 0.394	0.32728	0.39025	0.26240	0.32285	1.82242	-1.29040
0.130 - 0.262	0.18230	0.25268	0.13239	0.17023	1.72308	-1.29040
-0.002 - 0.130	0.06454	0.12894	0.00050	0.09391	1.65655	-1.29040
-0.134 - -0.002	-0.07595	-0.01080	-0.13241	-0.01792	1.84202	-1.29040
-0.265 - -0.134	-0.20431	-0.13523	-0.26373	-0.32890	1.46801	-1.29040
-0.397 - -0.265	-0.33101	-0.26878	-0.39313	-0.40409	1.13168	-1.29040
-0.529 - -0.397	-0.46084	-0.40094	-0.52305	-0.56783	1.77106	-1.29040
-0.661 - -0.529	-0.59320	-0.53068	-0.65885	-0.71501	0.85495	-1.29040
-0.793 - -0.661	-0.71273	-0.68463	-0.73751	-0.66946	0.57270	-1.29040
-0.925 - -0.793	-0.84377	-0.81682	-0.89922	-1.29040	-1.29040	-1.29040
-1.056 - -0.925	-1.01085	-0.93042	-1.05644	-0.90955	-0.13485	-1.29040

## Node=DMNeural Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.334 - 1.466	1.41149	1.46606	1.35692	1.31070	1.49143	1.12996
1.201 - 1.334	1.24150	1.31857	1.20870	1.24273	1.73571	0.33895
1.068 - 1.201	1.13500	1.14305	1.12695	1.31631	1.54878	1.08384
0.936 - 1.068	0.98938	1.03172	0.94888	0.96242	1.92987	0.16562
0.803 - 0.936	0.84394	0.88850	0.81827	0.75586	1.52157	-0.24068
0.671 - 0.803	0.71355	0.75830	0.68126	0.88301	1.43759	0.25719
0.538 - 0.671	0.59464	0.66684	0.55144	0.52371	1.80838	-1.09174
0.406 - 0.538	0.47986	0.53241	0.41432	0.57780	1.86701	-1.29040
0.273 - 0.406	0.33745	0.40339	0.28297	0.43480	1.82242	-1.29040
0.141 - 0.273	0.21115	0.27215	0.14078	0.19515	1.84202	-1.29040
0.008 - 0.141	0.07730	0.13780	0.00900	0.11472	1.61852	-1.29040
-0.124 - 0.008	-0.05467	0.00785	-0.12377	-0.05519	1.65655	-1.29040
-0.257 - -0.124	-0.18863	-0.13153	-0.24462	-0.30042	1.77106	-1.29040
-0.390 - -0.257	-0.31873	-0.25731	-0.37624	-0.31842	1.63777	-1.29040
-0.522 - -0.390	-0.44218	-0.39344	-0.51028	-0.81982	1.14698	-1.29040
-0.655 - -0.522	-0.59194	-0.52368	-0.65219	-0.32316	0.81845	-1.29040
-0.787 - -0.655	-0.69733	-0.65529	-0.77026	-0.59728	1.17083	-1.29040
-0.920 - -0.787	-0.85735	-0.79778	-0.91671	-1.03850	-0.13485	-1.29040
-1.052 - -0.920	-1.00200	-0.95992	-1.03966	-0.63143	1.13168	-1.29040
-1.185 - -1.052	-1.14975	-1.09679	-1.18481	-1.22033	-1.15235	-1.29040

## Node=DMNeural Summary

Group Index	Group	Frequency Count
1	$\wedge$ fold_ =1)	347
2	$\wedge$ fold_ =2)	352
3	$\wedge$ fold_ =3)	325
4	$\wedge$ fold_ =4)	356

Group Index	Group	Frequency Count
5	^(fold_=5)	345
6	^(fold_=6)	343
7	^(fold_=7)	346
8	^(fold_=8)	337

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp3  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp3 => DMNeural2 => EndGrp3  
 Notes =

### Node=End Groups Properties

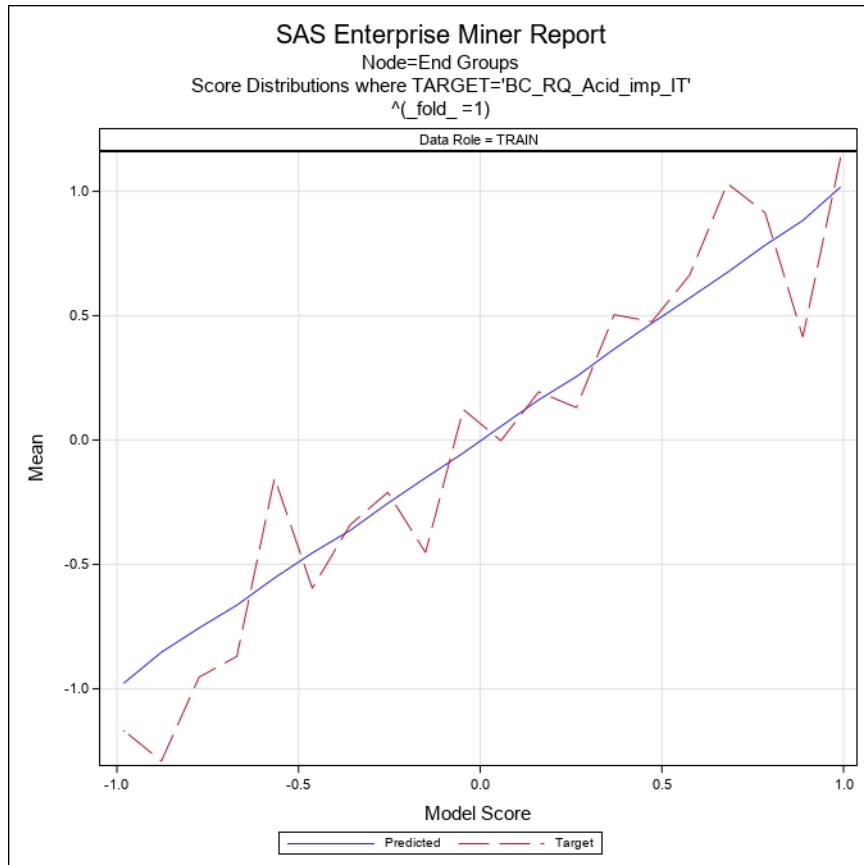
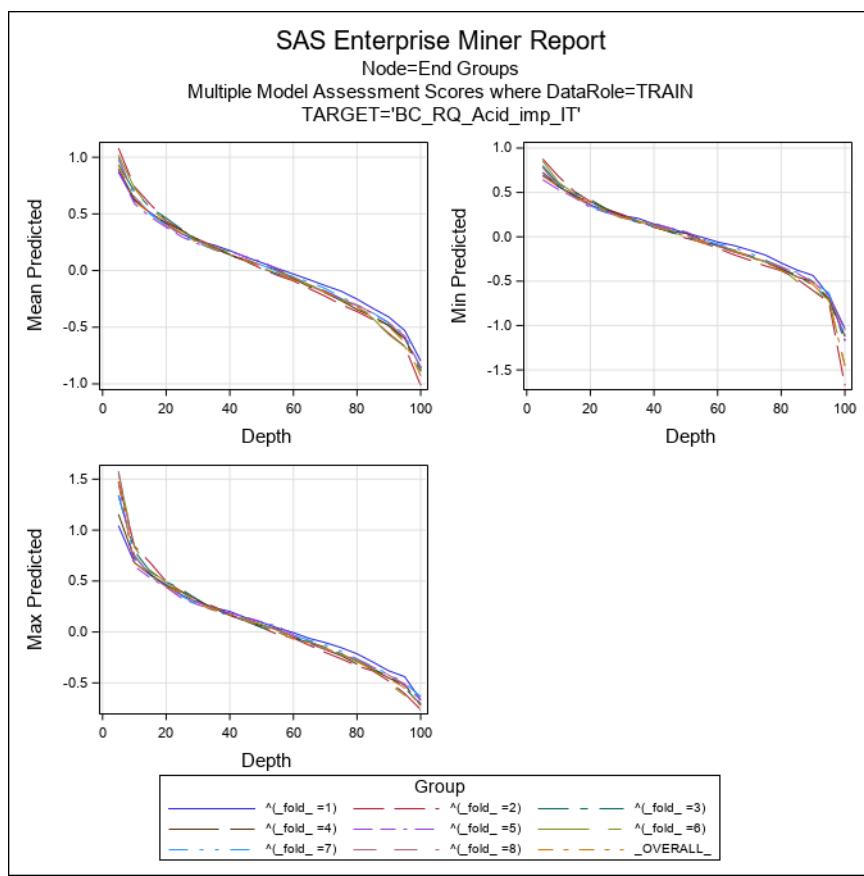
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

### Node=End Groups Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSASTot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Train: Error Function
1	^(fold_=1)	DMNeural2	BC_RQ_Acid_imp_IT	0.77072	353	2.18731	353	0.87790	272.063	272.063
2	^(fold_=2)	DMNeural2	BC_RQ_Acid_imp_IT	0.75726	330	2.21455	330	0.87021	249.896	249.896
3	^(fold_=3)	DMNeural2	BC_RQ_Acid_imp_IT	0.80204	357	2.18859	357	0.89557	286.329	286.329
4	^(fold_=4)	DMNeural2	BC_RQ_Acid_imp_IT	0.77065	351	1.93543	351	0.87787	270.500	270.500
5	^(fold_=5)	DMNeural2	BC_RQ_Acid_imp_IT	0.78538	341	2.01676	341	0.88622	267.814	267.814
6	^(fold_=6)	DMNeural2	BC_RQ_Acid_imp_IT	0.75862	345	1.90727	345	0.87099	261.724	261.724
7	^(fold_=7)	DMNeural2	BC_RQ_Acid_imp_IT	0.77036	355	2.01499	355	0.87770	273.479	273.479
8	^(fold_=8)	DMNeural2	BC_RQ_Acid_imp_IT	0.77461	338	2.24166	338	0.88012	261.819	261.819
9	_OVERALL_		BC_RQ_Acid_imp_IT	0.80727	393	2.67707	393	0.89848	317.257	.

Train: Average Error Function	Train: Total Degrees of Freedom	Train: Degrees of Freedom for Error	Train: Mean Squared Error	Train: Root Mean Squared Error	Train: Number of Weights	Train: Final Prediction Error	Train: Root Final Prediction Error	Train: Akaike's Information Criterion	Train: Schwarz's Bayesian Criterion	Target Label
0.77072	353	314	0.86644	0.93083	39	0.96217	0.98090	-13.9332	136.859	ReQuest (acid subscale) (Box-Cox transformed)
0.75726	330	291	0.85875	0.92669	39	0.96024	0.97992	-13.7559	134.409	ReQuest (acid subscale) (Box-Cox transformed)
0.80204	357	318	0.90041	0.94890	39	0.99877	0.99939	-0.7517	150.480	ReQuest (acid subscale) (Box-Cox transformed)
0.77065	351	312	0.86699	0.93112	39	0.96332	0.98149	-13.4409	137.130	ReQuest (acid subscale) (Box-Cox transformed)
0.78538	341	302	0.88680	0.94170	39	0.98822	0.99409	-4.3825	145.061	ReQuest (acid subscale) (Box-Cox transformed)
0.75862	345	306	0.85531	0.92483	39	0.95199	0.97570	-17.3083	132.590	ReQuest (acid subscale) (Box-Cox transformed)
0.77036	355	316	0.86544	0.93029	39	0.96052	0.98006	-14.6167	136.396	ReQuest (acid subscale) (Box-Cox transformed)
0.77461	338	299	0.87565	0.93576	39	0.97668	0.98827	-8.3228	140.776	ReQuest (acid subscale) (Box-Cox transformed)
.	.	.	.	.	.	.	.	.	.	ReQuest (acid subscale) (Box-Cox transformed)

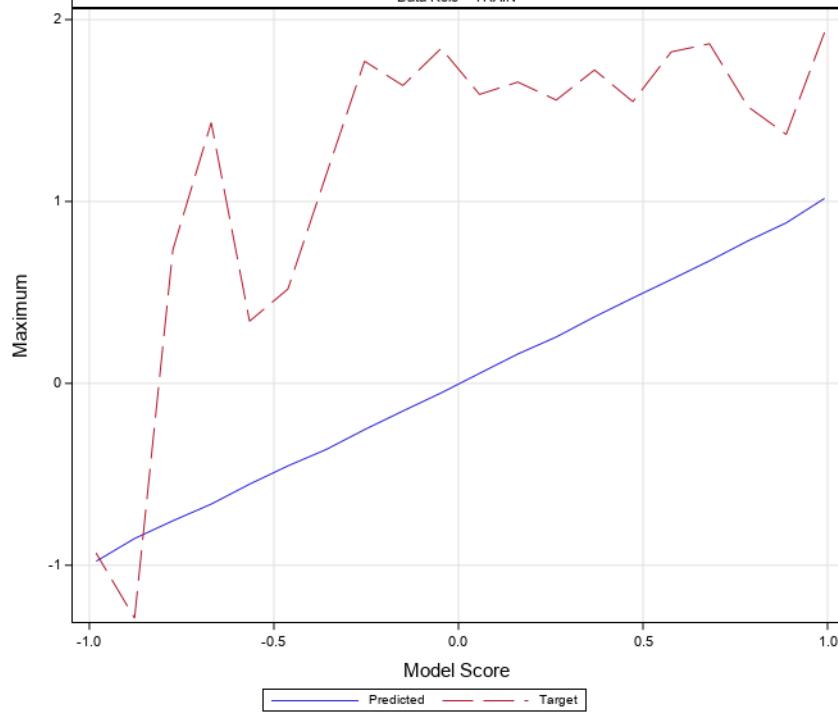


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=1)

Data Role = TRAIN

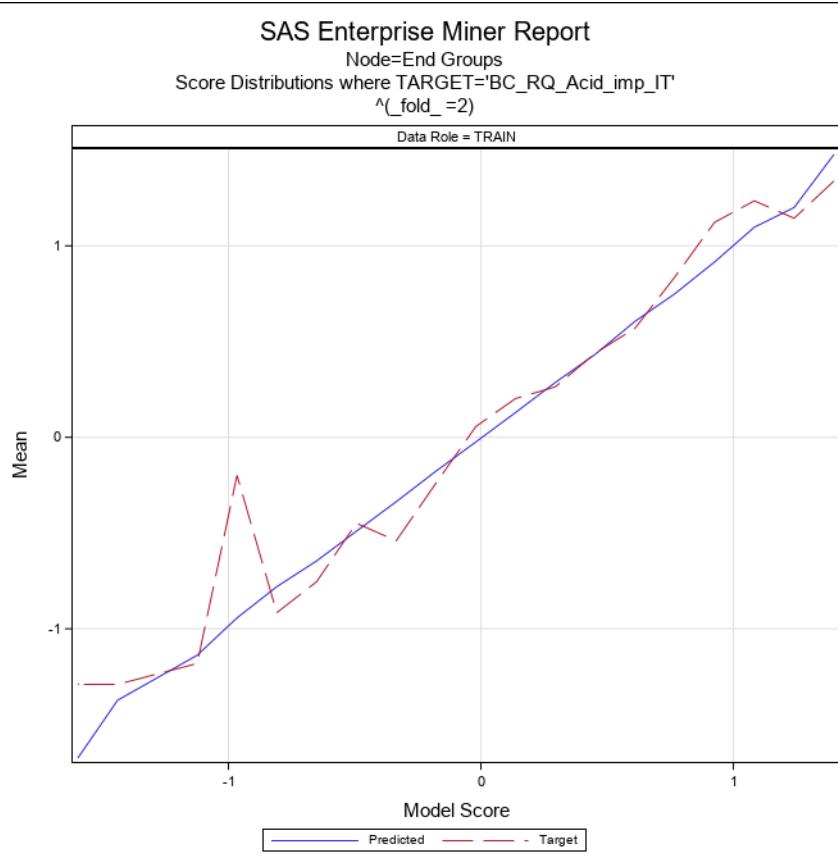


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

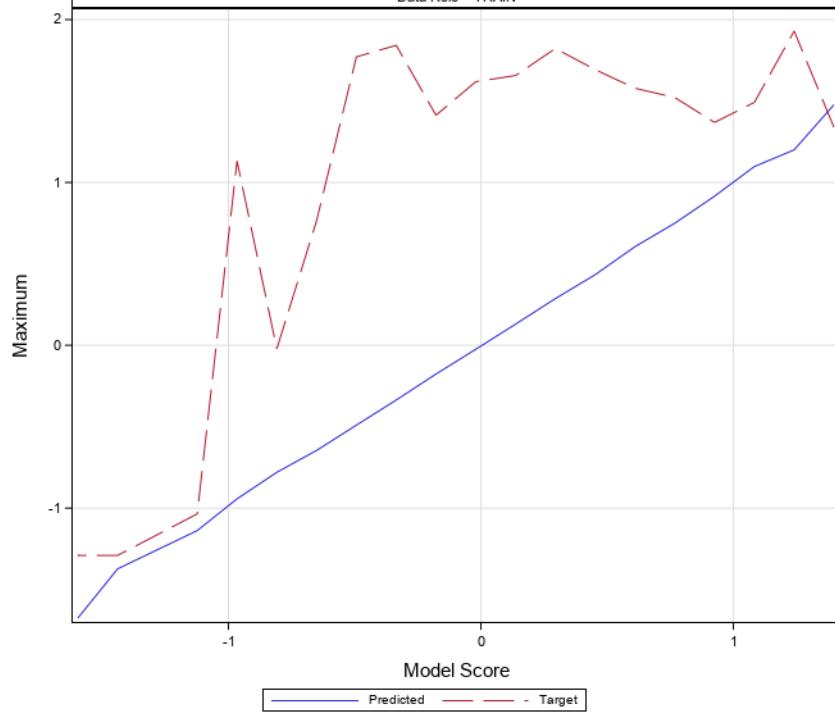


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

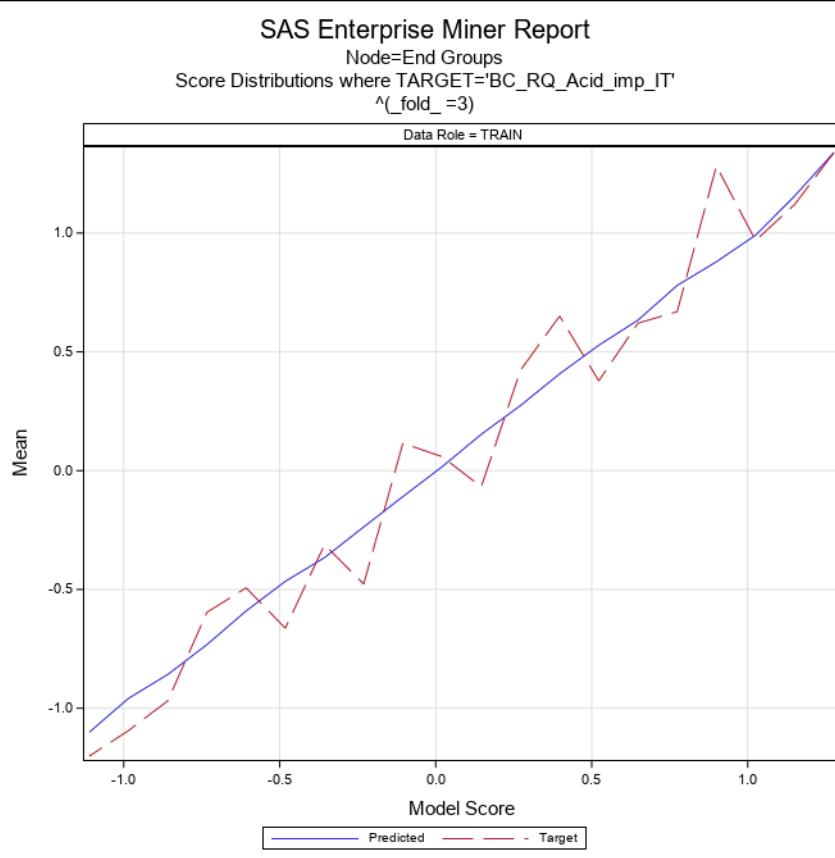


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

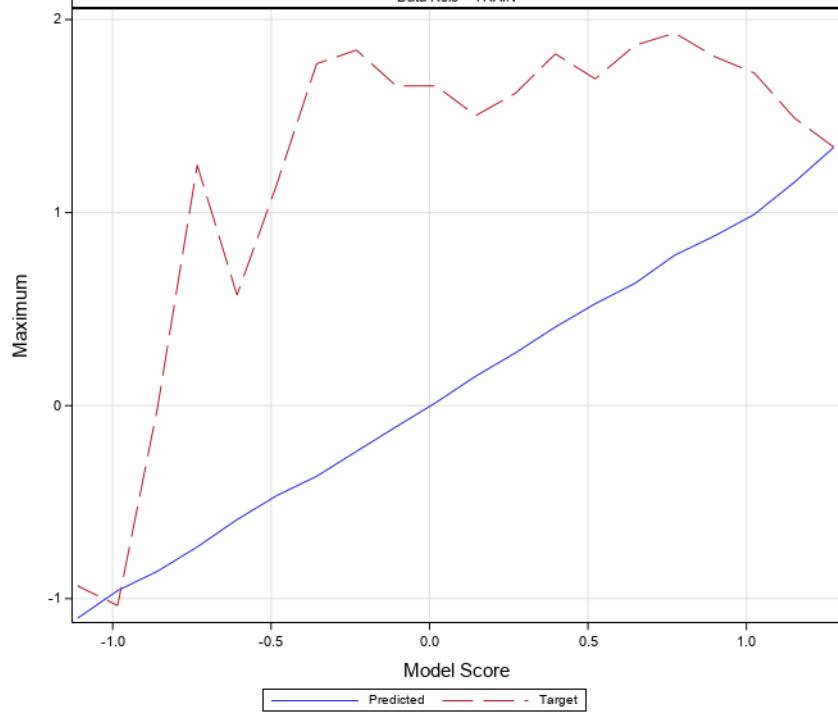


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

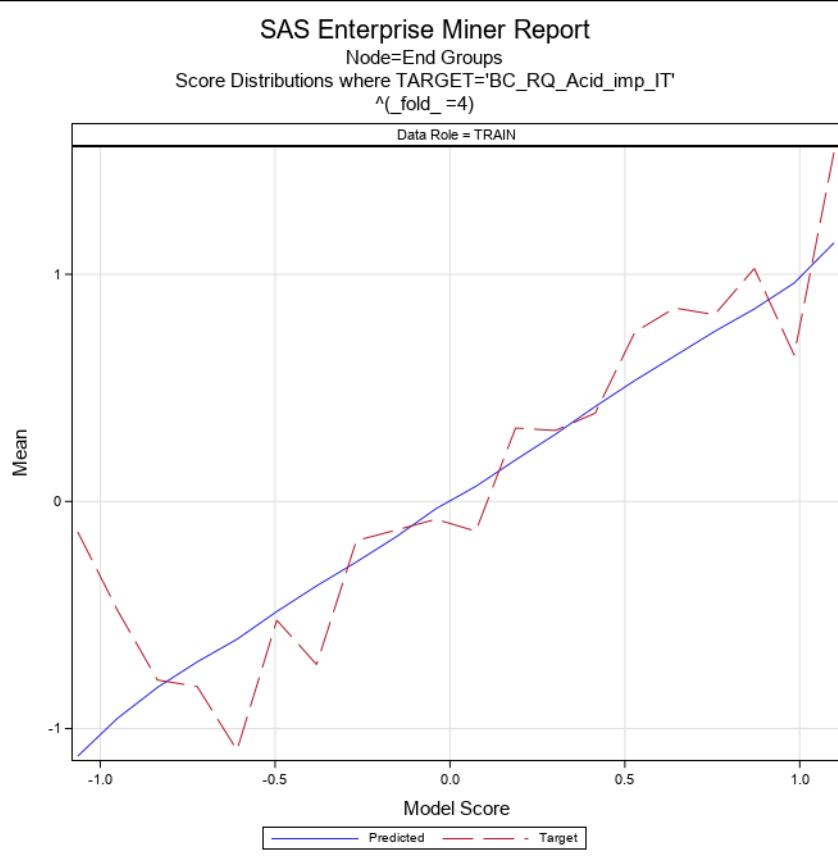


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

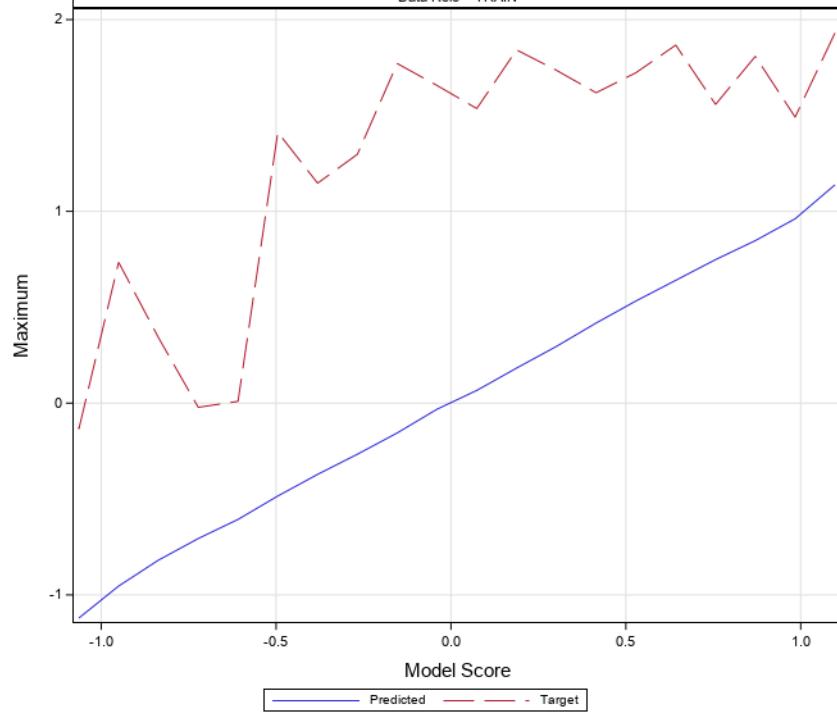


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

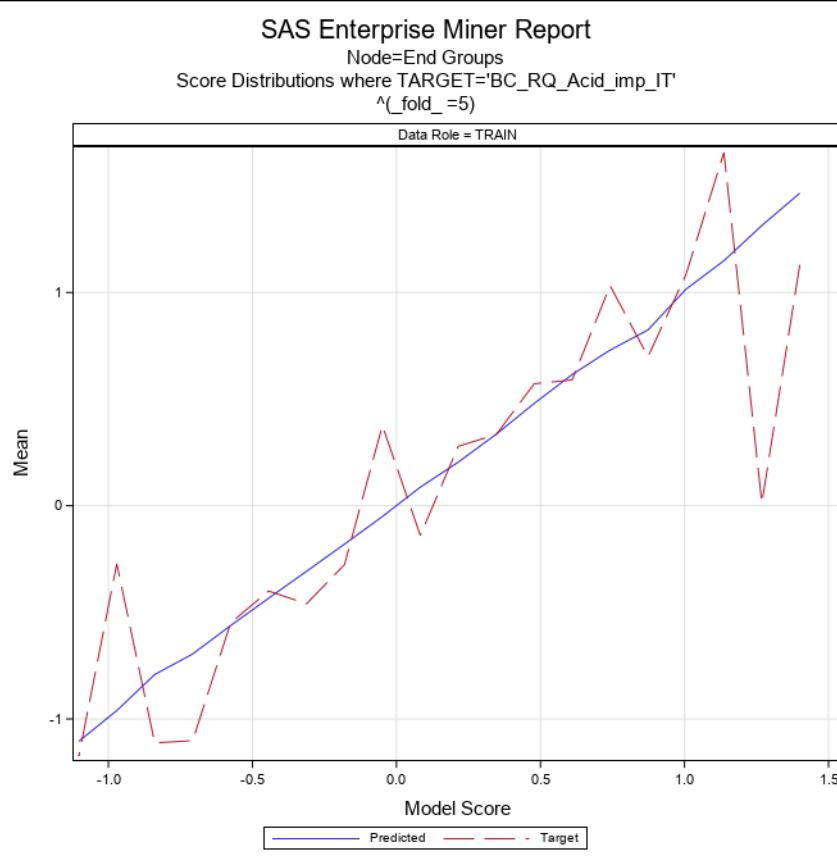


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

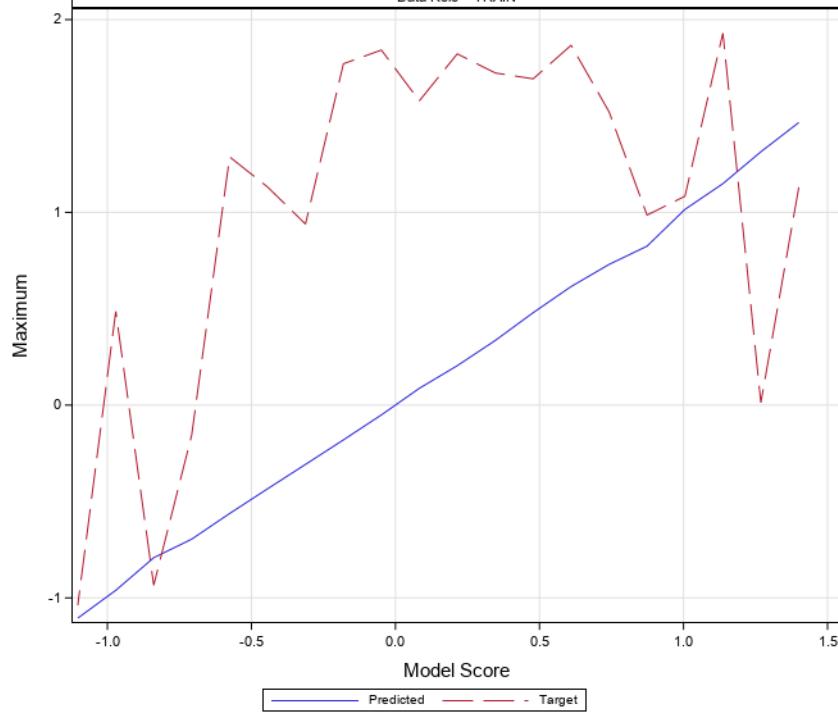


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

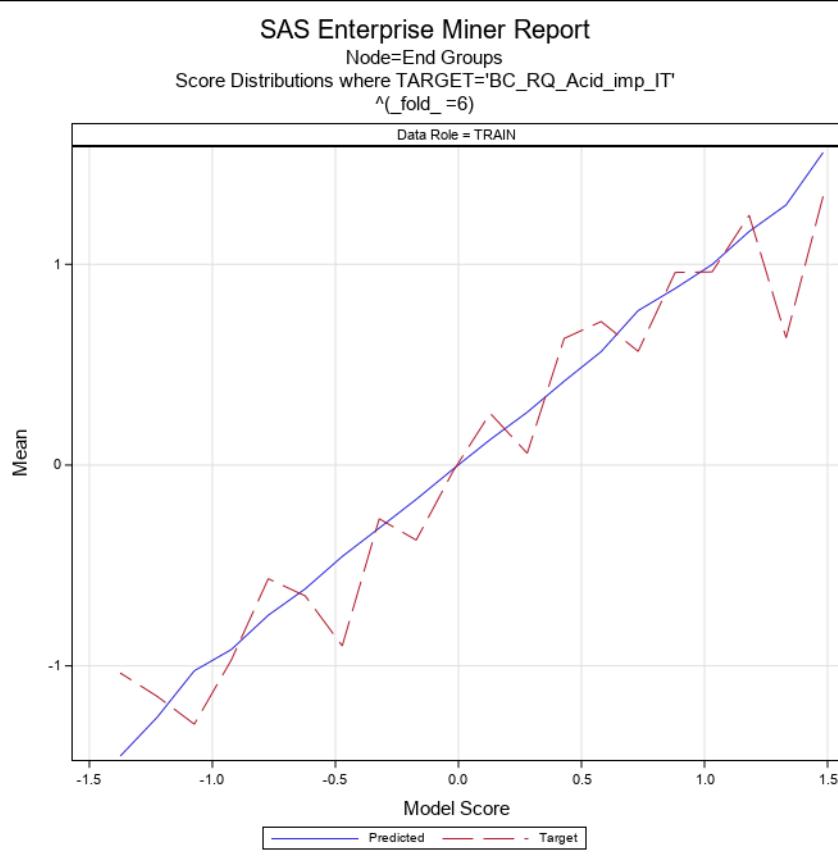


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

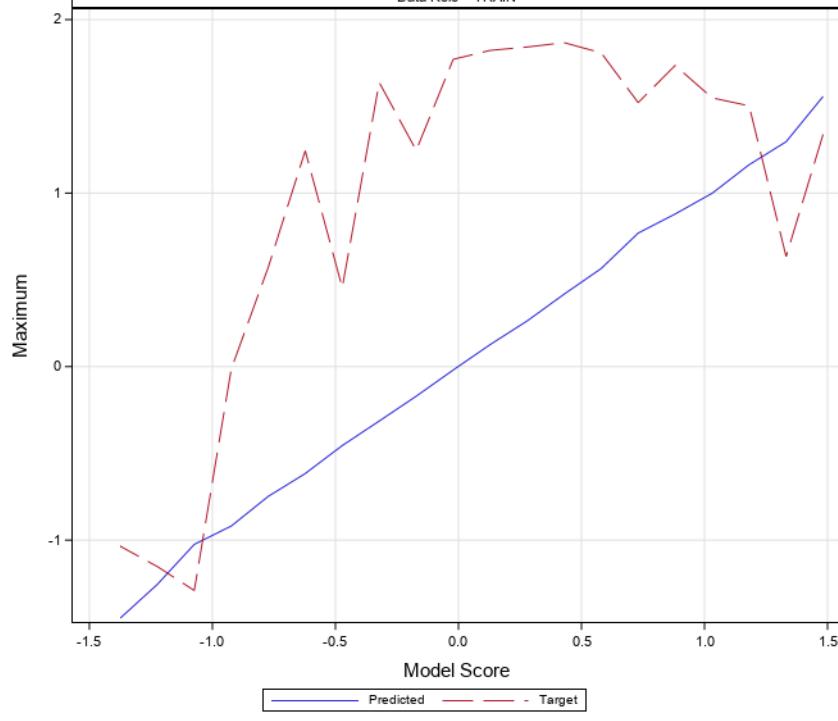


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

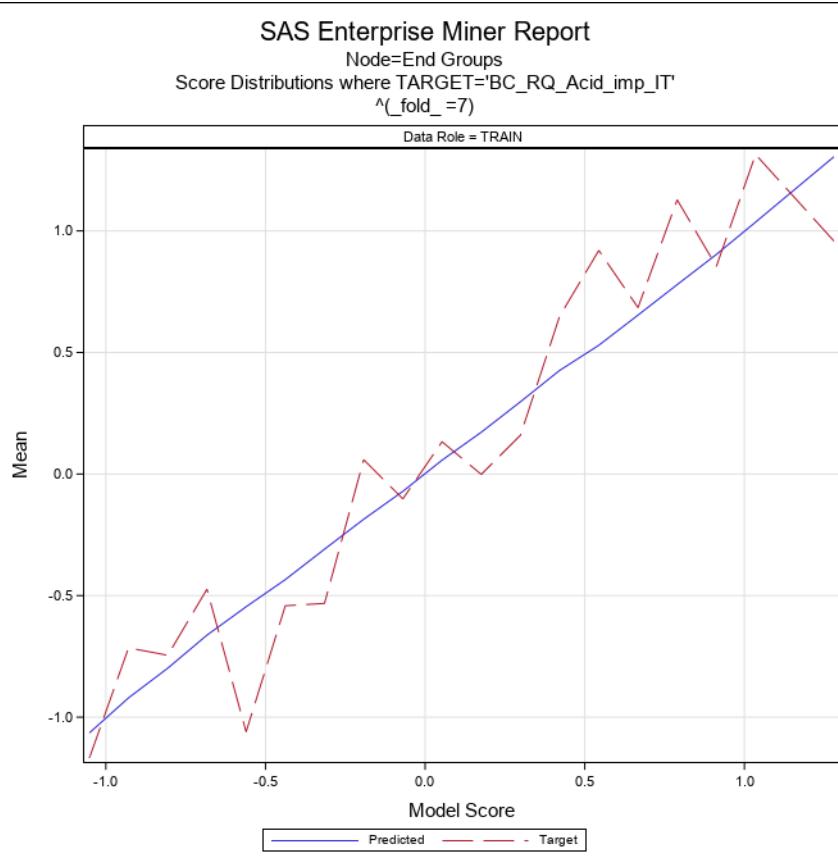


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

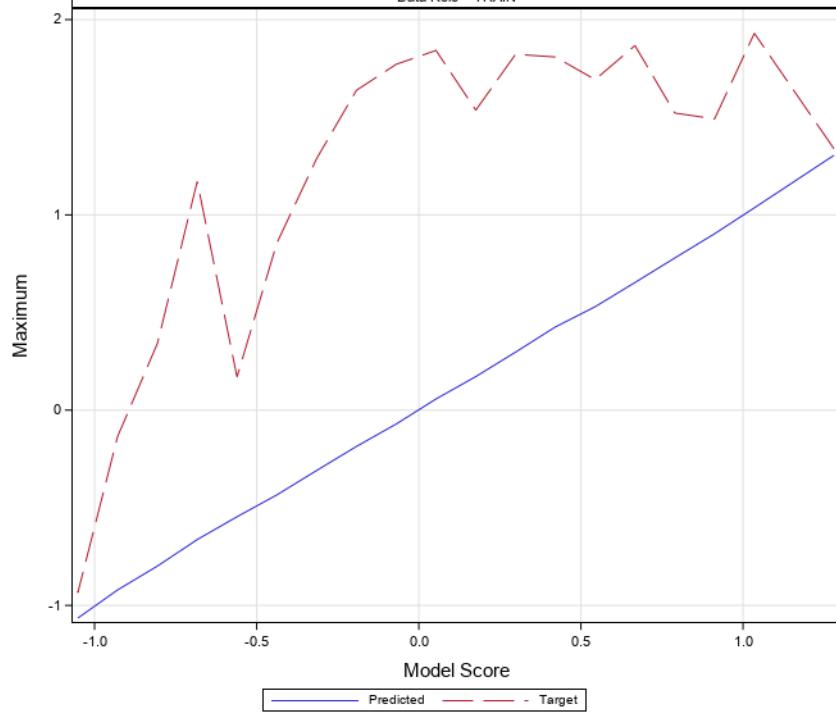


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

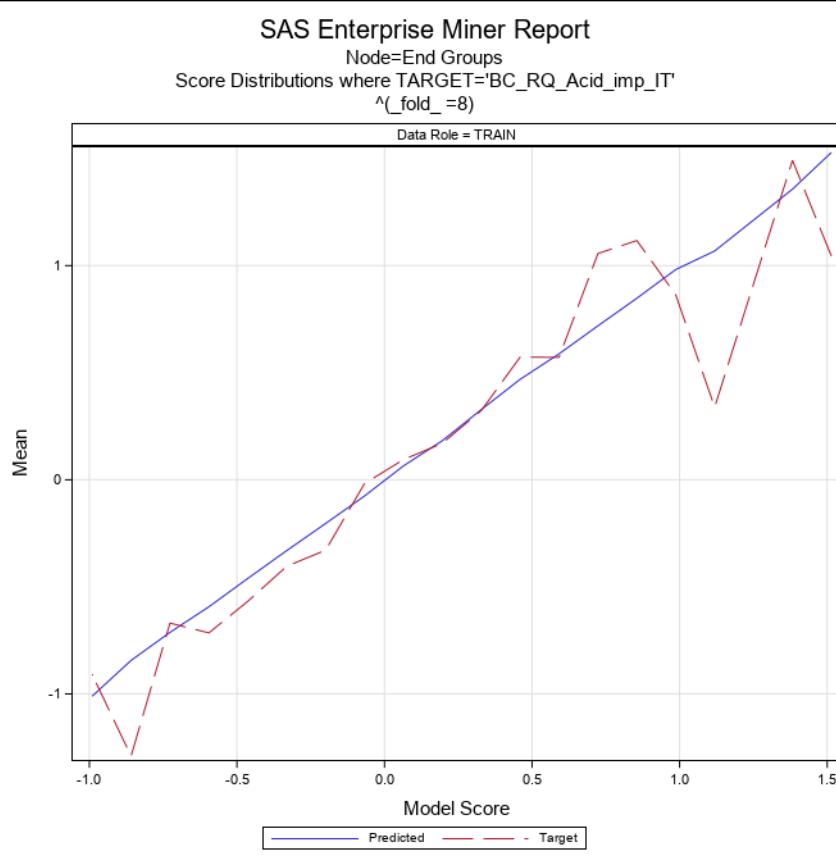


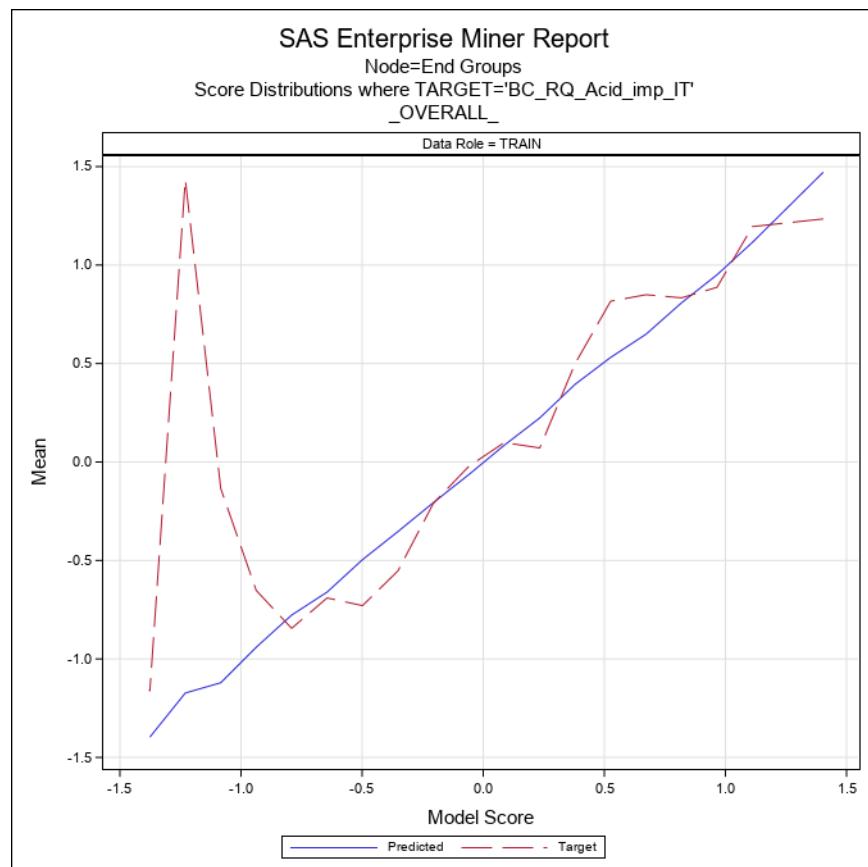
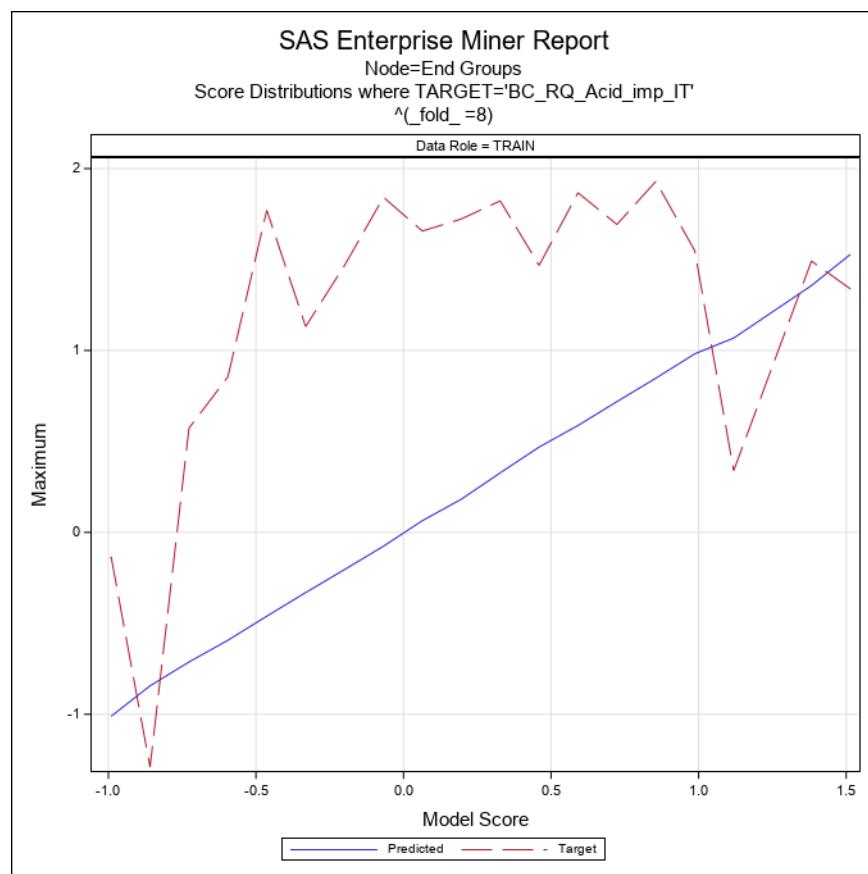
### SAS Enterprise Miner Report

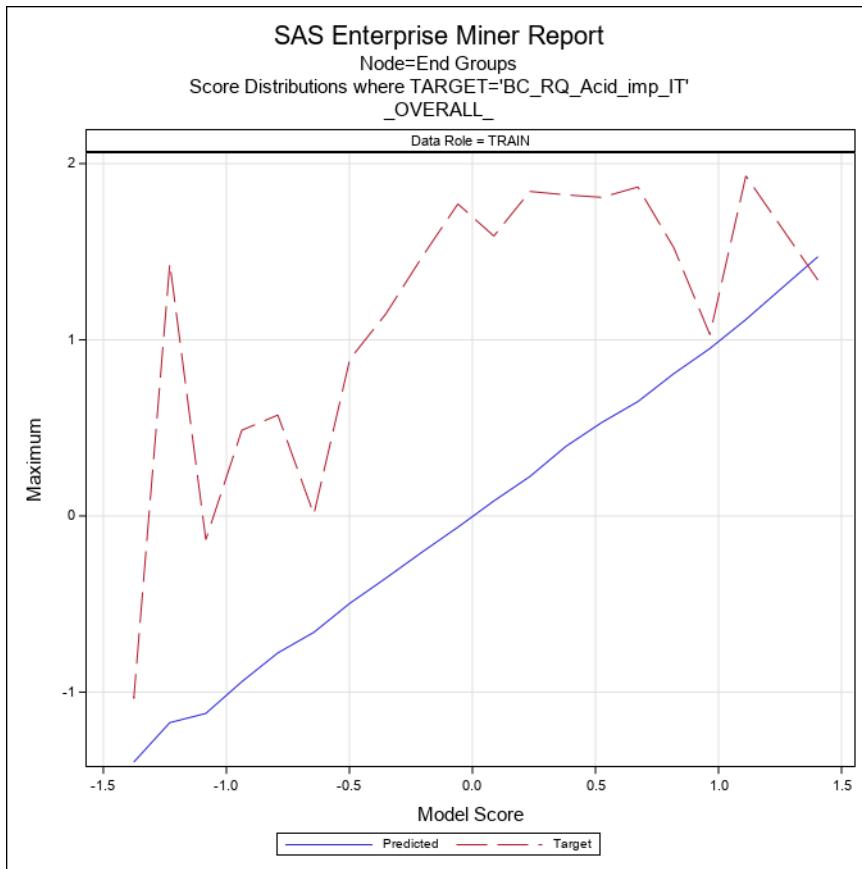
Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN







### **Node=End Groups Score Distributions**

Group= $\wedge(\text{fold}_\text{=}1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.940 - 1.044	1.01677	1.04370	0.98890	1.13562	1.92987	0.33895
0.836 - 0.940	0.88244	0.90109	0.84932	0.41356	1.36860	-1.29040
0.732 - 0.836	0.78308	0.82816	0.75181	0.91339	1.52157	-0.69337
0.628 - 0.732	0.67360	0.72184	0.63625	1.03090	1.86701	0.12270
0.524 - 0.628	0.57083	0.60699	0.53087	0.66269	1.82242	-1.29040
0.421 - 0.524	0.46954	0.50782	0.42065	0.47574	1.54878	-1.29040
0.317 - 0.421	0.36577	0.41944	0.31799	0.50358	1.72308	-1.29040
0.213 - 0.317	0.25482	0.31544	0.21543	0.13032	1.55764	-1.29040
0.109 - 0.213	0.16155	0.21224	0.10930	0.19378	1.65655	-1.29040
0.005 - 0.109	0.05502	0.10720	0.00545	-0.00267	1.58869	-1.29040
-0.099 - 0.005	-0.05232	0.00281	-0.09669	0.12275	1.84202	-1.29040
-0.203 - -0.099	-0.15210	-0.10418	-0.19538	-0.45247	1.63777	-1.29040
-0.306 - -0.203	-0.25438	-0.20311	-0.30496	-0.21028	1.77106	-1.29040
-0.410 - -0.306	-0.36342	-0.31003	-0.40694	-0.34152	1.14698	-1.29040
-0.514 - -0.410	-0.45380	-0.41660	-0.51204	-0.59596	0.51841	-1.29040
-0.618 - -0.514	-0.55420	-0.52080	-0.57301	-0.15232	0.34189	-0.68686
-0.722 - -0.618	-0.66377	-0.62206	-0.69073	-0.86966	1.43354	-1.29040
-0.826 - -0.722	-0.75547	-0.72727	-0.80412	-0.95292	0.73451	-1.29040
-0.929 - -0.826	-0.85302	-0.85259	-0.85345	-1.29040	-1.29040	-1.29040
-1.033 - -0.929	-0.97798	-0.93804	-1.03334	-1.16692	-0.93451	-1.29040

### **Node=End Groups Score Distributions**

Group=\_fold\_ =2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.319 - 1.477	1.47712	1.47712	1.47712	1.33863	1.33863	1.33863
1.162 - 1.319	1.20001	1.21994	1.16340	1.14409	1.92987	0.33895
1.004 - 1.162	1.09735	1.14732	1.01777	1.23508	1.49143	1.08384
0.847 - 1.004	0.91550	0.95281	0.87787	1.12279	1.36860	0.80905
0.689 - 0.847	0.74938	0.84363	0.69128	0.83677	1.52157	-1.29040
0.531 - 0.689	0.60547	0.67955	0.53257	0.56933	1.57848	-1.29040
0.374 - 0.531	0.43331	0.51129	0.37469	0.43901	1.69276	-1.29040
0.216 - 0.374	0.28670	0.37109	0.21743	0.26365	1.82242	-1.29040
0.058 - 0.216	0.12969	0.20947	0.06018	0.20259	1.65655	-1.29040
-0.099 - 0.058	-0.02463	0.05747	-0.08441	0.05591	1.61852	-1.29040
-0.257 - -0.099	-0.17667	-0.10528	-0.25457	-0.23929	1.41251	-1.29040
-0.414 - -0.257	-0.33638	-0.25731	-0.41358	-0.54059	1.84202	-1.29040
-0.572 - -0.414	-0.49052	-0.42085	-0.55178	-0.44871	1.77106	-1.29040
-0.730 - -0.572	-0.64570	-0.58595	-0.72706	-0.75434	0.76521	-1.29040
-0.887 - -0.730	-0.78012	-0.74064	-0.83514	-0.91599	-0.02189	-1.29040
-1.045 - -0.887	-0.94319	-0.88803	-1.01330	-0.19895	1.13168	-1.29040
-1.203 - -1.045	-1.13810	-1.04739	-1.18481	-1.18142	-1.03562	-1.29040
-1.518 - -1.360	-1.37309	-1.37309	-1.37309	-1.29040	-1.29040	-1.29040
-1.675 - -1.518	-1.67538	-1.67538	-1.67538	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.214 - 1.339	1.33911	1.33911	1.33911	1.33863	1.33863	1.33863
1.088 - 1.214	1.15639	1.19729	1.11549	1.12072	1.49143	0.75001
0.962 - 1.088	0.99106	1.01993	0.97260	0.96859	1.72308	-0.18592
0.837 - 0.962	0.87893	0.92852	0.85105	1.28199	1.80838	0.36155
0.711 - 0.837	0.77947	0.83043	0.72088	0.66913	1.92987	-0.93451
0.586 - 0.711	0.63350	0.69285	0.58683	0.62060	1.86701	-0.84532
0.460 - 0.586	0.52785	0.58371	0.46880	0.37783	1.69276	-1.29040
0.334 - 0.460	0.40739	0.45817	0.33906	0.65060	1.82242	-1.29040
0.209 - 0.334	0.27396	0.32756	0.21637	0.42202	1.61852	-1.29040
0.083 - 0.209	0.15281	0.20860	0.09431	-0.06810	1.50288	-1.29040
-0.042 - 0.083	0.01622	0.08275	-0.04012	0.05891	1.65655	-1.29040
-0.168 - -0.042	-0.10933	-0.04372	-0.16730	0.11516	1.65655	-1.29040
-0.294 - -0.168	-0.23717	-0.17031	-0.29241	-0.47731	1.84202	-1.29040
-0.419 - -0.294	-0.36623	-0.30038	-0.41753	-0.31197	1.77106	-1.29040
-0.545 - -0.419	-0.46605	-0.42281	-0.52765	-0.66340	1.14698	-1.29040
-0.670 - -0.545	-0.59061	-0.54882	-0.66180	-0.49338	0.57270	-1.29040
-0.796 - -0.670	-0.73216	-0.69612	-0.78261	-0.59628	1.24620	-1.29040
-0.922 - -0.796	-0.85808	-0.80928	-0.90859	-0.96884	-0.01343	-1.29040
-1.047 - -0.922	-0.95828	-0.92534	-0.99122	-1.09398	-1.03562	-1.15235
-1.173 - -1.047	-1.10069	-1.05403	-1.17278	-1.20143	-0.93451	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.041 - 1.155	1.13815	1.15468	1.11670	1.53620	1.92987	1.12996
0.927 - 1.041	0.96134	0.98806	0.94777	0.64420	1.49143	0.31751
0.813 - 0.927	0.84749	0.89511	0.81607	1.02550	1.80838	0.12270
0.700 - 0.813	0.74835	0.77868	0.72219	0.82224	1.55764	0.06961
0.586 - 0.700	0.64050	0.69312	0.58606	0.85161	1.86701	-1.21823
0.472 - 0.586	0.53265	0.58087	0.47800	0.74594	1.72308	-1.29040
0.358 - 0.472	0.41781	0.46639	0.37067	0.38845	1.61852	-1.29040
0.244 - 0.358	0.29570	0.35402	0.24577	0.31251	1.73571	-1.29040
0.131 - 0.244	0.18276	0.24228	0.13244	0.32307	1.84202	-1.29040
0.017 - 0.131	0.06626	0.12227	0.01724	-0.13071	1.53621	-1.29040
-0.097 - 0.017	-0.03188	0.01574	-0.09658	-0.07838	1.65655	-1.29040
-0.211 - -0.097	-0.15556	-0.09830	-0.20447	-0.12594	1.77106	-1.29040
-0.324 - -0.211	-0.26646	-0.21297	-0.32231	-0.17233	1.29756	-1.29040
-0.438 - -0.324	-0.37158	-0.32919	-0.43532	-0.71784	1.14698	-1.29040
-0.552 - -0.438	-0.48441	-0.44123	-0.55170	-0.52280	1.41251	-1.29040
-0.666 - -0.552	-0.60651	-0.55223	-0.66202	-1.09478	0.00927	-1.29040
-0.780 - -0.666	-0.70624	-0.67837	-0.73239	-0.81498	-0.02189	-1.29040
-0.893 - -0.780	-0.81890	-0.78167	-0.85139	-0.78591	0.34189	-1.29040
-1.007 - -0.893	-0.95403	-0.91171	-0.99718	-0.48034	0.73451	-1.29040
-1.121 - -1.007	-1.12093	-1.12093	-1.12093	-0.13485	-0.13485	-0.13485

## Node=End Groups Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.334 - 1.466	1.46606	1.46606	1.46606	1.12996	1.12996	1.12996
1.203 - 1.334	1.31413	1.31413	1.31413	0.01250	0.01250	0.01250
1.071 - 1.203	1.14897	1.19330	1.12214	1.65669	1.92987	1.49143
0.939 - 1.071	1.01541	1.01541	1.01541	1.08384	1.08384	1.08384
0.807 - 0.939	0.82463	0.83295	0.81671	0.69904	0.98555	0.36155
0.676 - 0.807	0.72985	0.79071	0.69390	1.03175	1.52157	0.33895
0.544 - 0.676	0.61517	0.66518	0.56663	0.58987	1.86701	-1.03562
0.412 - 0.544	0.47960	0.53731	0.43707	0.57197	1.69276	-1.29040
0.281 - 0.412	0.33535	0.40861	0.28120	0.33401	1.72308	-1.29040
0.149 - 0.281	0.20467	0.27882	0.15283	0.27883	1.82242	-1.29040
0.017 - 0.149	0.08724	0.14613	0.01722	-0.13915	1.57848	-1.29040
-0.115 - 0.017	-0.05073	0.01283	-0.10987	0.37570	1.84202	-1.29040
-0.246 - -0.115	-0.18026	-0.11508	-0.24570	-0.27689	1.77106	-1.29040
-0.378 - -0.246	-0.30751	-0.24929	-0.37454	-0.45975	0.93917	-1.29040
-0.510 - -0.378	-0.43411	-0.37915	-0.50705	-0.40014	1.13168	-1.29040
-0.642 - -0.510	-0.56223	-0.51309	-0.61964	-0.54977	1.28782	-1.29040
-0.773 - -0.642	-0.69542	-0.64288	-0.76066	-1.10173	-0.15603	-1.29040
-0.905 - -0.773	-0.79158	-0.79094	-0.79222	-1.11246	-0.93451	-1.29040
-1.037 - -0.905	-0.96073	-0.95249	-0.96979	-0.27241	0.48660	-1.29040
-1.168 - -1.037	-1.10474	-1.03808	-1.16848	-1.17415	-1.03562	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.407 - 1.557	1.55716	1.55716	1.55716	1.33863	1.33863	1.33863
1.257 - 1.407	1.29602	1.29602	1.29602	0.63414	0.63414	0.63414
1.106 - 1.257	1.16349	1.20570	1.12129	1.24421	1.50288	0.98555
0.956 - 1.106	0.99898	1.02707	0.96721	0.96249	1.54878	0.18307
0.806 - 0.956	0.87955	0.91507	0.83470	0.95969	1.73571	-0.93451
0.655 - 0.806	0.76953	0.80424	0.68010	0.56651	1.52157	-0.84532
0.505 - 0.655	0.56522	0.63710	0.50751	0.71512	1.80838	-1.03562
0.355 - 0.505	0.41778	0.48568	0.35457	0.63083	1.86701	-1.29040
0.204 - 0.355	0.26333	0.34656	0.20441	0.05893	1.84202	-1.29040
0.054 - 0.204	0.12713	0.20366	0.05541	0.25801	1.82242	-1.29040
-0.096 - 0.054	-0.01954	0.05272	-0.09382	-0.02937	1.77106	-1.29040
-0.247 - -0.096	-0.17057	-0.10533	-0.24282	-0.37350	1.24620	-1.29040
-0.397 - -0.247	-0.31364	-0.24778	-0.39531	-0.26745	1.63777	-1.29040
-0.547 - -0.397	-0.45515	-0.39771	-0.53957	-0.90047	0.45515	-1.29040
-0.698 - -0.547	-0.61629	-0.55766	-0.69657	-0.65157	1.24406	-1.29040
-0.848 - -0.698	-0.74787	-0.69818	-0.82401	-0.56603	0.57270	-1.29040
-0.998 - -0.848	-0.91891	-0.86388	-0.95929	-0.97116	-0.01343	-1.29040
-1.149 - -0.998	-1.02461	-1.02461	-1.02461	-1.29040	-1.29040	-1.29040
-1.299 - -1.149	-1.25538	-1.25538	-1.25538	-1.15235	-1.15235	-1.15235
-1.449 - -1.299	-1.44937	-1.44937	-1.44937	-1.03562	-1.03562	-1.03562

## Node=End Groups Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.219 - 1.342	1.30498	1.34175	1.25461	0.95830	1.33863	0.40630
0.974 - 1.096	1.03605	1.04809	1.01646	1.31430	1.92987	0.61604
0.851 - 0.974	0.90324	0.94888	0.85151	0.85404	1.49143	-0.53830
0.728 - 0.851	0.77901	0.82885	0.73341	1.12788	1.52157	0.24534
0.605 - 0.728	0.65361	0.72459	0.61473	0.68445	1.86701	-1.29040
0.483 - 0.605	0.52962	0.60337	0.48937	0.91980	1.69276	0.08931
0.360 - 0.483	0.42609	0.46780	0.36643	0.64884	1.80838	-1.21823
0.237 - 0.360	0.29722	0.35672	0.24092	0.15969	1.82242	-1.29040
0.114 - 0.237	0.17186	0.23700	0.11581	-0.00153	1.53621	-1.29040
-0.008 - 0.114	0.05709	0.11428	-0.00353	0.13283	1.84202	-1.29040
-0.131 - -0.008	-0.07106	-0.01111	-0.13090	-0.10207	1.77106	-1.29040
-0.254 - -0.131	-0.18603	-0.13417	-0.24462	0.05901	1.63777	-1.29040
-0.377 - -0.254	-0.30920	-0.25386	-0.37492	-0.53213	1.28782	-1.29040
-0.499 - -0.377	-0.43418	-0.37984	-0.49775	-0.54174	0.85495	-1.29040
-0.622 - -0.499	-0.54587	-0.49985	-0.60921	-1.06048	0.17012	-1.29040
-0.745 - -0.622	-0.66279	-0.62652	-0.74195	-0.47368	1.17083	-1.29040
-0.867 - -0.745	-0.79852	-0.76484	-0.83034	-0.74545	0.34189	-1.29040
-0.990 - -0.867	-0.92050	-0.86828	-0.97651	-0.71488	-0.13485	-1.29040
-1.113 - -0.990	-1.06484	-1.01624	-1.11296	-1.16827	-0.93451	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.448 - 1.580	1.52830	1.58009	1.47651	1.04432	1.33863	0.75001
1.316 - 1.448	1.35692	1.35692	1.35692	1.49143	1.49143	1.49143
1.053 - 1.185	1.06823	1.06823	1.06823	0.33895	0.33895	0.33895
0.921 - 1.053	0.98159	0.99293	0.96932	0.86320	1.54878	0.16562
0.789 - 0.921	0.84759	0.91624	0.79467	1.11697	1.92987	-0.93451
0.657 - 0.789	0.71878	0.78735	0.66740	1.05651	1.69276	-0.24068
0.525 - 0.657	0.58783	0.63633	0.53277	0.57132	1.86701	-1.21823
0.394 - 0.525	0.46898	0.52267	0.39790	0.57269	1.46801	-1.29040
0.262 - 0.394	0.32728	0.39025	0.26240	0.32285	1.82242	-1.29040
0.130 - 0.262	0.18230	0.25268	0.13239	0.17023	1.72308	-1.29040
-0.002 - 0.130	0.06454	0.12894	0.00050	0.09391	1.65655	-1.29040
-0.134 - -0.002	-0.07595	-0.01080	-0.13241	-0.01792	1.84202	-1.29040
-0.265 - -0.134	-0.20431	-0.13523	-0.26373	-0.32890	1.46801	-1.29040
-0.397 - -0.265	-0.33101	-0.26878	-0.39313	-0.40409	1.13168	-1.29040
-0.529 - -0.397	-0.46084	-0.40094	-0.52305	-0.56783	1.77106	-1.29040
-0.661 - -0.529	-0.59320	-0.53068	-0.65885	-0.71501	0.85495	-1.29040
-0.793 - -0.661	-0.71273	-0.68463	-0.73751	-0.66946	0.57270	-1.29040
-0.925 - -0.793	-0.84377	-0.81682	-0.89922	-1.29040	-1.29040	-1.29040
-1.056 - -0.925	-1.01085	-0.93042	-1.05644	-0.90955	-0.13485	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.331 - 1.477	1.47159	1.47712	1.46606	1.23429	1.33863	1.12996
1.038 - 1.184	1.11520	1.16340	1.04370	1.19526	1.92987	0.55237
0.892 - 1.038	0.95046	1.00728	0.89365	0.88695	1.02925	0.74466
0.745 - 0.892	0.80817	0.87692	0.76300	0.83360	1.52157	-1.29040
0.599 - 0.745	0.64913	0.72354	0.59943	0.84945	1.86701	-0.84532
0.453 - 0.599	0.53094	0.59606	0.45289	0.81623	1.80838	-1.29040
0.307 - 0.453	0.39486	0.44523	0.31519	0.50036	1.82242	-1.29040
0.160 - 0.307	0.22371	0.30602	0.16197	0.07134	1.84202	-1.29040
0.014 - 0.160	0.08513	0.15801	0.01393	0.09878	1.58869	-1.29040
-0.132 - 0.014	-0.06380	0.01283	-0.13182	-0.02191	1.77106	-1.29040
-0.279 - -0.132	-0.20605	-0.13321	-0.27759	-0.20958	1.46801	-1.29040
-0.425 - -0.279	-0.35308	-0.28319	-0.42403	-0.55273	1.14698	-1.29040
-0.571 - -0.425	-0.49576	-0.43010	-0.56747	-0.72921	0.88977	-1.29040
-0.718 - -0.571	-0.66067	-0.57721	-0.70794	-0.69024	0.00927	-1.29040
-0.864 - -0.718	-0.77733	-0.72025	-0.83514	-0.84470	0.57270	-1.29040
-1.010 - -0.864	-0.94075	-0.89689	-0.99718	-0.65200	0.48660	-1.29040
-1.157 - -1.010	-1.12093	-1.12093	-1.12093	-0.13485	-0.13485	-0.13485
-1.303 - -1.157	-1.17306	-1.17306	-1.17306	1.43354	1.43354	1.43354
-1.449 - -1.303	-1.39699	-1.34461	-1.44937	-1.16301	-1.03562	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	$\wedge$ fold_=1)	347
2	$\wedge$ fold_=2)	352
3	$\wedge$ fold_=3)	325
4	$\wedge$ fold_=4)	356
5	$\wedge$ fold_=5)	345

Group Index	Group	Frequency Count
6	^(fold_=6)	343
7	^(fold_=7)	346
8	^(fold_=8)	337

## SAS Enterprise Miner Report

### Node=Gradient Boosting Summary

Node id = Boost3  
 Node label = Gradient Boosting  
 Meta path = Ids => Trans => Grp9 => Boost3  
 Notes =

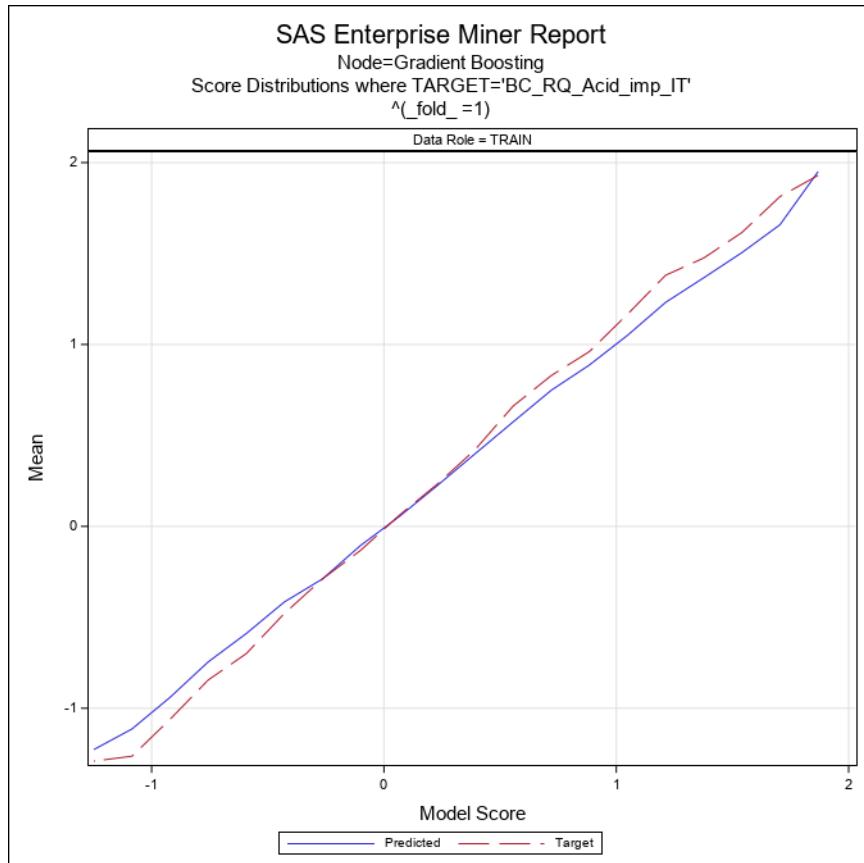
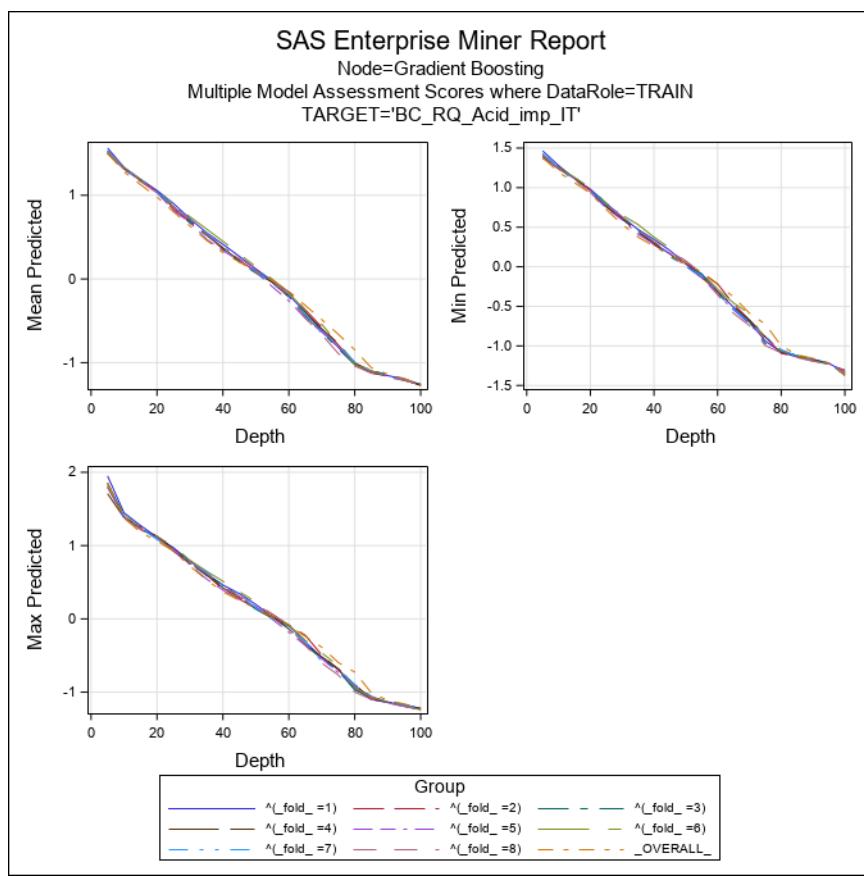
### Node=Gradient Boosting Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Boost		MaxBranch	3	2	Performance	DISK	
AssessMeasure	PROFIT		MaxDepth	6	2	Precision	0	
CategoricalBins	30		Measure	PROFIT		ReUseVar	1	
CreateHStat	Y	N	MinCatSize	5		Seed	12345	
Exhaustive	5000		Missing	USEINSEARCH		Shrinkage	0.1	
Huber	NO		NSurrs	0		SplitSize	.	
IntervalBins	100		NodeSize	20000		SubSeries	BEST	
IterationNum	1		NumPairImp	0		ToolType	MODEL	
Iterations	50		NumSingleImp	5		TrainProportion	60	
LeafFraction	0.001		ObsImportance	Y	N	VarSelection	N	Y

### Node=Gradient Boosting Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

Group Index	Group	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Times Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Target Label
1	^(fold_=1)	BC_RQ_Acid_imp_IT	348	348	0.36881	5.1219	0.01472	0.12132	348	348	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	BC_RQ_Acid_imp_IT	344	344	0.36871	5.0922	0.01480	0.12167	344	344	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	BC_RQ_Acid_imp_IT	337	337	0.41029	5.4109	0.01606	0.12671	337	337	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	BC_RQ_Acid_imp_IT	340	340	0.40314	5.4695	0.01609	0.12683	340	340	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	BC_RQ_Acid_imp_IT	337	337	0.43145	5.8467	0.01735	0.13172	337	337	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	BC_RQ_Acid_imp_IT	335	335	0.50707	5.9624	0.01780	0.13341	335	335	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	BC_RQ_Acid_imp_IT	349	349	0.46595	6.1671	0.01767	0.13293	349	349	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	BC_RQ_Acid_imp_IT	336	336	0.34973	5.1110	0.01521	0.12333	336	336	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	393	.	2.23099	53.2768	0.13556	0.36819	393	.	ReQuest (acid subscale) (Box-Cox transformed)

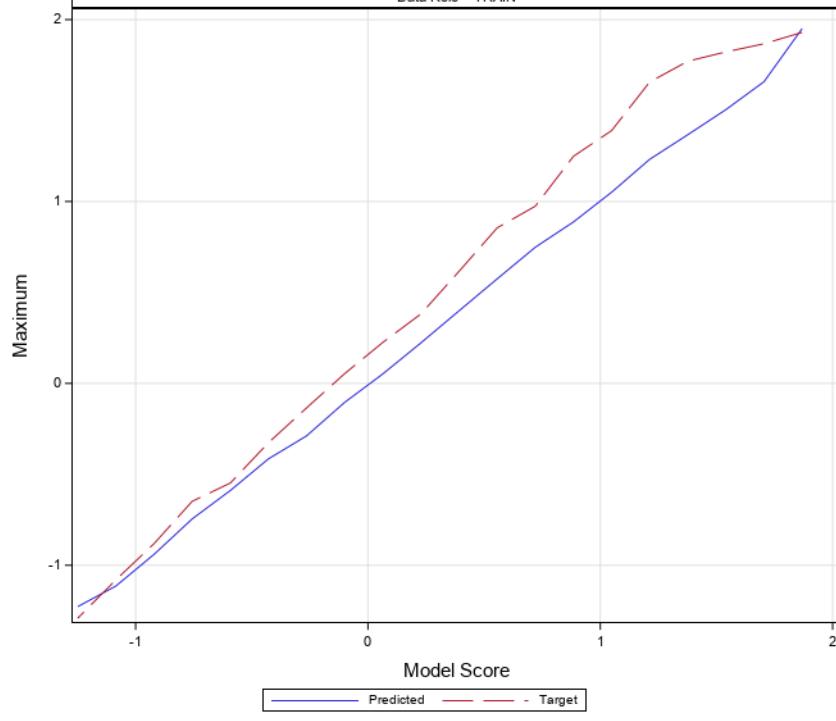


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

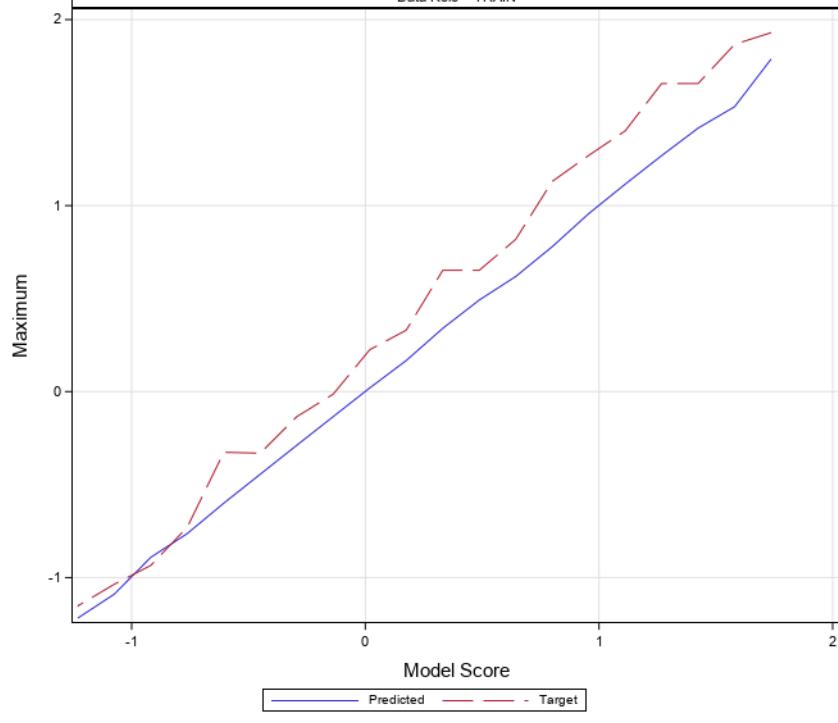


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

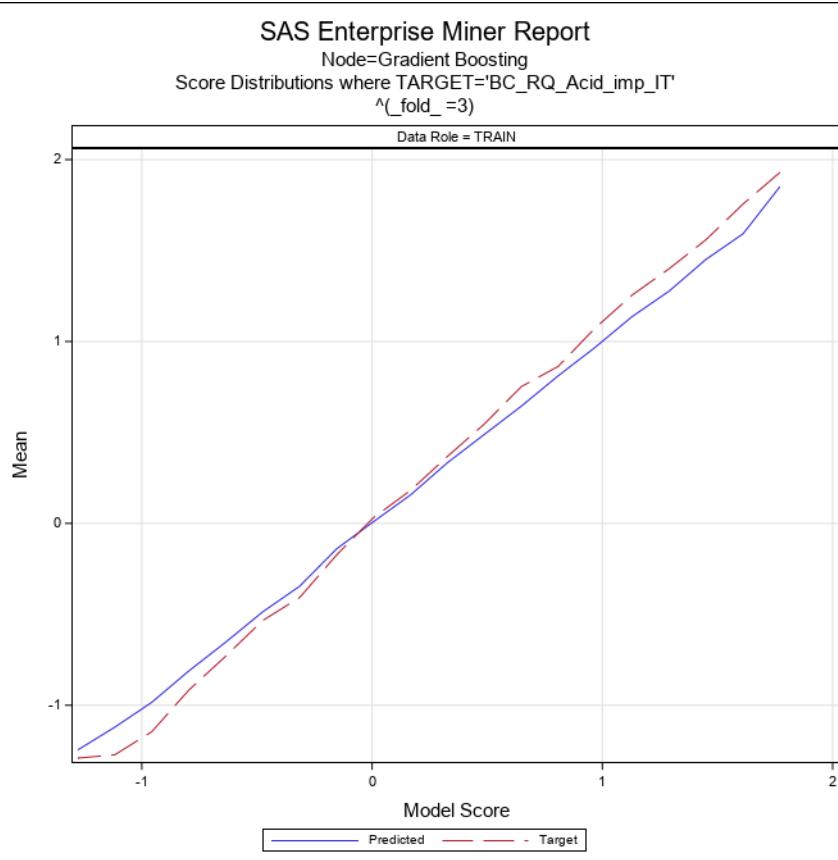
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

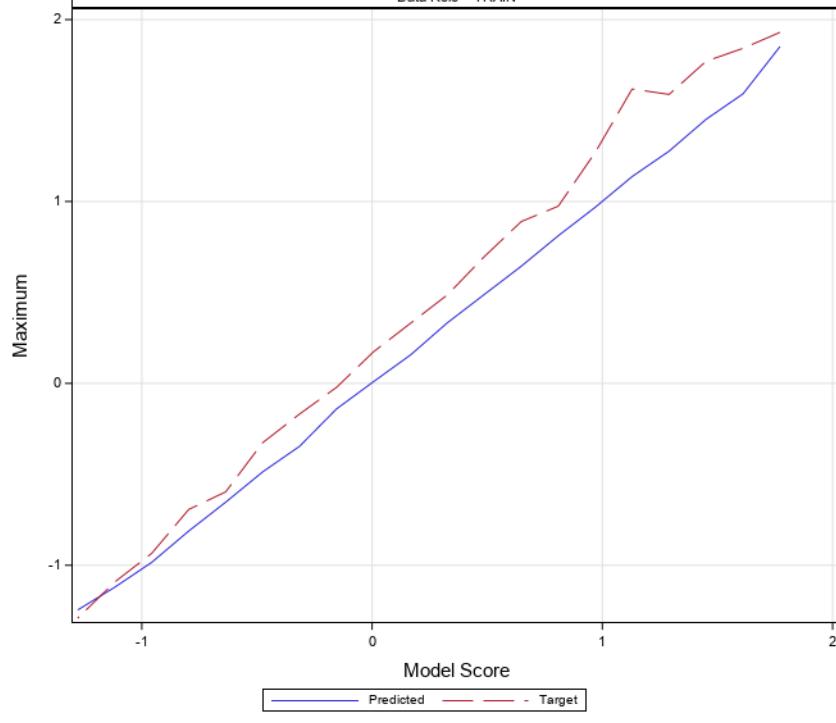


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

Data Role = TRAIN

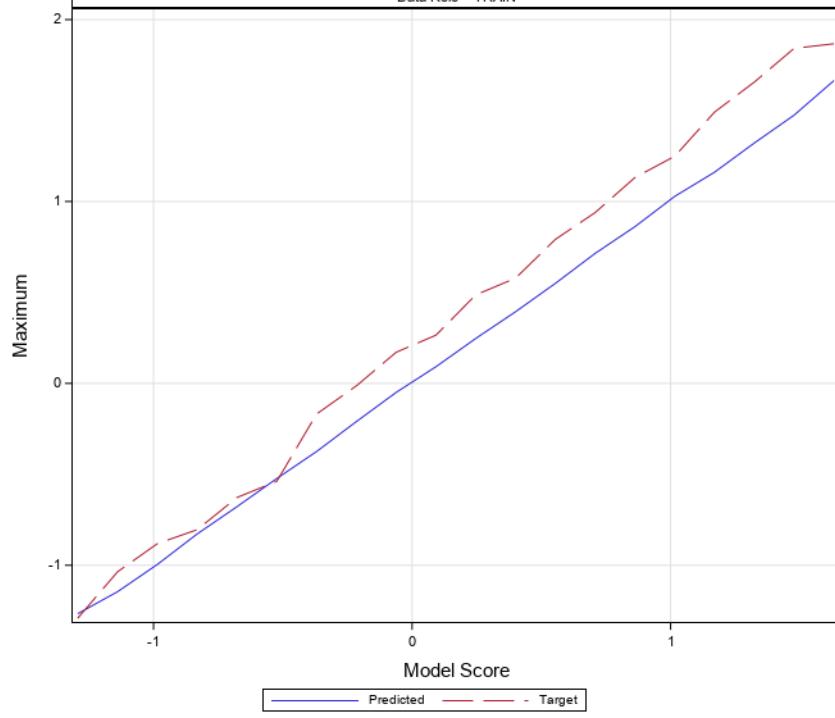


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

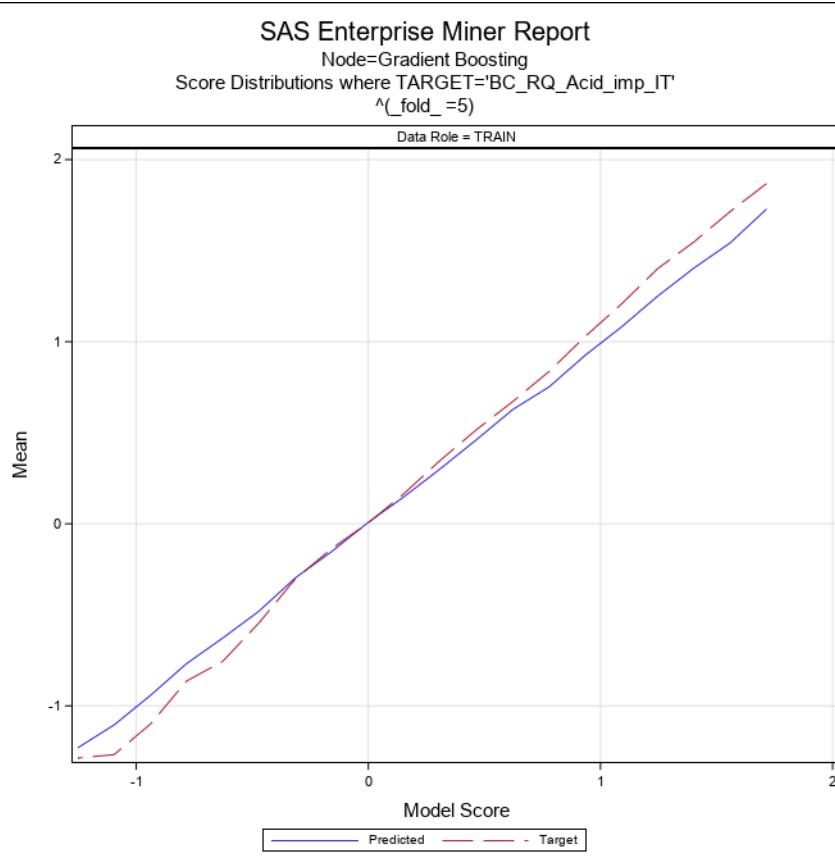
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

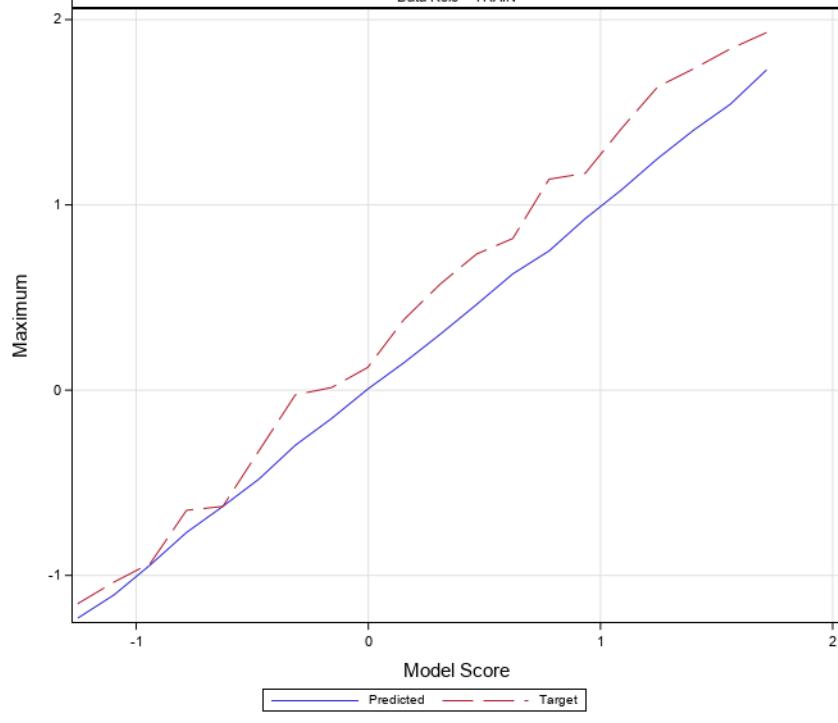


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

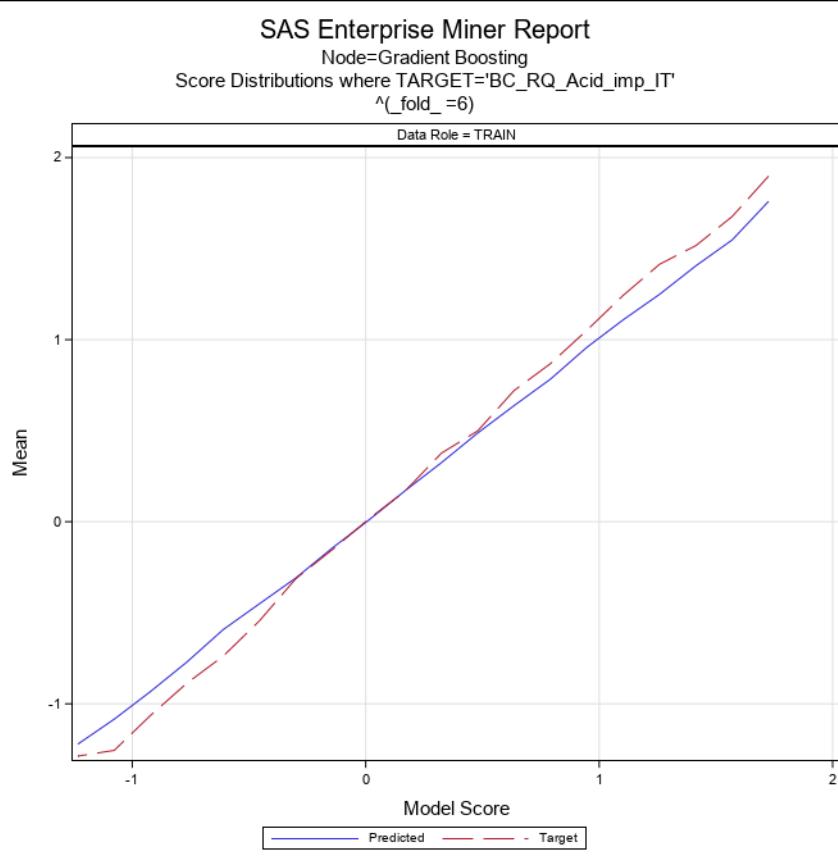
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

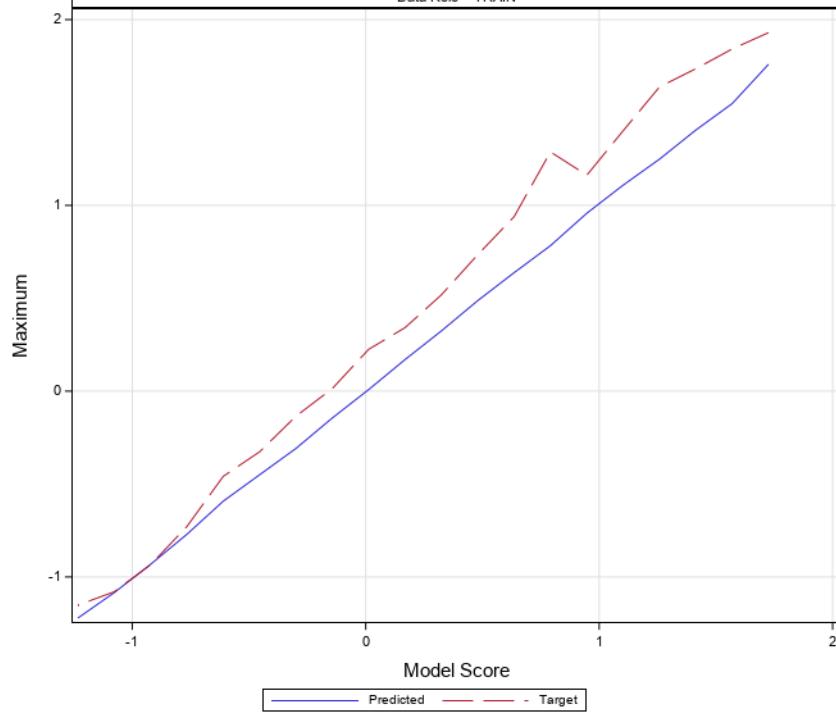


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

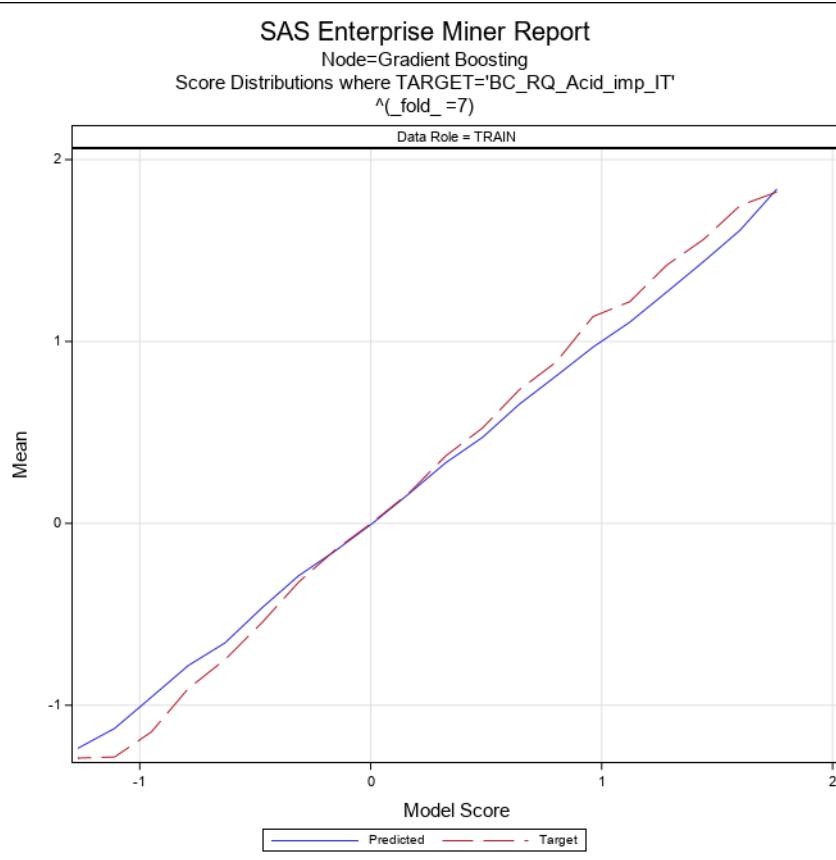
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

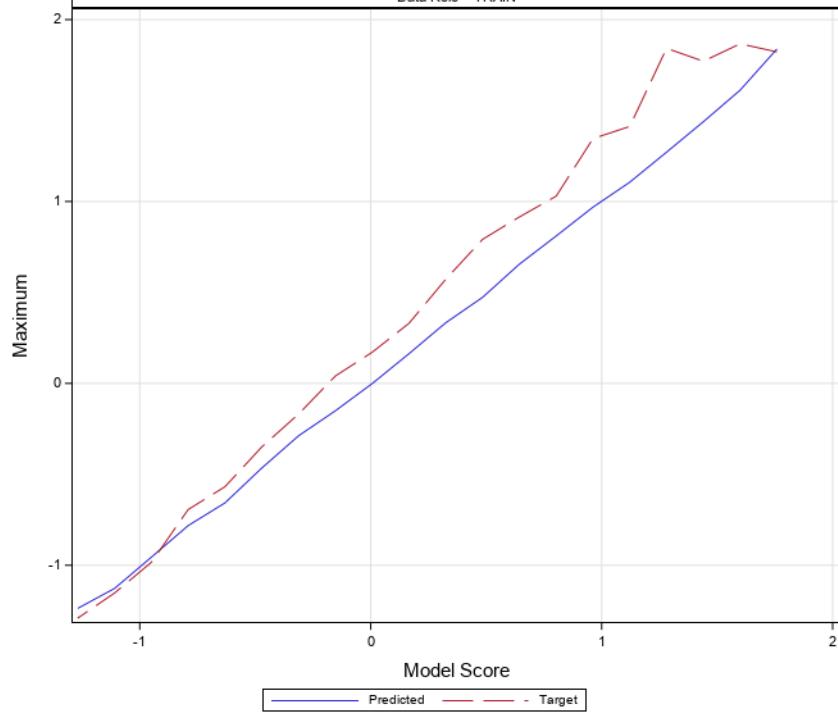


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

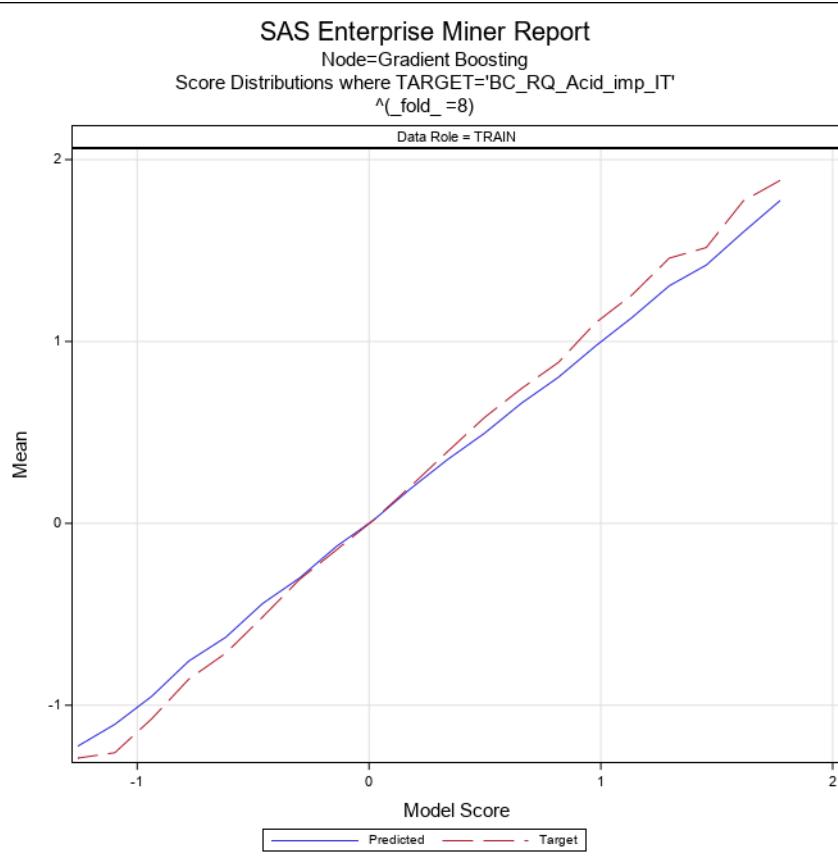
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

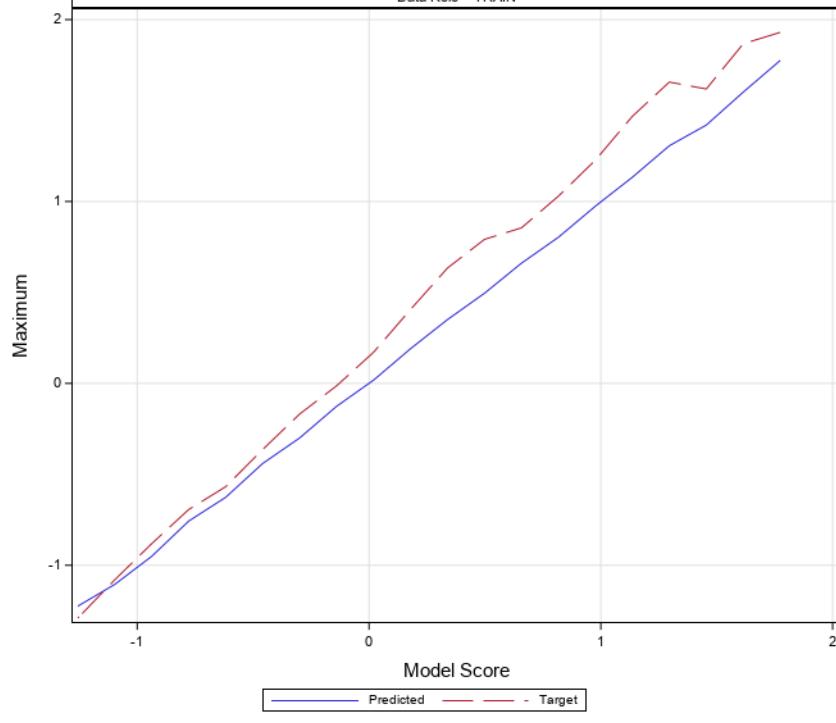


**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

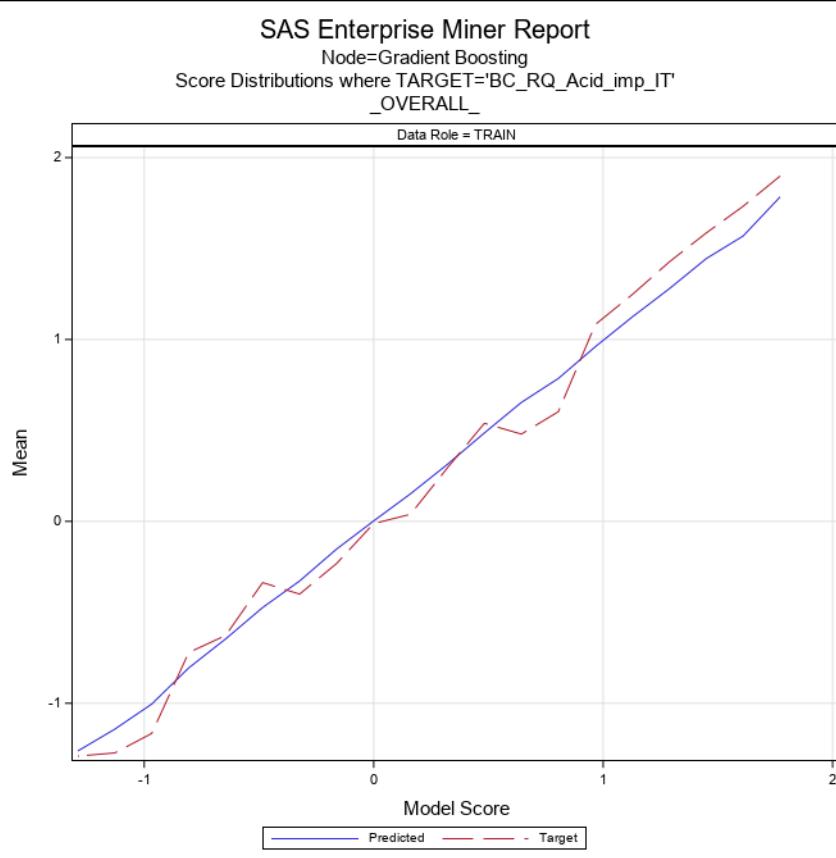
Data Role = TRAIN

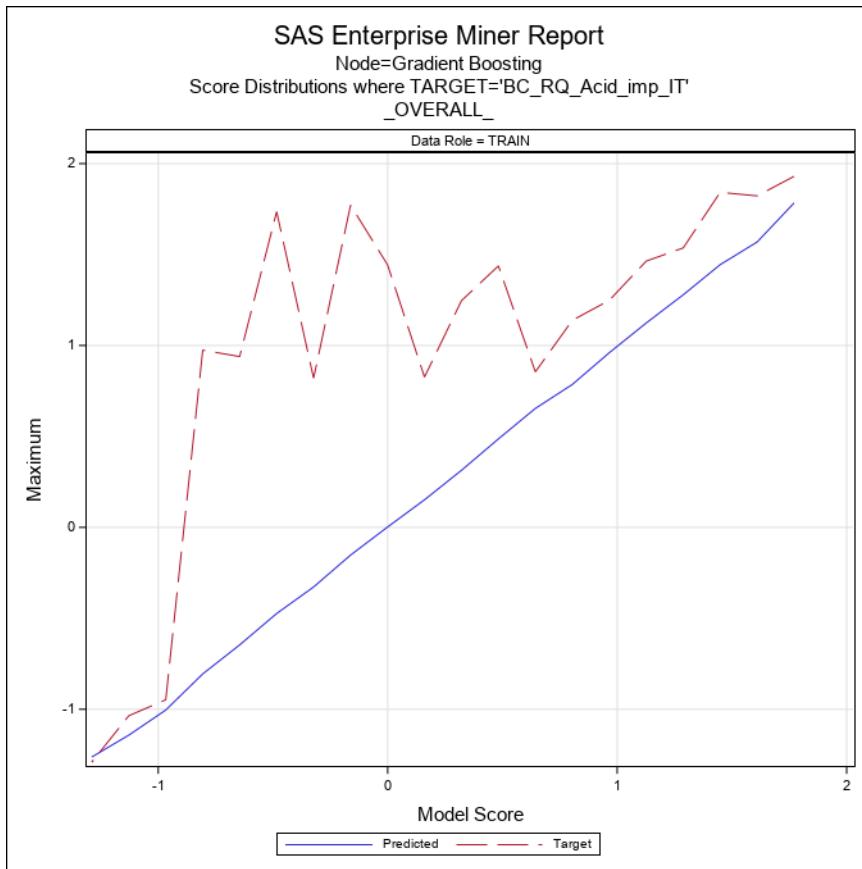
**SAS Enterprise Miner Report**

Node=Gradient Boosting

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### Node=Gradient Boosting Score Distributions

Group= $\wedge(\text{fold}_\text{=}1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.787 - 1.951	1.95070	1.95070	1.95070	1.92987	1.92987	1.92987
1.623 - 1.787	1.65855	1.67268	1.64143	1.81328	1.86701	1.73571
1.458 - 1.623	1.50508	1.57522	1.46470	1.61570	1.82242	1.49143
1.294 - 1.458	1.36693	1.44704	1.30215	1.47547	1.77106	1.33863
1.130 - 1.294	1.23168	1.28831	1.13807	1.38086	1.65655	1.08384
0.966 - 1.130	1.05054	1.12492	0.96635	1.16641	1.38921	0.98555
0.802 - 0.966	0.88731	0.96005	0.80815	0.96104	1.24818	0.83692
0.638 - 0.802	0.74835	0.80130	0.69374	0.82921	0.97422	0.71868
0.474 - 0.638	0.57454	0.63322	0.47617	0.66156	0.85495	0.47553
0.310 - 0.474	0.39896	0.47111	0.31175	0.42157	0.61604	0.25719
0.146 - 0.310	0.22271	0.30925	0.15600	0.23056	0.38174	0.06961
-0.018 - 0.146	0.05199	0.13322	-0.00260	0.05884	0.22515	-0.07171
-0.182 - -0.018	-0.10447	-0.02157	-0.16132	-0.13140	0.05362	-0.30409
-0.346 - -0.182	-0.28860	-0.19764	-0.34593	-0.28879	-0.13485	-0.45852
-0.510 - -0.346	-0.41517	-0.34974	-0.47798	-0.47845	-0.32636	-0.69337
-0.674 - -0.510	-0.58900	-0.51075	-0.65887	-0.69934	-0.54790	-0.88860
-0.838 - -0.674	-0.74513	-0.67981	-0.82091	-0.84468	-0.64842	-1.03562
-1.003 - -0.838	-0.93990	-0.84725	-0.98963	-1.06075	-0.88095	-1.29040
-1.167 - -1.003	-1.11394	-1.01320	-1.16629	-1.26377	-1.07980	-1.29040
-1.331 - -1.167	-1.22716	-1.16713	-1.33066	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Score Distributions

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.659 - 1.815	1.78804	1.81485	1.76122	1.86912	1.92987	1.80838
1.503 - 1.659	1.53179	1.58818	1.50481	1.67337	1.86701	1.46404
1.346 - 1.503	1.41676	1.50249	1.35556	1.53916	1.65655	1.43146
1.190 - 1.346	1.26882	1.34600	1.19282	1.40512	1.65655	1.22737
1.034 - 1.190	1.11522	1.18092	1.03930	1.23290	1.40177	1.08384
0.878 - 1.034	0.95662	1.02995	0.88081	1.06830	1.26974	0.86781
0.722 - 0.878	0.77901	0.86747	0.73430	0.89167	1.12996	0.73451
0.566 - 0.722	0.61880	0.70877	0.56762	0.68290	0.81845	0.53897
0.409 - 0.566	0.49208	0.54616	0.44803	0.49709	0.65182	0.36845
0.253 - 0.409	0.33997	0.40066	0.25375	0.39573	0.65182	0.18307
0.097 - 0.253	0.16716	0.25219	0.09890	0.19820	0.33009	0.06635
-0.059 - 0.097	0.01976	0.08253	-0.03958	0.02209	0.22515	-0.18592
-0.215 - -0.059	-0.13429	-0.05946	-0.21391	-0.14300	-0.01343	-0.29971
-0.371 - -0.215	-0.28864	-0.21599	-0.36335	-0.34010	-0.13485	-0.45852
-0.528 - -0.371	-0.44413	-0.37228	-0.49758	-0.53976	-0.33103	-0.71673
-0.684 - -0.528	-0.59994	-0.52793	-0.67099	-0.64700	-0.32636	-0.98338
-0.840 - -0.684	-0.76303	-0.69445	-0.82833	-0.86209	-0.72860	-1.09174
-0.996 - -0.840	-0.89090	-0.86013	-0.94209	-0.99584	-0.93451	-1.07430
-1.152 - -0.996	-1.08892	-0.99631	-1.14293	-1.25408	-1.03562	-1.29040
-1.308 - -1.152	-1.21767	-1.15647	-1.30840	-1.28286	-1.15235	-1.29040

## Node=Gradient Boosting Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.691 - 1.851	1.85147	1.85147	1.85147	1.92987	1.92987	1.92987
1.531 - 1.691	1.59177	1.65398	1.54948	1.75540	1.84202	1.54878
1.370 - 1.531	1.45172	1.51560	1.38403	1.56005	1.77106	1.39306
1.210 - 1.370	1.27680	1.35224	1.21435	1.40004	1.58869	1.14239
1.049 - 1.210	1.13709	1.20823	1.07463	1.25532	1.61852	1.08384
0.889 - 1.049	0.96801	1.04059	0.88914	1.07442	1.26974	0.85049
0.728 - 0.889	0.81156	0.88614	0.74669	0.86325	0.97422	0.79471
0.568 - 0.728	0.64416	0.72573	0.57529	0.75162	0.88977	0.53897
0.407 - 0.568	0.48896	0.56281	0.41257	0.54631	0.69704	0.36155
0.247 - 0.407	0.33318	0.40496	0.24723	0.36783	0.48660	0.18307
0.086 - 0.247	0.15591	0.24477	0.08661	0.18079	0.33009	-0.07171
-0.074 - 0.086	0.00926	0.08285	-0.07126	0.03154	0.17344	-0.24068
-0.235 - -0.074	-0.14058	-0.07628	-0.20617	-0.17431	-0.02189	-0.30409
-0.395 - -0.235	-0.34593	-0.29569	-0.39507	-0.40819	-0.16851	-0.56687
-0.556 - -0.395	-0.48695	-0.42331	-0.55291	-0.53430	-0.32636	-0.76554
-0.716 - -0.556	-0.65330	-0.60057	-0.70851	-0.73051	-0.59657	-0.88860
-0.877 - -0.716	-0.81198	-0.72795	-0.87237	-0.91736	-0.69337	-1.11166
-1.037 - -0.877	-0.98397	-0.89755	-1.03543	-1.14563	-0.93451	-1.29040
-1.197 - -1.037	-1.12057	-1.04048	-1.19708	-1.27223	-1.09174	-1.29040
-1.358 - -1.197	-1.24540	-1.19787	-1.35795	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.555 - 1.709	1.66473	1.70864	1.63859	1.83260	1.86701	1.80838
1.401 - 1.555	1.47482	1.53834	1.42589	1.63689	1.84202	1.50288
1.247 - 1.401	1.32152	1.39634	1.24825	1.44945	1.65655	1.24620
1.093 - 1.247	1.16106	1.24527	1.11697	1.30799	1.49143	1.08384
0.939 - 1.093	1.02826	1.08223	0.95492	1.13006	1.24885	0.98555
0.785 - 0.939	0.86165	0.93464	0.79850	0.91273	1.13168	0.80905
0.631 - 0.785	0.71474	0.77701	0.64326	0.76461	0.93917	0.53897
0.477 - 0.631	0.54984	0.62136	0.48022	0.62393	0.79170	0.36845
0.323 - 0.477	0.39391	0.45844	0.32477	0.43018	0.57848	0.30288
0.169 - 0.323	0.24698	0.31861	0.17052	0.28091	0.48660	0.13591
0.016 - 0.169	0.09165	0.16288	0.02115	0.10657	0.26501	-0.02189
-0.138 - 0.016	-0.04951	0.00751	-0.13229	-0.02533	0.17117	-0.24068
-0.292 - -0.138	-0.20996	-0.13855	-0.28651	-0.21245	-0.01343	-0.39330
-0.446 - -0.292	-0.37451	-0.31597	-0.43152	-0.37694	-0.16851	-0.50236
-0.600 - -0.446	-0.52313	-0.44831	-0.58676	-0.65648	-0.53830	-0.88860
-0.754 - -0.600	-0.67779	-0.60405	-0.75243	-0.78486	-0.62748	-1.03562
-0.908 - -0.754	-0.82769	-0.77874	-0.88727	-0.99314	-0.80438	-1.29040
-1.062 - -0.908	-0.99523	-0.91150	-1.05998	-1.14816	-0.88095	-1.29040
-1.216 - -1.062	-1.14515	-1.06556	-1.21458	-1.27987	-1.03562	-1.29040
-1.370 - -1.216	-1.26602	-1.21977	-1.36979	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.637 - 1.793	1.72825	1.79323	1.67489	1.86842	1.92987	1.80838
1.481 - 1.637	1.54299	1.61994	1.50235	1.71520	1.84202	1.56639
1.325 - 1.481	1.40479	1.47362	1.34573	1.54817	1.73571	1.40177
1.169 - 1.325	1.25070	1.31481	1.17111	1.40163	1.63777	1.08384
1.013 - 1.169	1.08117	1.14833	1.01343	1.20709	1.41251	0.98555
0.856 - 1.013	0.92580	1.00000	0.86162	1.02893	1.17083	0.87690
0.700 - 0.856	0.75140	0.85645	0.70275	0.83627	1.13831	0.69704
0.544 - 0.700	0.62746	0.69763	0.54488	0.67109	0.81845	0.53897
0.388 - 0.544	0.46219	0.53631	0.38939	0.51711	0.73451	0.31751
0.232 - 0.388	0.30194	0.38107	0.23427	0.34851	0.57270	0.16562
0.076 - 0.232	0.14855	0.21213	0.08599	0.16614	0.38174	-0.07171
-0.080 - 0.076	0.00595	0.06786	-0.07256	0.00296	0.12270	-0.16851
-0.236 - -0.080	-0.15315	-0.10760	-0.22100	-0.13645	0.01410	-0.24068
-0.393 - -0.236	-0.29739	-0.24607	-0.36199	-0.30293	-0.02557	-0.39330
-0.549 - -0.393	-0.47950	-0.39516	-0.54540	-0.54381	-0.32636	-0.76554
-0.705 - -0.549	-0.62737	-0.55044	-0.70126	-0.75483	-0.62748	-0.93451
-0.861 - -0.705	-0.76805	-0.71010	-0.85895	-0.86397	-0.64842	-1.29040
-1.017 - -0.861	-0.94306	-0.87719	-1.00437	-1.10061	-0.93451	-1.29040
-1.173 - -1.017	-1.10483	-1.01790	-1.17264	-1.26796	-1.03562	-1.29040
-1.329 - -1.173	-1.23032	-1.17519	-1.32935	-1.28686	-1.15235	-1.29040

## Node=Gradient Boosting Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.648 - 1.803	1.75971	1.80347	1.71595	1.89844	1.92987	1.86701
1.492 - 1.648	1.54805	1.61571	1.49626	1.67668	1.84202	1.46404
1.336 - 1.492	1.40564	1.49148	1.34261	1.51672	1.73571	1.31292
1.181 - 1.336	1.24895	1.30194	1.19824	1.41398	1.63777	1.20526
1.025 - 1.181	1.10894	1.17566	1.04705	1.24317	1.40177	1.08384
0.869 - 1.025	0.95776	1.02366	0.87685	1.05139	1.16250	0.82644
0.713 - 0.869	0.78321	0.85236	0.72377	0.86846	1.28782	0.68341
0.558 - 0.713	0.63780	0.71069	0.56089	0.72061	0.93917	0.57270
0.402 - 0.558	0.48734	0.55047	0.42449	0.49922	0.73451	0.33009
0.246 - 0.402	0.32424	0.39896	0.24765	0.37647	0.51841	0.25719
0.091 - 0.246	0.16994	0.23923	0.09321	0.16826	0.34189	0.04068
-0.065 - 0.091	0.00859	0.07164	-0.06382	0.01436	0.22515	-0.24068
-0.221 - -0.065	-0.14430	-0.07708	-0.21768	-0.15345	0.01410	-0.30409
-0.377 - -0.221	-0.30836	-0.23143	-0.37126	-0.31184	-0.13485	-0.45852
-0.532 - -0.377	-0.44996	-0.38114	-0.52573	-0.54327	-0.32636	-0.76554
-0.688 - -0.532	-0.59223	-0.53280	-0.68681	-0.73801	-0.45852	-1.03562
-0.844 - -0.688	-0.77057	-0.71694	-0.82049	-0.88663	-0.72860	-1.09174
-1.000 - -0.844	-0.93236	-0.87114	-0.99676	-1.06366	-0.93451	-1.29040
-1.155 - -1.000	-1.08460	-1.00121	-1.15449	-1.25599	-1.07980	-1.29040
-1.311 - -1.155	-1.22146	-1.15660	-1.31099	-1.28719	-1.15235	-1.29040

## Node=Gradient Boosting Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.679 - 1.838	1.83839	1.83839	1.83839	1.82242	1.82242	1.82242
1.520 - 1.679	1.61203	1.66394	1.52966	1.74725	1.86701	1.65655
1.360 - 1.520	1.43837	1.51331	1.38200	1.56037	1.77106	1.43146
1.201 - 1.360	1.27111	1.34925	1.20232	1.41899	1.84202	1.23607
1.042 - 1.201	1.10603	1.19192	1.04742	1.21872	1.41251	1.08384
0.883 - 1.042	0.96870	1.03431	0.88599	1.13695	1.34565	0.85495
0.723 - 0.883	0.81026	0.87965	0.72386	0.88678	1.02925	0.71868
0.564 - 0.723	0.65535	0.71129	0.58513	0.73473	0.91488	0.55237
0.405 - 0.564	0.47304	0.54720	0.41025	0.52465	0.79170	0.33895
0.245 - 0.405	0.33337	0.39131	0.24576	0.37119	0.57270	0.24534
0.086 - 0.245	0.16309	0.24199	0.08907	0.16698	0.33009	0.00046
-0.073 - 0.086	-0.00107	0.08531	-0.05936	0.00434	0.17117	-0.18592
-0.233 - -0.073	-0.15063	-0.07925	-0.22076	-0.14486	0.04068	-0.32046
-0.392 - -0.233	-0.28810	-0.23711	-0.34280	-0.32336	-0.16851	-0.45852
-0.551 - -0.392	-0.46539	-0.39292	-0.54079	-0.54666	-0.34939	-0.71673
-0.710 - -0.551	-0.65704	-0.58375	-0.70391	-0.74879	-0.56812	-0.98338
-0.870 - -0.710	-0.78182	-0.71373	-0.86927	-0.90863	-0.69337	-1.15235
-1.029 - -0.870	-0.95537	-0.87617	-1.02025	-1.14663	-0.98338	-1.29040
-1.188 - -1.029	-1.12716	-1.03724	-1.18798	-1.28440	-1.15235	-1.29040
-1.348 - -1.188	-1.23683	-1.19354	-1.34771	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Score Distributions

Group=\_fold\_=8 Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.694 - 1.854	1.77535	1.85351	1.69719	1.88595	1.92987	1.84202
1.535 - 1.694	1.60129	1.64296	1.54988	1.77246	1.86701	1.69276
1.375 - 1.535	1.42007	1.47663	1.37924	1.51640	1.61852	1.40177
1.216 - 1.375	1.30624	1.37174	1.21654	1.45826	1.65655	1.31292
1.056 - 1.216	1.13324	1.20193	1.05975	1.25791	1.46801	1.08384
0.897 - 1.056	0.97428	1.05472	0.90326	1.10175	1.22737	0.98555
0.737 - 0.897	0.80337	0.85712	0.74645	0.88477	1.02925	0.81845
0.578 - 0.737	0.66065	0.72789	0.57964	0.74115	0.85495	0.53897
0.418 - 0.578	0.49536	0.56053	0.44012	0.58203	0.79170	0.37720
0.259 - 0.418	0.35085	0.41801	0.26346	0.39435	0.63414	0.25719
0.099 - 0.259	0.19067	0.25809	0.09992	0.20342	0.40630	0.04068
-0.060 - 0.099	0.01782	0.09713	-0.05113	0.01837	0.17117	-0.16851
-0.220 - -0.060	-0.12603	-0.07791	-0.20600	-0.14520	-0.01343	-0.32046
-0.379 - -0.220	-0.30013	-0.25529	-0.36095	-0.30781	-0.16851	-0.39330
-0.538 - -0.379	-0.44048	-0.38224	-0.53570	-0.51416	-0.36374	-0.68686
-0.698 - -0.538	-0.62632	-0.56751	-0.69743	-0.71400	-0.56812	-0.93451
-0.857 - -0.698	-0.75710	-0.71014	-0.82460	-0.85671	-0.69337	-0.98338
-1.017 - -0.857	-0.95065	-0.86286	-1.01606	-1.07408	-0.88095	-1.29040
-1.176 - -1.017	-1.10509	-1.01721	-1.17359	-1.26087	-1.07980	-1.29040
-1.336 - -1.176	-1.22471	-1.18340	-1.33580	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.690 - 1.851	1.78371	1.85147	1.71595	1.89844	1.92987	1.86701
1.529 - 1.690	1.56891	1.62105	1.54218	1.73240	1.82242	1.56639
1.368 - 1.529	1.44431	1.52264	1.37165	1.58537	1.84202	1.31292
1.207 - 1.368	1.27860	1.35270	1.21435	1.42605	1.53621	1.33391
1.046 - 1.207	1.12373	1.20193	1.05108	1.24697	1.46404	1.08384
0.885 - 1.046	0.96018	1.03116	0.91499	1.08217	1.24818	0.85049
0.724 - 0.885	0.78567	0.85645	0.72573	0.60282	1.13831	-1.29040
0.563 - 0.724	0.65398	0.72327	0.59035	0.47993	0.85495	-1.29040
0.402 - 0.563	0.48636	0.55100	0.40496	0.53919	1.43759	-1.15235
0.241 - 0.402	0.31363	0.39792	0.24199	0.29451	1.24620	-1.29040
0.080 - 0.241	0.15157	0.23866	0.08253	0.03893	0.82644	-1.29040
-0.081 - 0.080	0.00174	0.07073	-0.07507	-0.01255	1.44384	-1.29040
-0.242 - -0.081	-0.15239	-0.09117	-0.23894	-0.23175	1.77106	-1.29040
-0.403 - -0.242	-0.32774	-0.26589	-0.39507	-0.39998	0.82050	-1.29040
-0.564 - -0.403	-0.47370	-0.41556	-0.54268	-0.33661	1.73571	-0.88860
-0.726 - -0.564	-0.64605	-0.56751	-0.72489	-0.62713	0.93917	-1.29040
-0.887 - -0.726	-0.80576	-0.72722	-0.88064	-0.72111	0.97422	-1.29040
-1.048 - -0.887	-1.00431	-0.88805	-1.04599	-1.16580	-0.94788	-1.29040
-1.209 - -1.048	-1.14232	-1.04821	-1.20845	-1.27310	-1.03562	-1.29040
-1.370 - -1.209	-1.26239	-1.20912	-1.36979	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	344
2	^(fold_=2)	339
3	^(fold_=3)	344
4	^(fold_=4)	342
5	^(fold_=5)	339
6	^(fold_=6)	338
7	^(fold_=7)	350
8	^(fold_=8)	355

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp9  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp9 => Boost3 => EndGrp9  
 Notes =

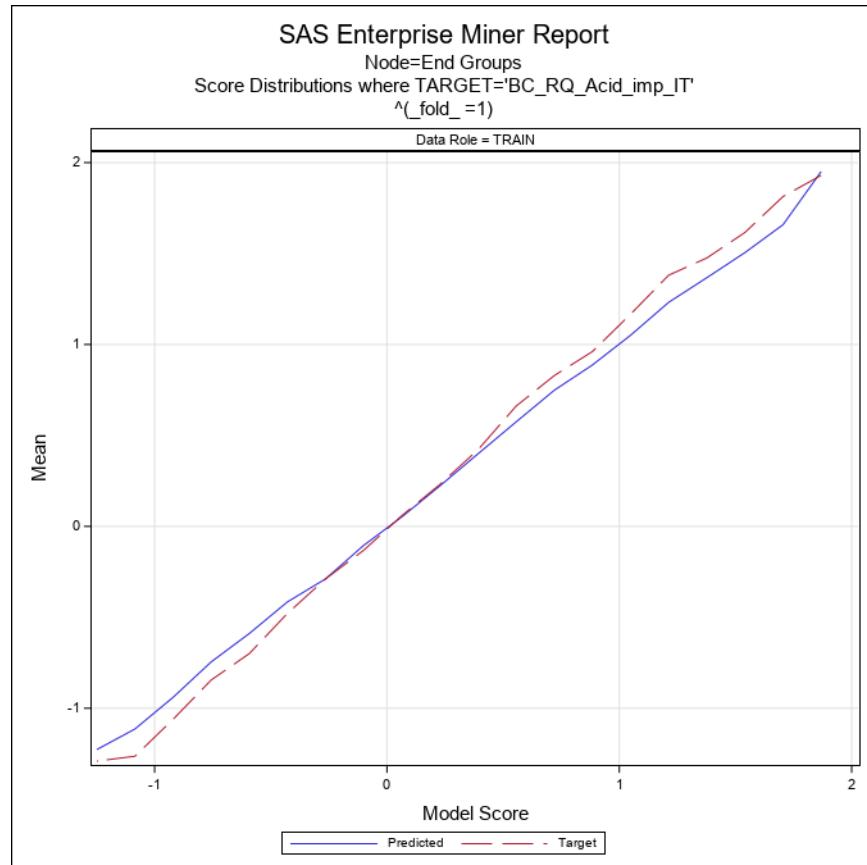
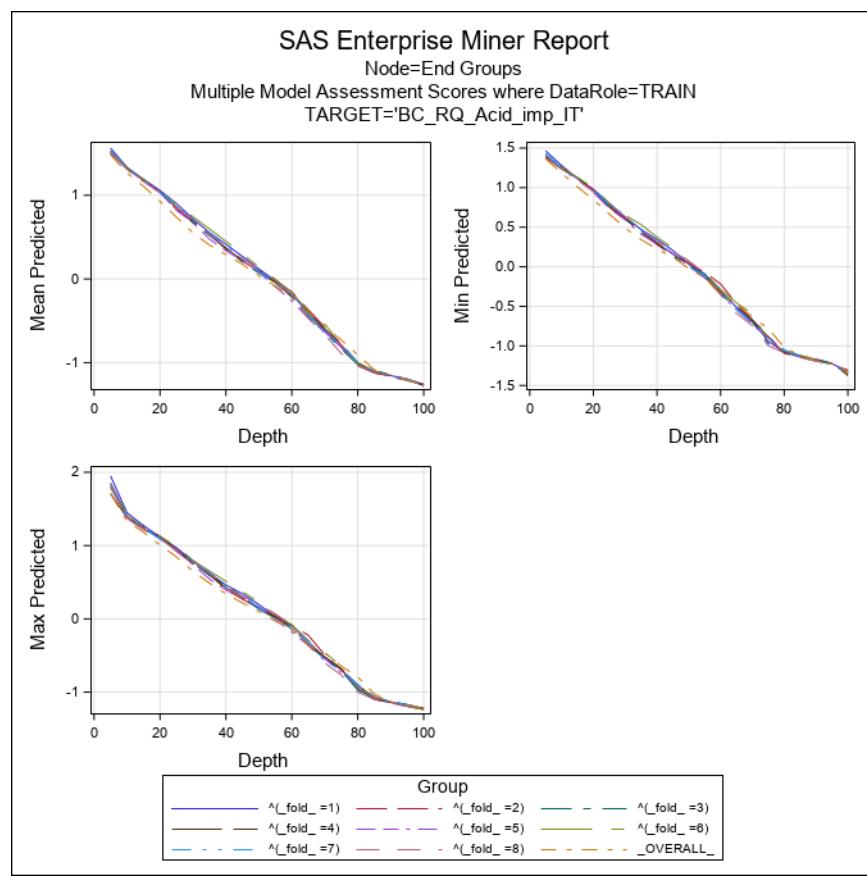
### Node=End Groups Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

### Node=End Groups Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAtot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Times Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Degrees of Freedom	Train: Total Degrees of Freedom	Target Label
1	^(fold_=1)	Boost3	BC_RQ_Acid_imp_IT	348	348	0.36881	5.1219	0.01472	0.12132	348	348	348	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	Boost3	BC_RQ_Acid_imp_IT	344	344	0.36871	5.0922	0.01480	0.12167	344	344	344	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	Boost3	BC_RQ_Acid_imp_IT	337	337	0.41029	5.4109	0.01606	0.12671	337	337	337	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	Boost3	BC_RQ_Acid_imp_IT	340	340	0.40314	5.4695	0.01609	0.12683	340	340	340	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	Boost3	BC_RQ_Acid_imp_IT	337	337	0.43145	5.8467	0.01735	0.13172	337	337	337	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	Boost3	BC_RQ_Acid_imp_IT	335	335	0.50707	5.9624	0.01780	0.13341	335	335	335	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	Boost3	BC_RQ_Acid_imp_IT	349	349	0.46595	6.1671	0.01767	0.13293	349	349	349	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	Boost3	BC_RQ_Acid_imp_IT	336	336	0.34973	5.1110	0.01521	0.12333	336	336	336	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	393	.	2.36476	54.9262	0.13976	0.37385	393	.	.	ReQuest (acid subscale) (Box-Cox transformed)

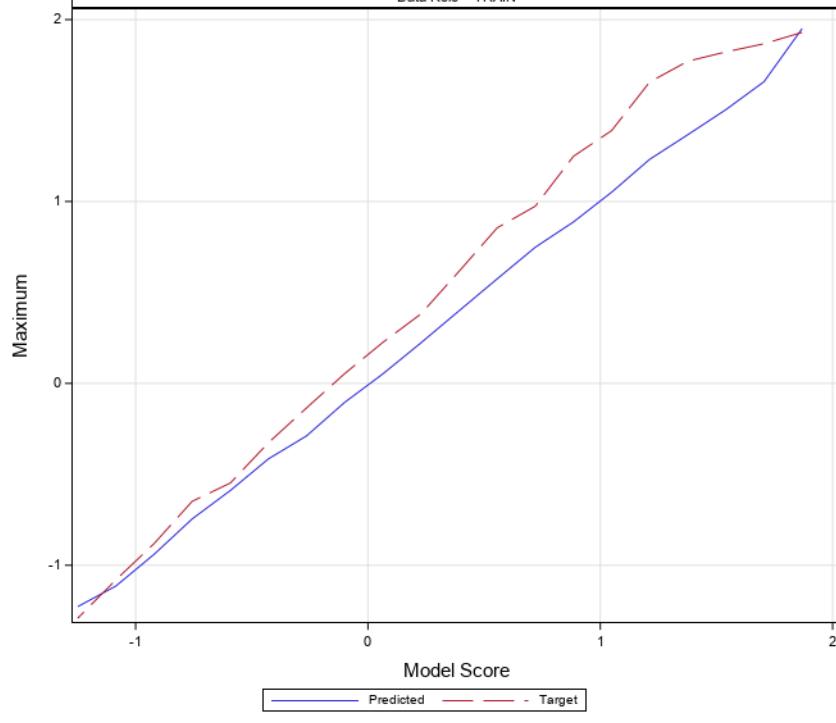


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

Data Role = TRAIN

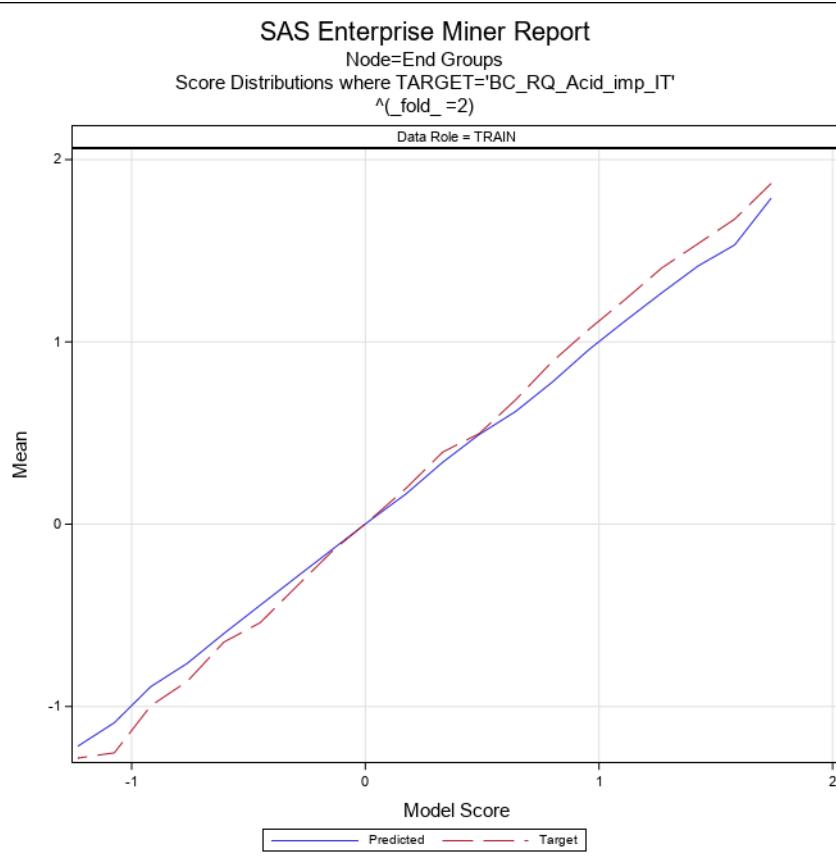


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

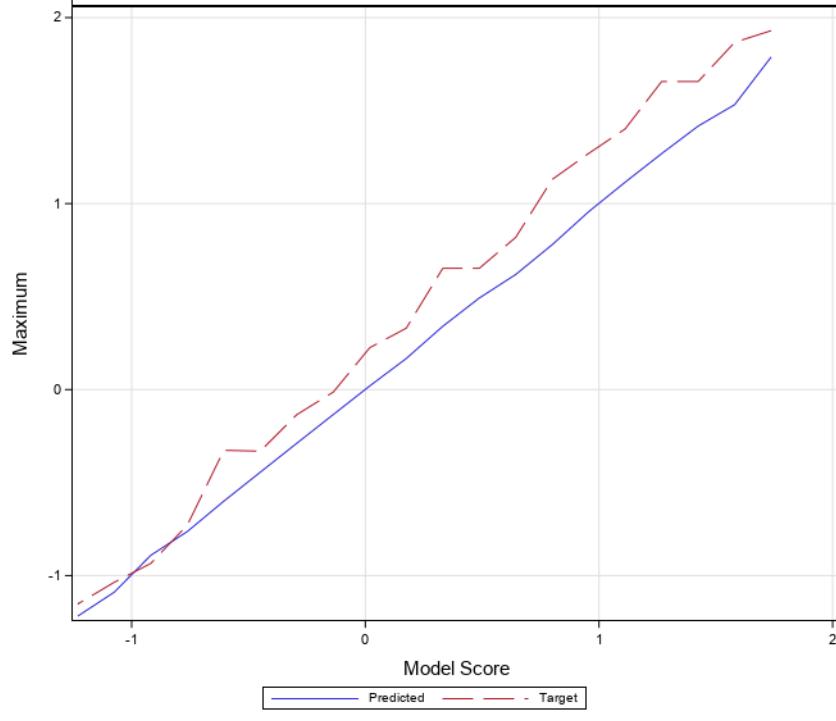


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

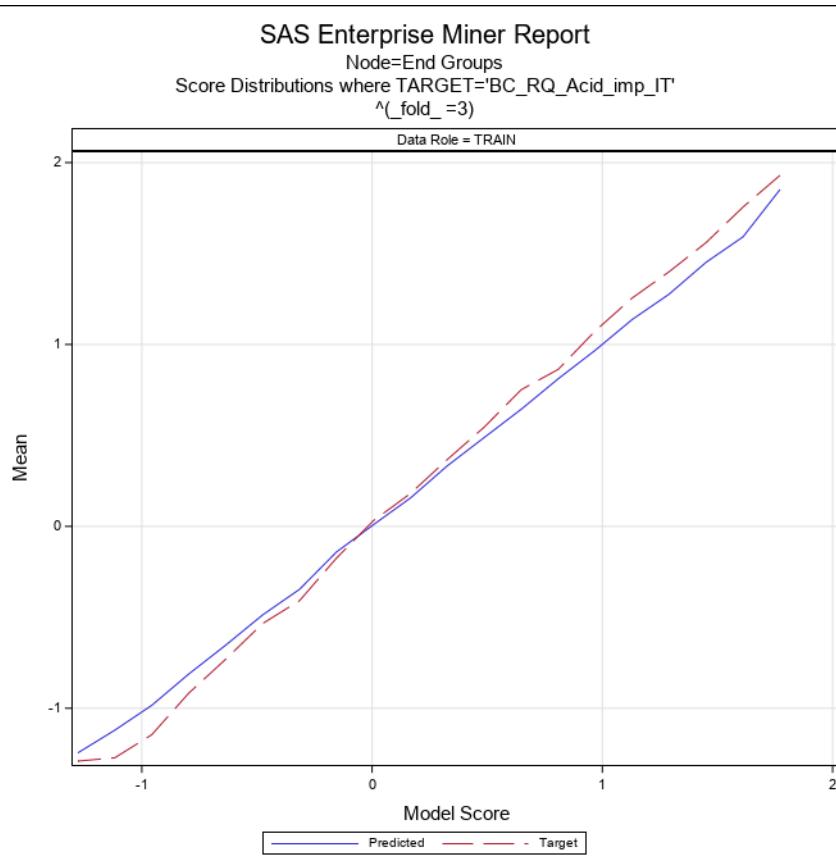
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

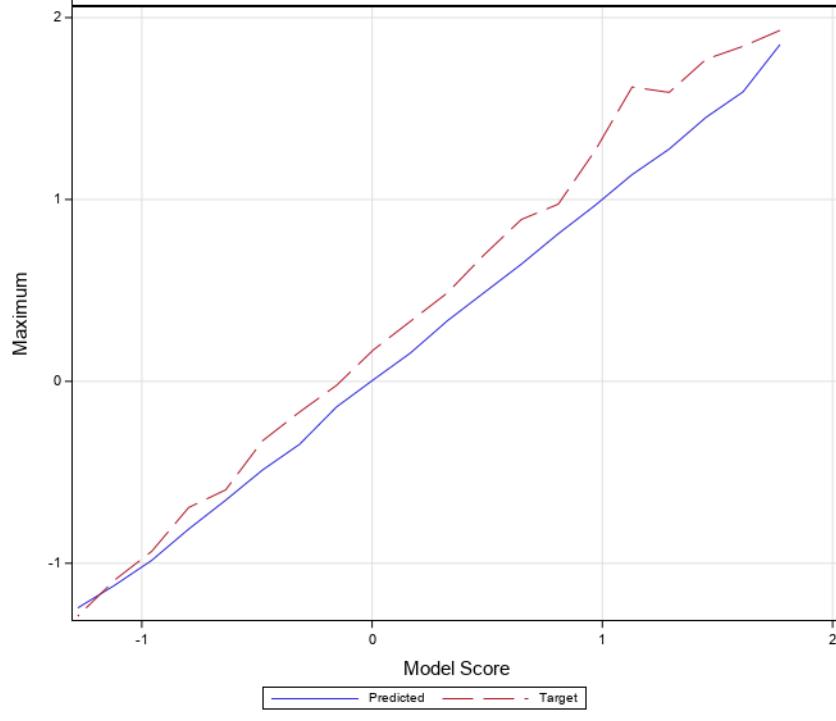


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

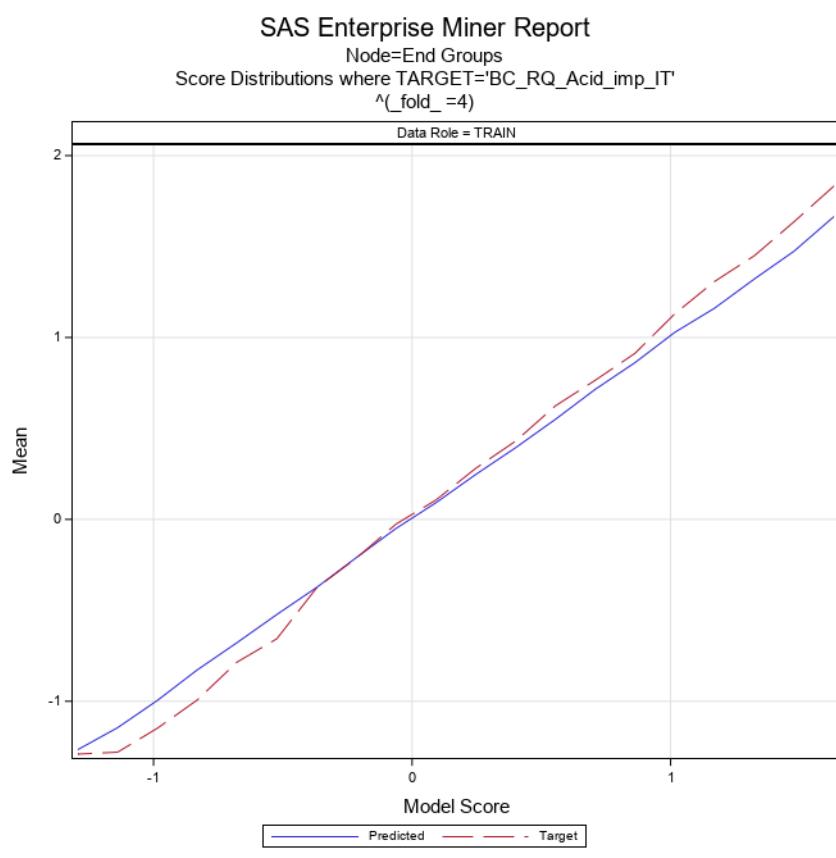
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

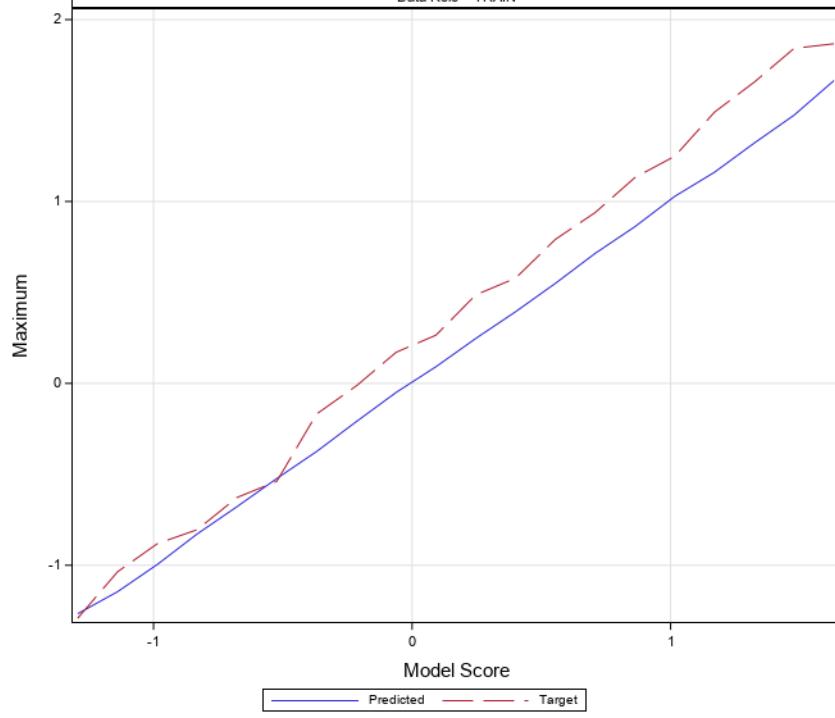


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

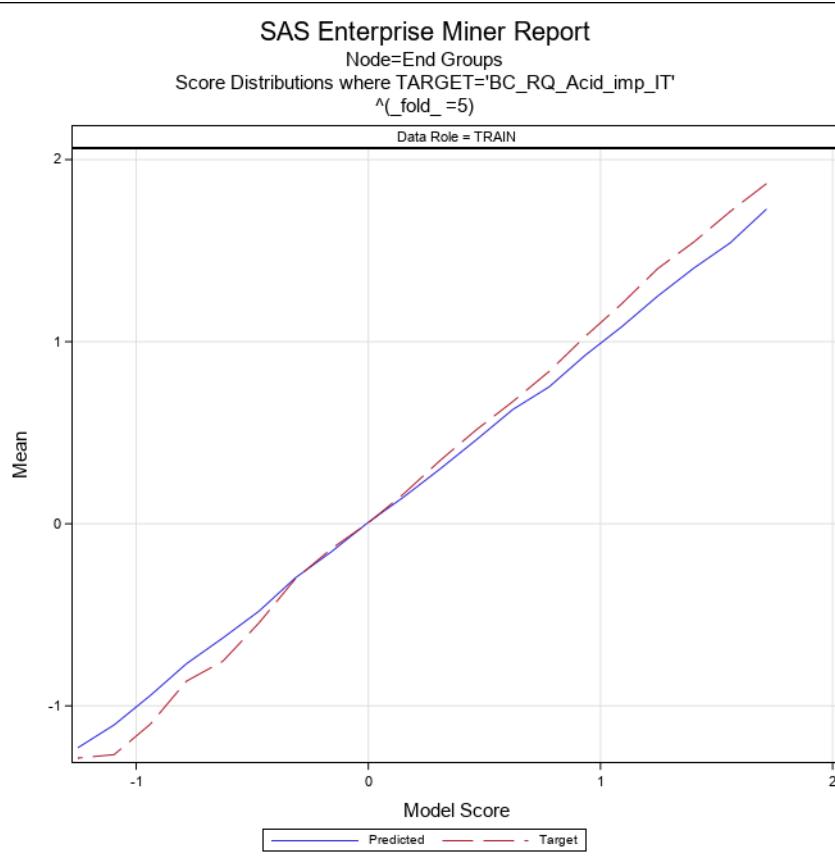
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

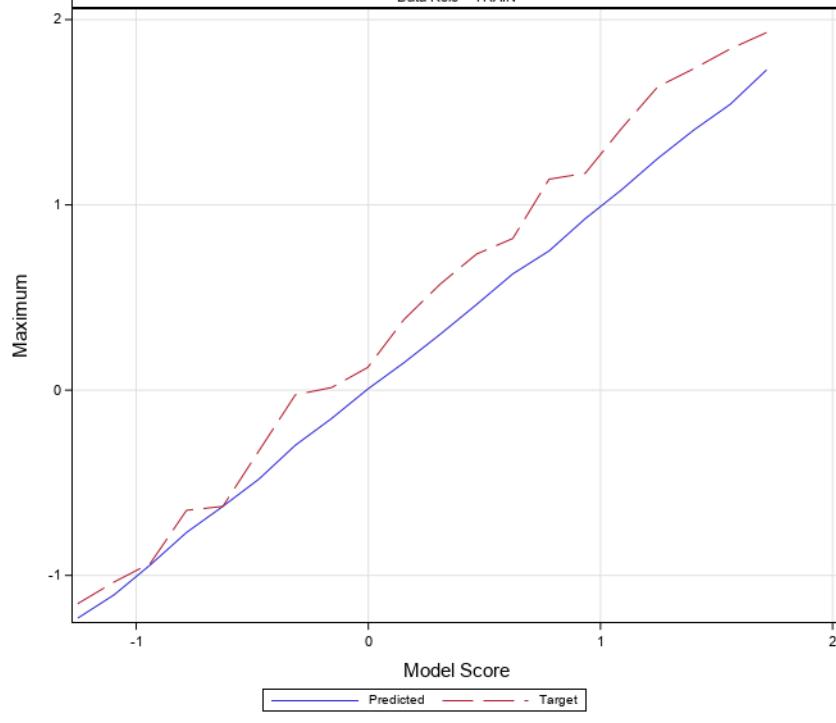


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

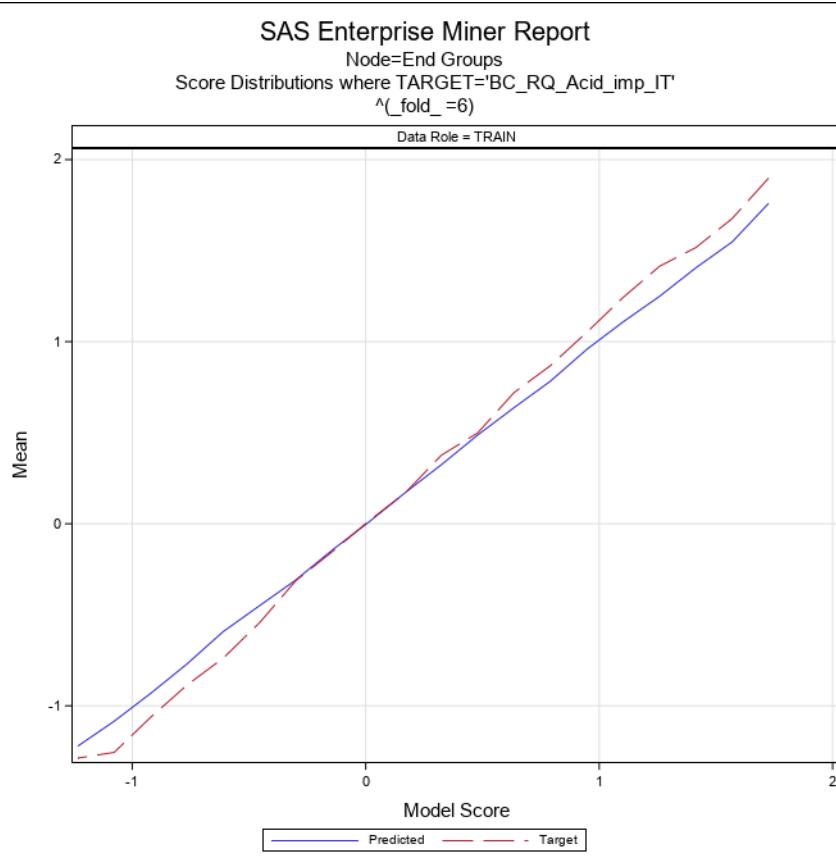
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

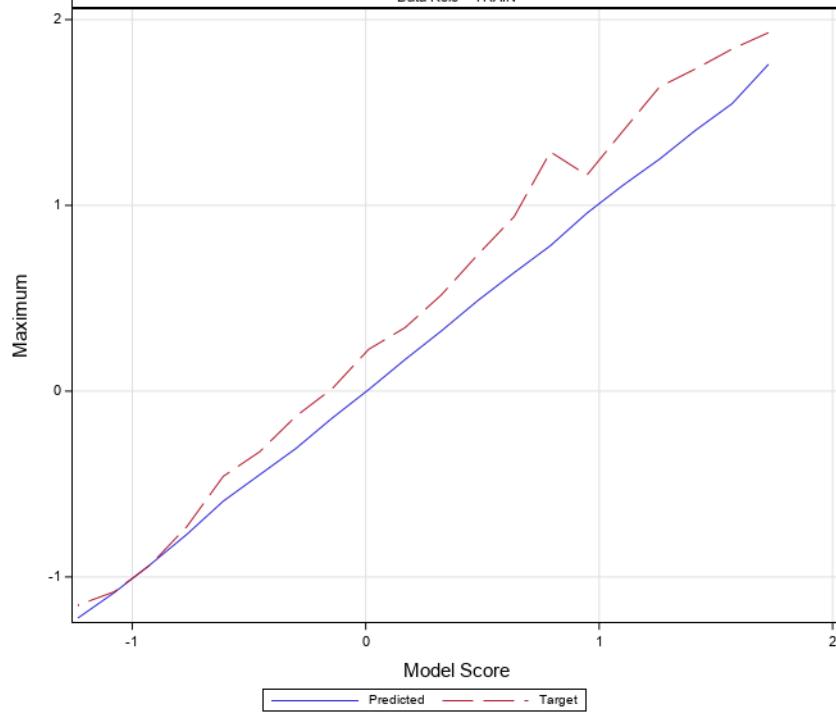


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

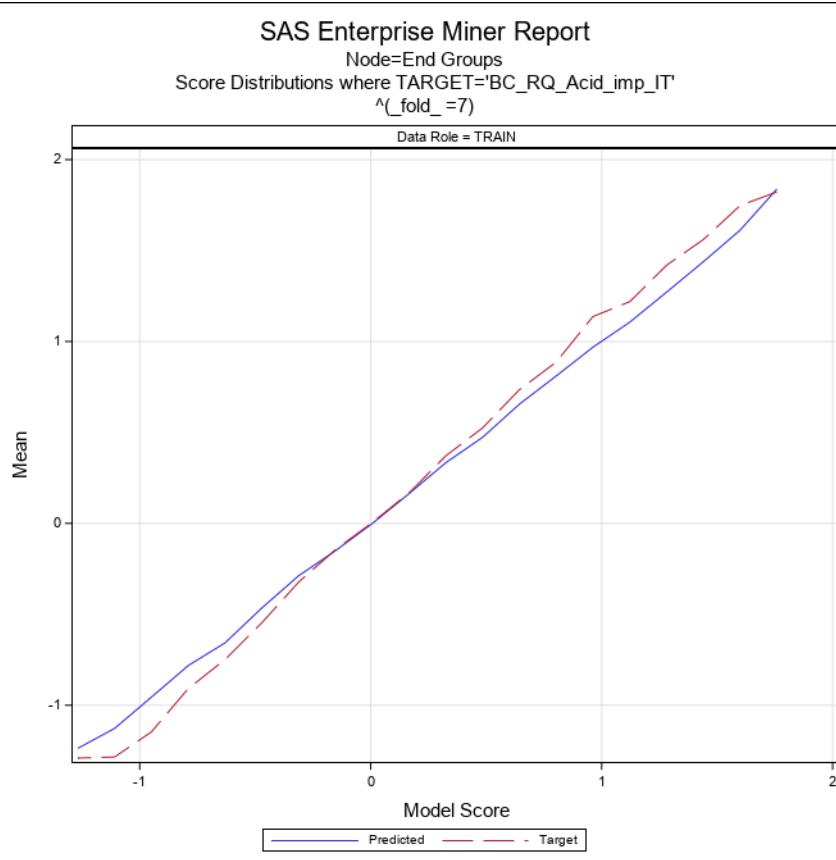


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

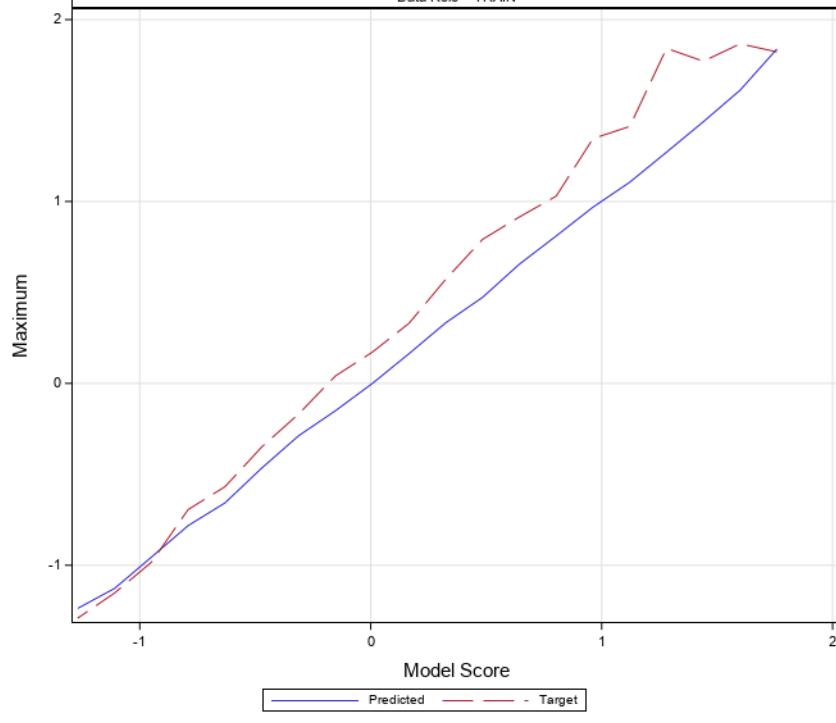


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

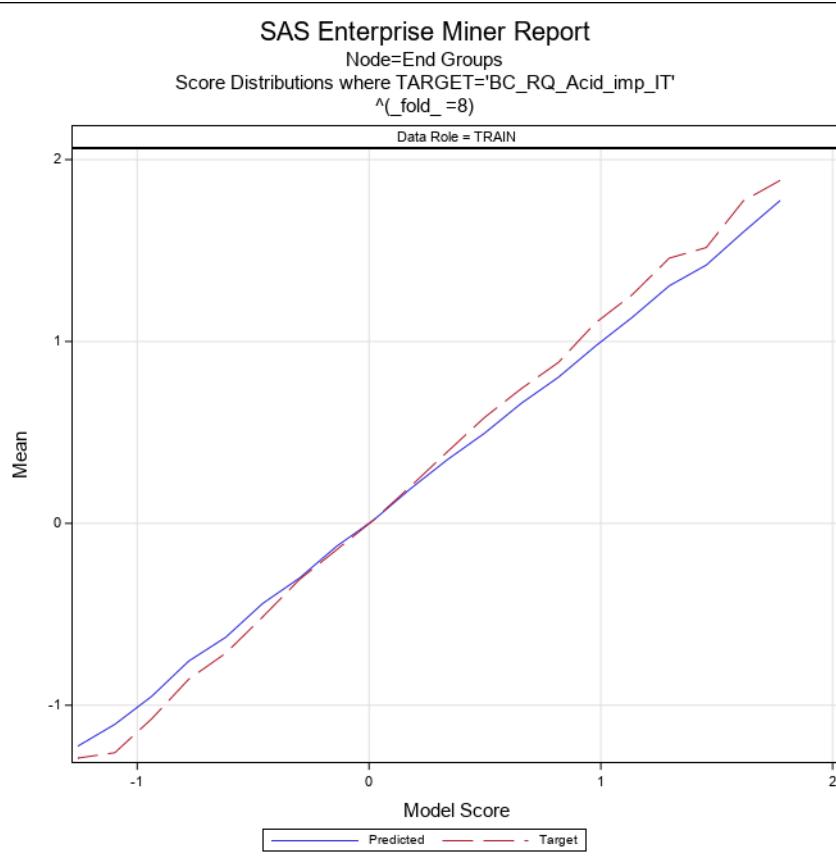
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

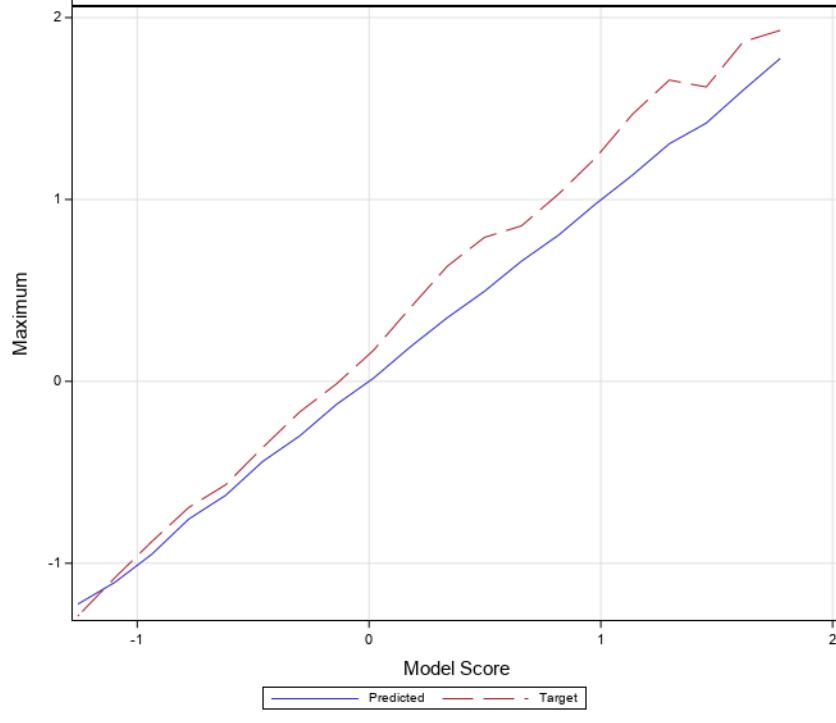


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

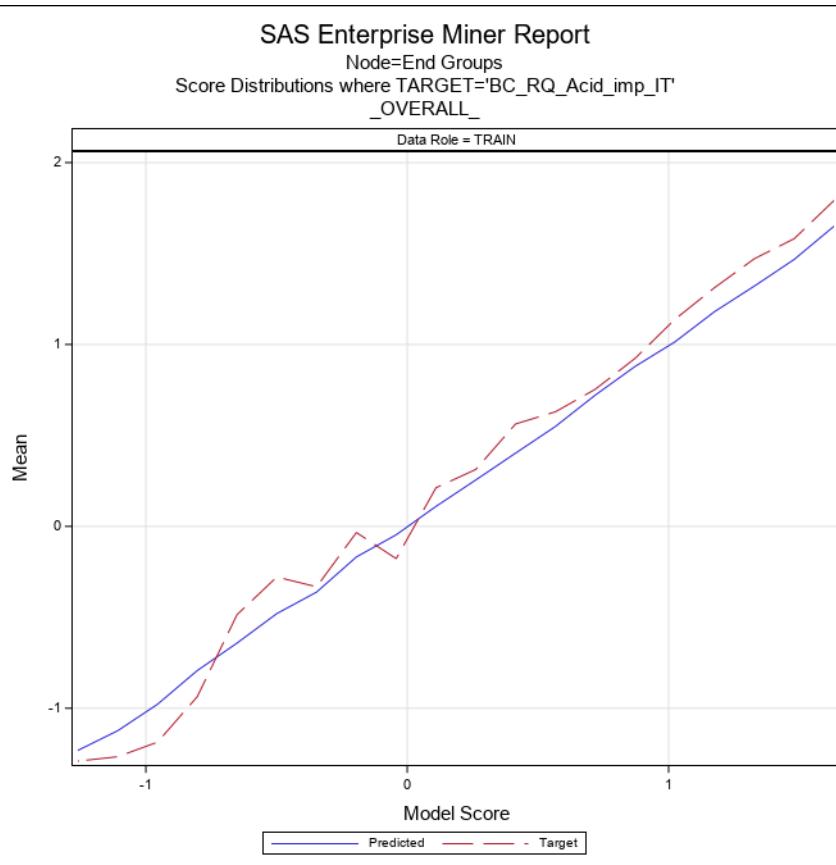
Data Role = TRAIN

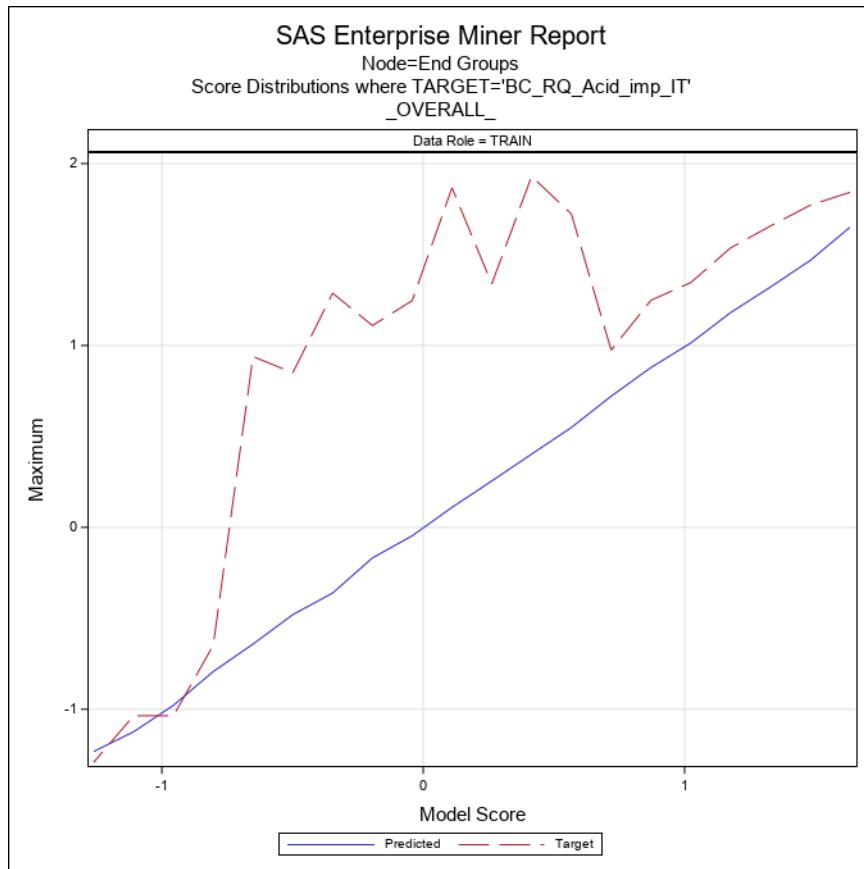
**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### **Node=End Groups Score Distributions**

Group=^(\_fold\_=1) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.787 - 1.951	1.95070	1.95070	1.95070	1.92987	1.92987	1.92987
1.623 - 1.787	1.65855	1.67268	1.64143	1.81328	1.86701	1.73571
1.458 - 1.623	1.50508	1.57522	1.46470	1.61570	1.82242	1.49143
1.294 - 1.458	1.36693	1.44704	1.30215	1.47547	1.77106	1.33863
1.130 - 1.294	1.23168	1.28831	1.13807	1.38086	1.65655	1.08384
0.966 - 1.130	1.05054	1.12492	0.96635	1.16641	1.38921	0.98555
0.802 - 0.966	0.88731	0.96005	0.80815	0.96104	1.24818	0.83692
0.638 - 0.802	0.74835	0.80130	0.69374	0.82921	0.97422	0.71868
0.474 - 0.638	0.57454	0.63322	0.47617	0.66156	0.85495	0.47553
0.310 - 0.474	0.39896	0.47111	0.31175	0.42157	0.61604	0.25719
0.146 - 0.310	0.22271	0.30925	0.15600	0.23056	0.38174	0.06961
-0.018 - 0.146	0.05199	0.13322	-0.00260	0.05884	0.22515	-0.07171
-0.182 - -0.018	-0.10447	-0.02157	-0.16132	-0.13140	0.05362	-0.30409
-0.346 - -0.182	-0.28860	-0.19764	-0.34593	-0.28879	-0.13485	-0.45852
-0.510 - -0.346	-0.41517	-0.34974	-0.47798	-0.47845	-0.32636	-0.69337
-0.674 - -0.510	-0.58900	-0.51075	-0.65887	-0.69934	-0.54790	-0.88860
-0.838 - -0.674	-0.74513	-0.67981	-0.82091	-0.84468	-0.64842	-1.03562
-1.003 - -0.838	-0.93990	-0.84725	-0.98963	-1.06075	-0.88095	-1.29040
-1.167 - -1.003	-1.11394	-1.01320	-1.16629	-1.26377	-1.07980	-1.29040
-1.331 - -1.167	-1.22716	-1.16713	-1.33066	-1.29040	-1.29040	-1.29040

### **Node=End Groups Score Distributions**

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.659 - 1.815	1.78804	1.81485	1.76122	1.86912	1.92987	1.80838
1.503 - 1.659	1.53179	1.58818	1.50481	1.67337	1.86701	1.46404
1.346 - 1.503	1.41676	1.50249	1.35556	1.53916	1.65655	1.43146
1.190 - 1.346	1.26882	1.34600	1.19282	1.40512	1.65655	1.22737
1.034 - 1.190	1.11522	1.18092	1.03930	1.23290	1.40177	1.08384
0.878 - 1.034	0.95662	1.02995	0.88081	1.06830	1.26974	0.86781
0.722 - 0.878	0.77901	0.86747	0.73430	0.89167	1.12996	0.73451
0.566 - 0.722	0.61880	0.70877	0.56762	0.68290	0.81845	0.53897
0.409 - 0.566	0.49208	0.54616	0.44803	0.49709	0.65182	0.36845
0.253 - 0.409	0.33997	0.40066	0.25375	0.39573	0.65182	0.18307
0.097 - 0.253	0.16716	0.25219	0.09890	0.19820	0.33009	0.06635
-0.059 - 0.097	0.01976	0.08253	-0.03958	0.02209	0.22515	-0.18592
-0.215 - -0.059	-0.13429	-0.05946	-0.21391	-0.14300	-0.01343	-0.29971
-0.371 - -0.215	-0.28864	-0.21599	-0.36335	-0.34010	-0.13485	-0.45852
-0.528 - -0.371	-0.44413	-0.37228	-0.49758	-0.53976	-0.33103	-0.71673
-0.684 - -0.528	-0.59994	-0.52793	-0.67099	-0.64700	-0.32636	-0.98338
-0.840 - -0.684	-0.76303	-0.69445	-0.82833	-0.86209	-0.72860	-1.09174
-0.996 - -0.840	-0.89090	-0.86013	-0.94209	-0.99584	-0.93451	-1.07430
-1.152 - -0.996	-1.08892	-0.99631	-1.14293	-1.25408	-1.03562	-1.29040
-1.308 - -1.152	-1.21767	-1.15647	-1.30840	-1.28286	-1.15235	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.691 - 1.851	1.85147	1.85147	1.85147	1.92987	1.92987	1.92987
1.531 - 1.691	1.59177	1.65398	1.54948	1.75540	1.84202	1.54878
1.370 - 1.531	1.45172	1.51560	1.38403	1.56005	1.77106	1.39306
1.210 - 1.370	1.27680	1.35224	1.21435	1.40004	1.58869	1.14239
1.049 - 1.210	1.13709	1.20823	1.07463	1.25532	1.61852	1.08384
0.889 - 1.049	0.96801	1.04059	0.88914	1.07442	1.26974	0.85049
0.728 - 0.889	0.81156	0.88614	0.74669	0.86325	0.97422	0.79471
0.568 - 0.728	0.64416	0.72573	0.57529	0.75162	0.88977	0.53897
0.407 - 0.568	0.48896	0.56281	0.41257	0.54631	0.69704	0.36155
0.247 - 0.407	0.33318	0.40496	0.24723	0.36783	0.48660	0.18307
0.086 - 0.247	0.15591	0.24477	0.08661	0.18079	0.33009	-0.07171
-0.074 - 0.086	0.00926	0.08285	-0.07126	0.03154	0.17344	-0.24068
-0.235 - -0.074	-0.14058	-0.07628	-0.20617	-0.17431	-0.02189	-0.30409
-0.395 - -0.235	-0.34593	-0.29569	-0.39507	-0.40819	-0.16851	-0.56687
-0.556 - -0.395	-0.48695	-0.42331	-0.55291	-0.53430	-0.32636	-0.76554
-0.716 - -0.556	-0.65330	-0.60057	-0.70851	-0.73051	-0.59657	-0.88860
-0.877 - -0.716	-0.81198	-0.72795	-0.87237	-0.91736	-0.69337	-1.11166
-1.037 - -0.877	-0.98397	-0.89755	-1.03543	-1.14563	-0.93451	-1.29040
-1.197 - -1.037	-1.12057	-1.04048	-1.19708	-1.27223	-1.09174	-1.29040
-1.358 - -1.197	-1.24540	-1.19787	-1.35795	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.555 - 1.709	1.66473	1.70864	1.63859	1.83260	1.86701	1.80838
1.401 - 1.555	1.47482	1.53834	1.42589	1.63689	1.84202	1.50288
1.247 - 1.401	1.32152	1.39634	1.24825	1.44945	1.65655	1.24620
1.093 - 1.247	1.16106	1.24527	1.11697	1.30799	1.49143	1.08384
0.939 - 1.093	1.02826	1.08223	0.95492	1.13006	1.24885	0.98555
0.785 - 0.939	0.86165	0.93464	0.79850	0.91273	1.13168	0.80905
0.631 - 0.785	0.71474	0.77701	0.64326	0.76461	0.93917	0.53897
0.477 - 0.631	0.54984	0.62136	0.48022	0.62393	0.79170	0.36845
0.323 - 0.477	0.39391	0.45844	0.32477	0.43018	0.57848	0.30288
0.169 - 0.323	0.24698	0.31861	0.17052	0.28091	0.48660	0.13591
0.016 - 0.169	0.09165	0.16288	0.02115	0.10657	0.26501	-0.02189
-0.138 - 0.016	-0.04951	0.00751	-0.13229	-0.02533	0.17117	-0.24068
-0.292 - -0.138	-0.20996	-0.13855	-0.28651	-0.21245	-0.01343	-0.39330
-0.446 - -0.292	-0.37451	-0.31597	-0.43152	-0.37694	-0.16851	-0.50236
-0.600 - -0.446	-0.52313	-0.44831	-0.58676	-0.65648	-0.53830	-0.88860
-0.754 - -0.600	-0.67779	-0.60405	-0.75243	-0.78486	-0.62748	-1.03562
-0.908 - -0.754	-0.82769	-0.77874	-0.88727	-0.99314	-0.80438	-1.29040
-1.062 - -0.908	-0.99523	-0.91150	-1.05998	-1.14816	-0.88095	-1.29040
-1.216 - -1.062	-1.14515	-1.06556	-1.21458	-1.27987	-1.03562	-1.29040
-1.370 - -1.216	-1.26602	-1.21977	-1.36979	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.637 - 1.793	1.72825	1.79323	1.67489	1.86842	1.92987	1.80838
1.481 - 1.637	1.54299	1.61994	1.50235	1.71520	1.84202	1.56639
1.325 - 1.481	1.40479	1.47362	1.34573	1.54817	1.73571	1.40177
1.169 - 1.325	1.25070	1.31481	1.17111	1.40163	1.63777	1.08384
1.013 - 1.169	1.08117	1.14833	1.01343	1.20709	1.41251	0.98555
0.856 - 1.013	0.92580	1.00000	0.86162	1.02893	1.17083	0.87690
0.700 - 0.856	0.75140	0.85645	0.70275	0.83627	1.13831	0.69704
0.544 - 0.700	0.62746	0.69763	0.54488	0.67109	0.81845	0.53897
0.388 - 0.544	0.46219	0.53631	0.38939	0.51711	0.73451	0.31751
0.232 - 0.388	0.30194	0.38107	0.23427	0.34851	0.57270	0.16562
0.076 - 0.232	0.14855	0.21213	0.08599	0.16614	0.38174	-0.07171
-0.080 - 0.076	0.00595	0.06786	-0.07256	0.00296	0.12270	-0.16851
-0.236 - -0.080	-0.15315	-0.10760	-0.22100	-0.13645	0.01410	-0.24068
-0.393 - -0.236	-0.29739	-0.24607	-0.36199	-0.30293	-0.02557	-0.39330
-0.549 - -0.393	-0.47950	-0.39516	-0.54540	-0.54381	-0.32636	-0.76554
-0.705 - -0.549	-0.62737	-0.55044	-0.70126	-0.75483	-0.62748	-0.93451
-0.861 - -0.705	-0.76805	-0.71010	-0.85895	-0.86397	-0.64842	-1.29040
-1.017 - -0.861	-0.94306	-0.87719	-1.00437	-1.10061	-0.93451	-1.29040
-1.173 - -1.017	-1.10483	-1.01790	-1.17264	-1.26796	-1.03562	-1.29040
-1.329 - -1.173	-1.23032	-1.17519	-1.32935	-1.28686	-1.15235	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.648 - 1.803	1.75971	1.80347	1.71595	1.89844	1.92987	1.86701
1.492 - 1.648	1.54805	1.61571	1.49626	1.67668	1.84202	1.46404
1.336 - 1.492	1.40564	1.49148	1.34261	1.51672	1.73571	1.31292
1.181 - 1.336	1.24895	1.30194	1.19824	1.41398	1.63777	1.20526
1.025 - 1.181	1.10894	1.17566	1.04705	1.24317	1.40177	1.08384
0.869 - 1.025	0.95776	1.02366	0.87685	1.05139	1.16250	0.82644
0.713 - 0.869	0.78321	0.85236	0.72377	0.86846	1.28782	0.68341
0.558 - 0.713	0.63780	0.71069	0.56089	0.72061	0.93917	0.57270
0.402 - 0.558	0.48734	0.55047	0.42449	0.49922	0.73451	0.33009
0.246 - 0.402	0.32424	0.39896	0.24765	0.37647	0.51841	0.25719
0.091 - 0.246	0.16994	0.23923	0.09321	0.16826	0.34189	0.04068
-0.065 - 0.091	0.00859	0.07164	-0.06382	0.01436	0.22515	-0.24068
-0.221 - -0.065	-0.14430	-0.07708	-0.21768	-0.15345	0.01410	-0.30409
-0.377 - -0.221	-0.30836	-0.23143	-0.37126	-0.31184	-0.13485	-0.45852
-0.532 - -0.377	-0.44996	-0.38114	-0.52573	-0.54327	-0.32636	-0.76554
-0.688 - -0.532	-0.59223	-0.53280	-0.68681	-0.73801	-0.45852	-1.03562
-0.844 - -0.688	-0.77057	-0.71694	-0.82049	-0.88663	-0.72860	-1.09174
-1.000 - -0.844	-0.93236	-0.87114	-0.99676	-1.06366	-0.93451	-1.29040
-1.155 - -1.000	-1.08460	-1.00121	-1.15449	-1.25599	-1.07980	-1.29040
-1.311 - -1.155	-1.22146	-1.15660	-1.31099	-1.28719	-1.15235	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.679 - 1.838	1.83839	1.83839	1.83839	1.82242	1.82242	1.82242
1.520 - 1.679	1.61203	1.66394	1.52966	1.74725	1.86701	1.65655
1.360 - 1.520	1.43837	1.51331	1.38200	1.56037	1.77106	1.43146
1.201 - 1.360	1.27111	1.34925	1.20232	1.41899	1.84202	1.23607
1.042 - 1.201	1.10603	1.19192	1.04742	1.21872	1.41251	1.08384
0.883 - 1.042	0.96870	1.03431	0.88599	1.13695	1.34565	0.85495
0.723 - 0.883	0.81026	0.87965	0.72386	0.88678	1.02925	0.71868
0.564 - 0.723	0.65535	0.71129	0.58513	0.73473	0.91488	0.55237
0.405 - 0.564	0.47304	0.54720	0.41025	0.52465	0.79170	0.33895
0.245 - 0.405	0.33337	0.39131	0.24576	0.37119	0.57270	0.24534
0.086 - 0.245	0.16309	0.24199	0.08907	0.16698	0.33009	0.00046
-0.073 - 0.086	-0.00107	0.08531	-0.05936	0.00434	0.17117	-0.18592
-0.233 - -0.073	-0.15063	-0.07925	-0.22076	-0.14486	0.04068	-0.32046
-0.392 - -0.233	-0.28810	-0.23711	-0.34280	-0.32336	-0.16851	-0.45852
-0.551 - -0.392	-0.46539	-0.39292	-0.54079	-0.54666	-0.34939	-0.71673
-0.710 - -0.551	-0.65704	-0.58375	-0.70391	-0.74879	-0.56812	-0.98338
-0.870 - -0.710	-0.78182	-0.71373	-0.86927	-0.90863	-0.69337	-1.15235
-1.029 - -0.870	-0.95537	-0.87617	-1.02025	-1.14663	-0.98338	-1.29040
-1.188 - -1.029	-1.12716	-1.03724	-1.18798	-1.28440	-1.15235	-1.29040
-1.348 - -1.188	-1.23683	-1.19354	-1.34771	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.694 - 1.854	1.77535	1.85351	1.69719	1.88595	1.92987	1.84202
1.535 - 1.694	1.60129	1.64296	1.54988	1.77246	1.86701	1.69276
1.375 - 1.535	1.42007	1.47663	1.37924	1.51640	1.61852	1.40177
1.216 - 1.375	1.30624	1.37174	1.21654	1.45826	1.65655	1.31292
1.056 - 1.216	1.13324	1.20193	1.05975	1.25791	1.46801	1.08384
0.897 - 1.056	0.97428	1.05472	0.90326	1.10175	1.22737	0.98555
0.737 - 0.897	0.80337	0.85712	0.74645	0.88477	1.02925	0.81845
0.578 - 0.737	0.66065	0.72789	0.57964	0.74115	0.85495	0.53897
0.418 - 0.578	0.49536	0.56053	0.44012	0.58203	0.79170	0.37720
0.259 - 0.418	0.35085	0.41801	0.26346	0.39435	0.63414	0.25719
0.099 - 0.259	0.19067	0.25809	0.09992	0.20342	0.40630	0.04068
-0.060 - 0.099	0.01782	0.09713	-0.05113	0.01837	0.17117	-0.16851
-0.220 - -0.060	-0.12603	-0.07791	-0.20600	-0.14520	-0.01343	-0.32046
-0.379 - -0.220	-0.30013	-0.25529	-0.36095	-0.30781	-0.16851	-0.39330
-0.538 - -0.379	-0.44048	-0.38224	-0.53570	-0.51416	-0.36374	-0.68686
-0.698 - -0.538	-0.62632	-0.56751	-0.69743	-0.71400	-0.56812	-0.93451
-0.857 - -0.698	-0.75710	-0.71014	-0.82460	-0.85671	-0.69337	-0.98338
-1.017 - -0.857	-0.95065	-0.86286	-1.01606	-1.07408	-0.88095	-1.29040
-1.176 - -1.017	-1.10509	-1.01721	-1.17359	-1.26087	-1.07980	-1.29040
-1.336 - -1.176	-1.22471	-1.18340	-1.33580	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.556 - 1.709	1.64986	1.70864	1.56999	1.79140	1.84202	1.69276
1.404 - 1.556	1.46732	1.54373	1.41029	1.58131	1.77106	1.40177
1.252 - 1.404	1.32103	1.38157	1.26578	1.47129	1.65655	1.31292
1.100 - 1.252	1.18059	1.24945	1.11198	1.31235	1.53621	1.08384
0.947 - 1.100	1.01365	1.08223	0.94956	1.13764	1.34565	0.98555
0.795 - 0.947	0.87882	0.94507	0.79932	0.92308	1.24885	0.30288
0.643 - 0.795	0.72131	0.78782	0.64991	0.75337	0.97422	0.00046
0.491 - 0.643	0.54916	0.61104	0.49099	0.62972	1.72308	-0.30409
0.338 - 0.491	0.40264	0.48953	0.34167	0.56297	1.92987	-0.62748
0.186 - 0.338	0.25510	0.33812	0.18843	0.31296	1.33863	-1.15845
0.034 - 0.186	0.10988	0.17052	0.03524	0.21216	1.86701	-1.29040
-0.118 - 0.034	-0.04625	0.01970	-0.11695	-0.17757	1.24620	-1.29040
-0.271 - -0.118	-0.16815	-0.11871	-0.26296	-0.03380	1.10974	-1.29040
-0.423 - -0.271	-0.36114	-0.27093	-0.41793	-0.33238	1.28782	-1.29040
-0.575 - -0.423	-0.47962	-0.42405	-0.54268	-0.27837	0.84998	-0.88860
-0.727 - -0.575	-0.64161	-0.58233	-0.72302	-0.48545	0.93917	-0.93451
-0.880 - -0.727	-0.79284	-0.73428	-0.87770	-0.93669	-0.64842	-1.29040
-1.032 - -0.880	-0.97838	-0.88727	-1.02510	-1.18658	-1.03562	-1.29040
-1.184 - -1.032	-1.12367	-1.03659	-1.18335	-1.26666	-1.03562	-1.29040
-1.336 - -1.184	-1.23178	-1.18428	-1.33638	-1.29040	-1.29040	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	344
2	^(fold_=2)	339
3	^(fold_=3)	344
4	^(fold_=4)	342
5	^(fold_=5)	339
6	^(fold_=6)	338
7	^(fold_=7)	350
8	^(fold_=8)	355

## SAS Enterprise Miner Report

### Node=Gradient Boosting Tuned 2 Summary

Node id = Boost4  
 Node label = Gradient Boosting Tuned 2  
 Meta path = Ids => Trans => Grp10 => Boost4  
 Notes =

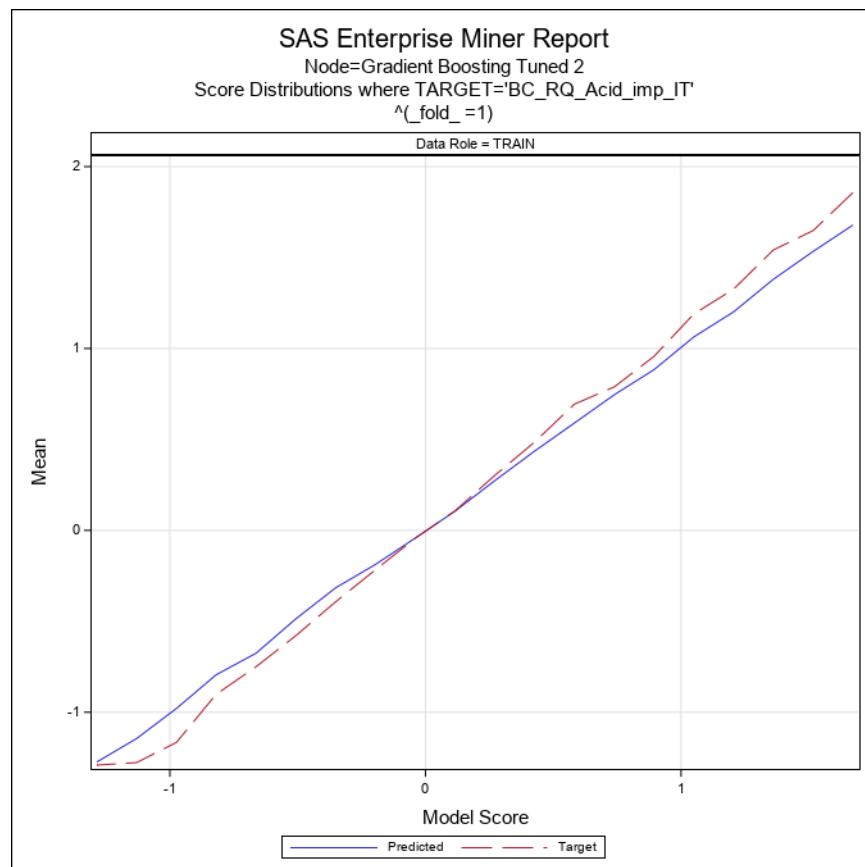
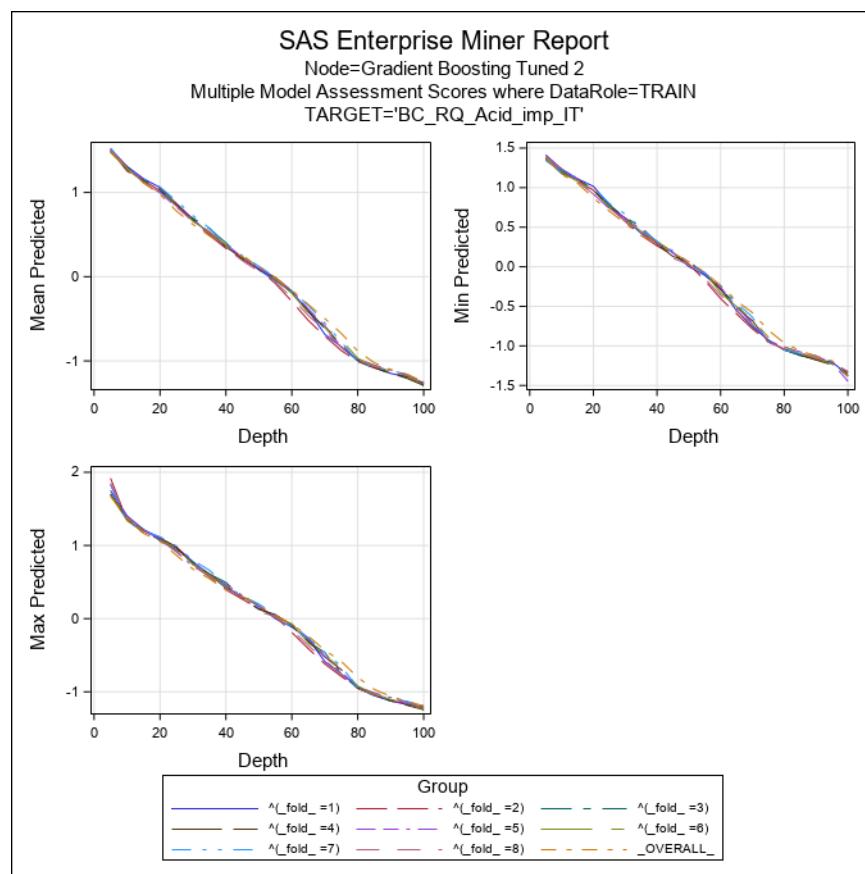
### Node=Gradient Boosting Tuned 2 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Boost		MaxBranch	3	2	Performance	DISK	
AssessMeasure	PROFIT		MaxDepth	6	2	Precision	0	
CategoricalBins	30		Measure	PROFIT		ReUseVar	2	1
CreateHStat	Y	N	MinCatSize	5		Seed	12345	
Exhaustive	5000		Missing	USEINSEARCH		Shrinkage	0.1	
Huber	NO		NSurrs	0		SplitSize	.	
IntervalBins	100		NodeSize	20000		SubSeries	BEST	
IterationNum	1		NumPairImp	0		ToolType	MODEL	
Iterations	50		NumSingleImp	5		TrainProportion	60	
LeafFraction	0.001		ObsImportance	Y	N	VarSelection	N	Y

### Node=Gradient Boosting Tuned 2 Variable Summary

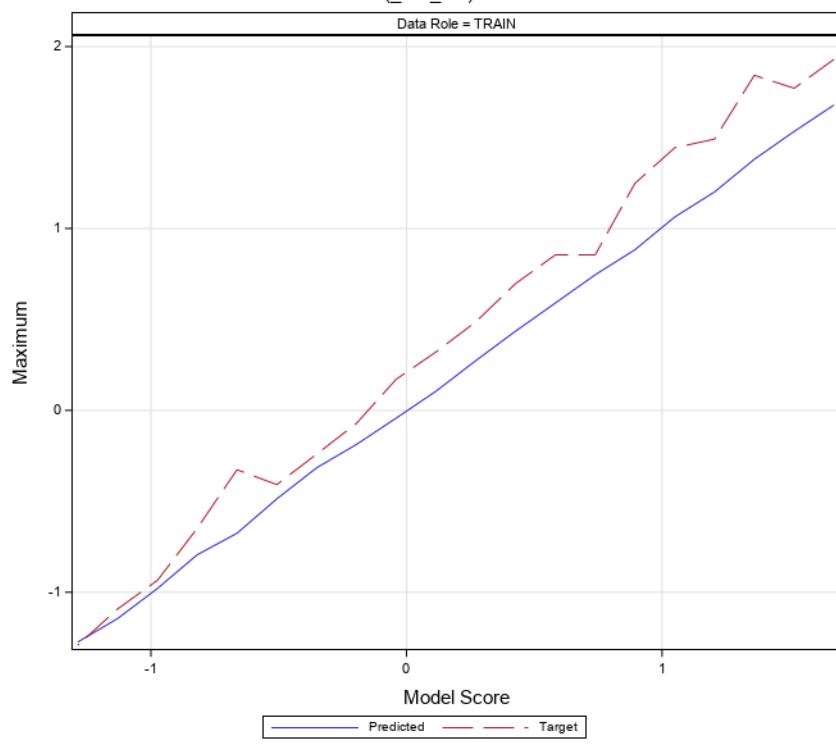
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

Group Index	Group	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Times Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Target Label
1	^(_fold_=1)	BC_RQ_Acid_imp_IT	341	341	0.48597	6.5366	0.01917	0.13845	341	341	ReQuest (acid subscale) (Box-Cox transformed)
2	^(_fold_=2)	BC_RQ_Acid_imp_IT	342	342	0.64754	7.9835	0.02334	0.15279	342	342	ReQuest (acid subscale) (Box-Cox transformed)
3	^(_fold_=3)	BC_RQ_Acid_imp_IT	351	351	0.40857	7.4304	0.02117	0.14550	351	351	ReQuest (acid subscale) (Box-Cox transformed)
4	^(_fold_=4)	BC_RQ_Acid_imp_IT	350	350	0.48511	7.9420	0.02269	0.15064	350	350	ReQuest (acid subscale) (Box-Cox transformed)
5	^(_fold_=5)	BC_RQ_Acid_imp_IT	359	359	0.40770	9.3289	0.02599	0.16120	359	359	ReQuest (acid subscale) (Box-Cox transformed)
6	^(_fold_=6)	BC_RQ_Acid_imp_IT	344	344	0.57079	8.9251	0.02595	0.16108	344	344	ReQuest (acid subscale) (Box-Cox transformed)
7	^(_fold_=7)	BC_RQ_Acid_imp_IT	341	341	0.48605	9.1040	0.02670	0.16340	341	341	ReQuest (acid subscale) (Box-Cox transformed)
8	^(_fold_=8)	BC_RQ_Acid_imp_IT	344	344	0.48450	8.1984	0.02383	0.15438	344	344	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	393	.	2.16618	73.9251	0.18810	0.43371	393	.	ReQuest (acid subscale) (Box-Cox transformed)

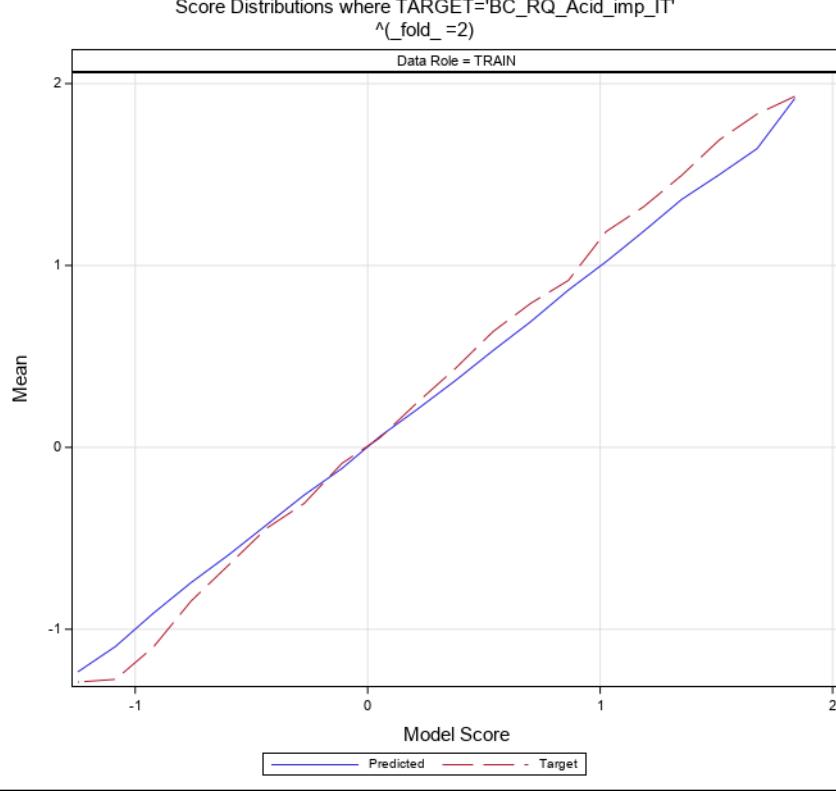


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

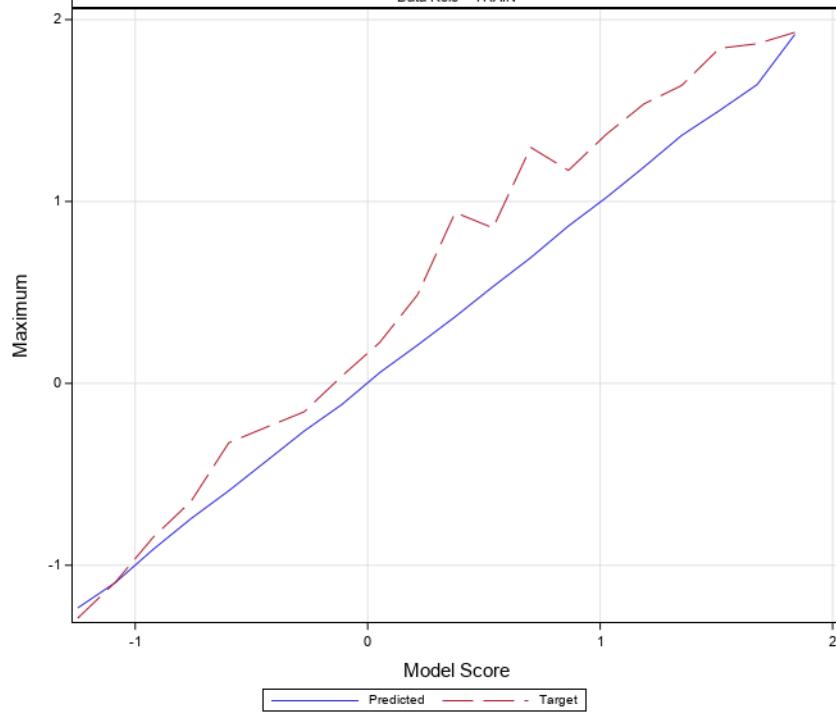


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

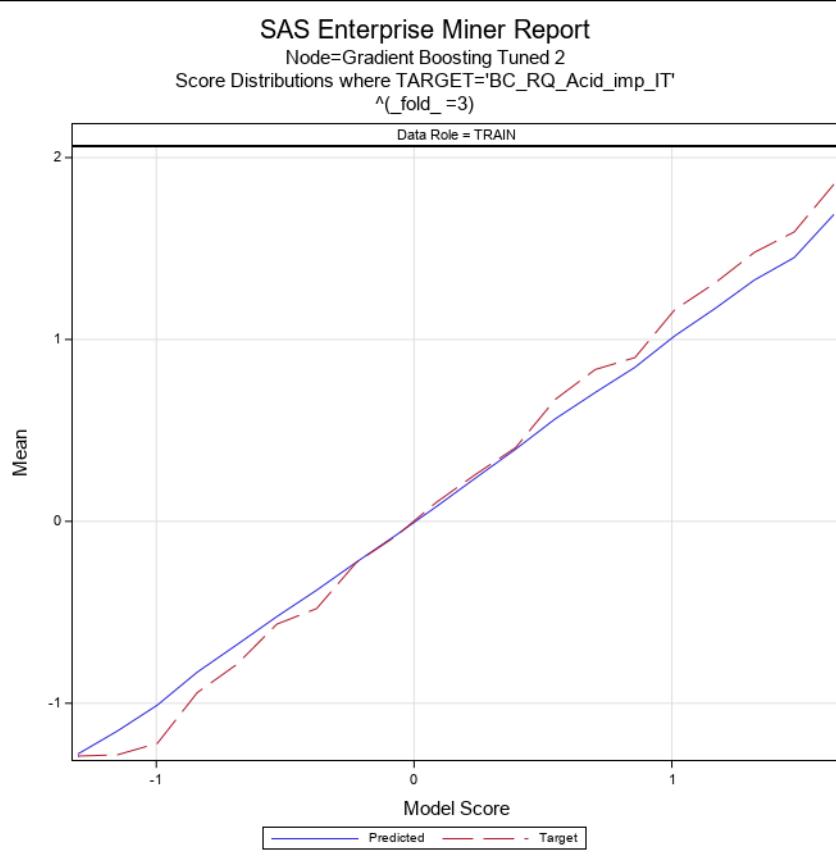
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

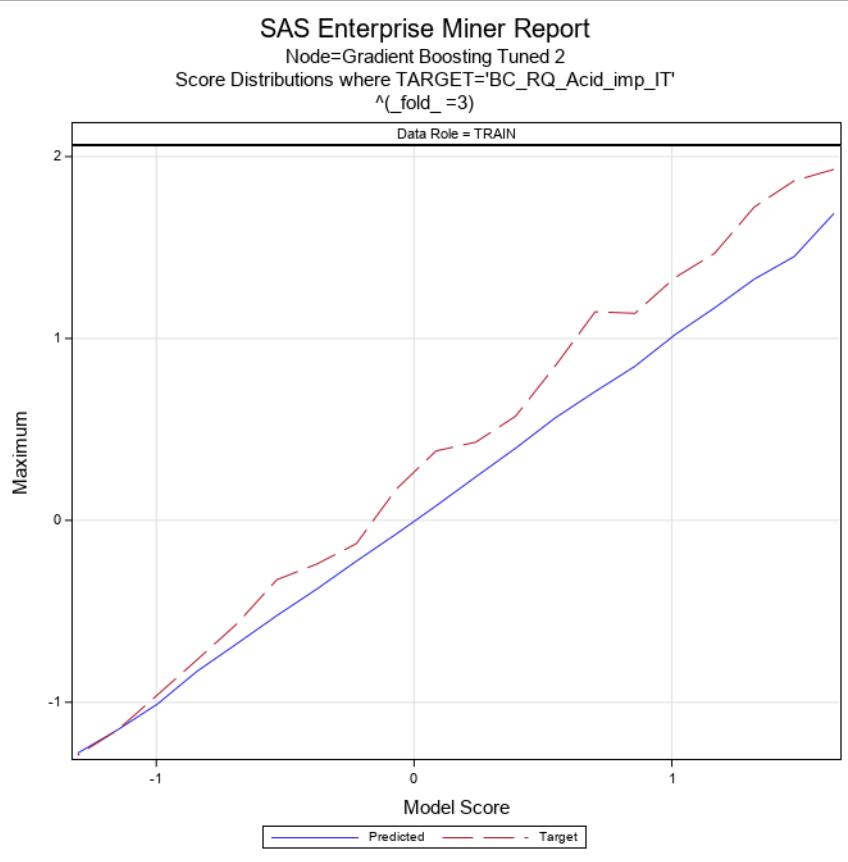
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

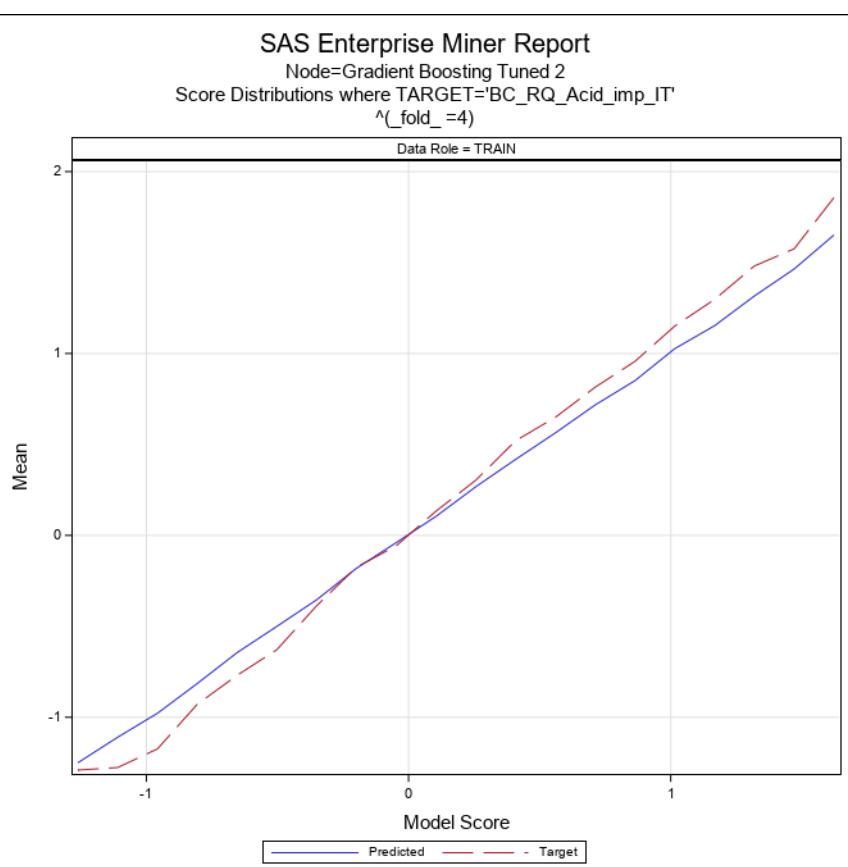


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

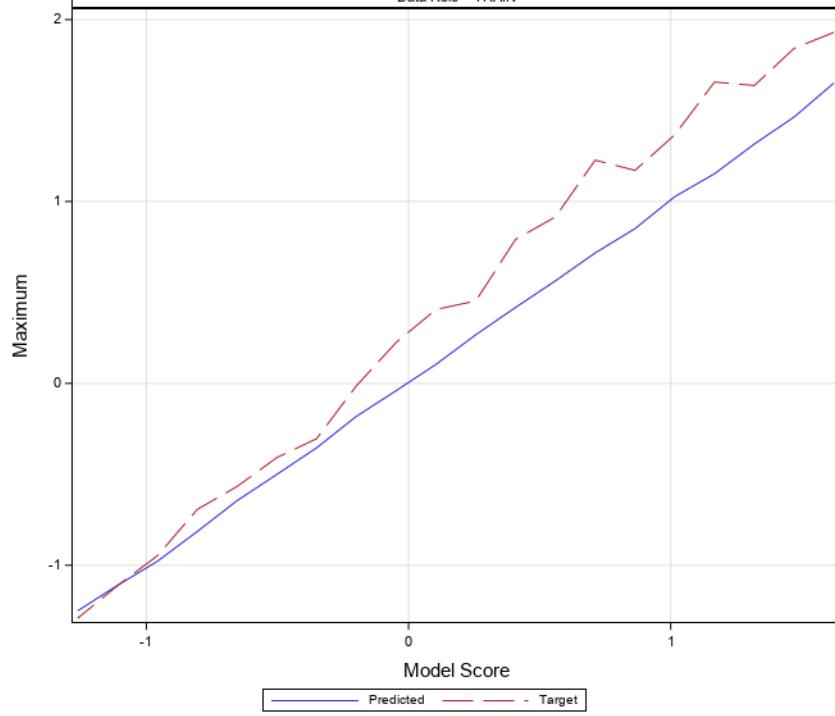


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

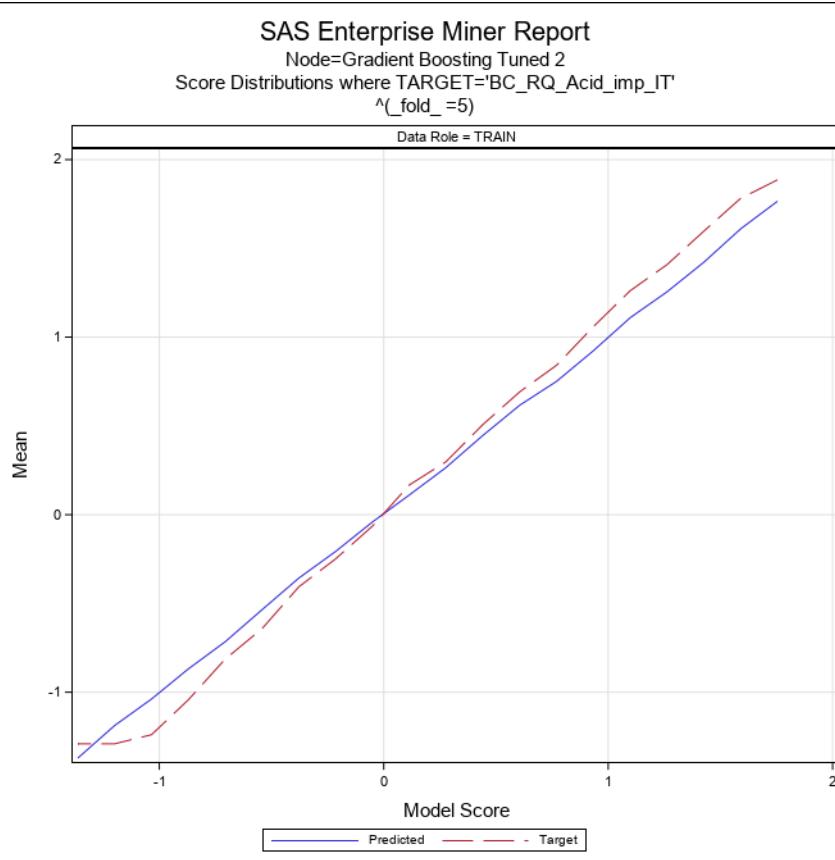
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

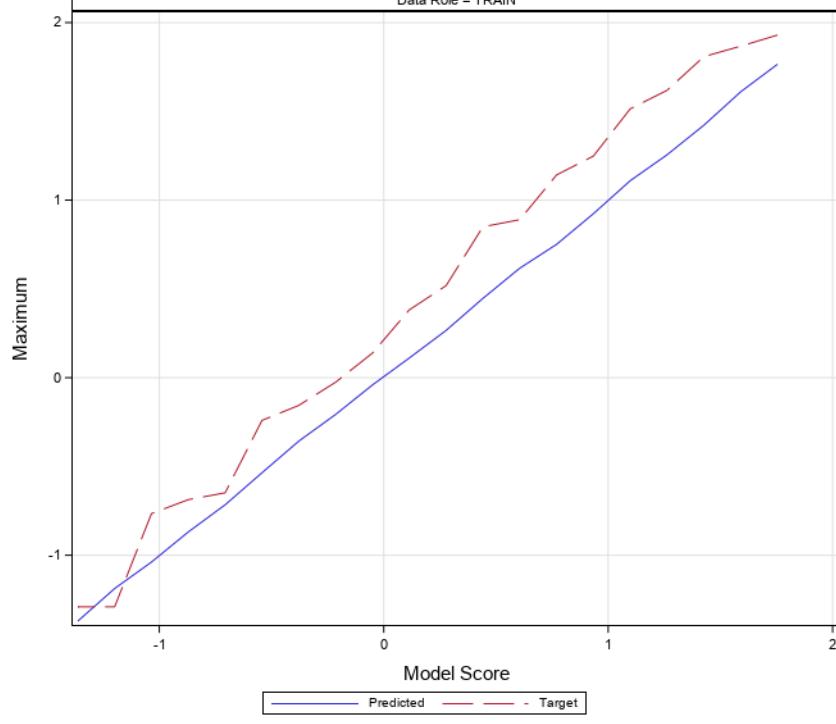


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

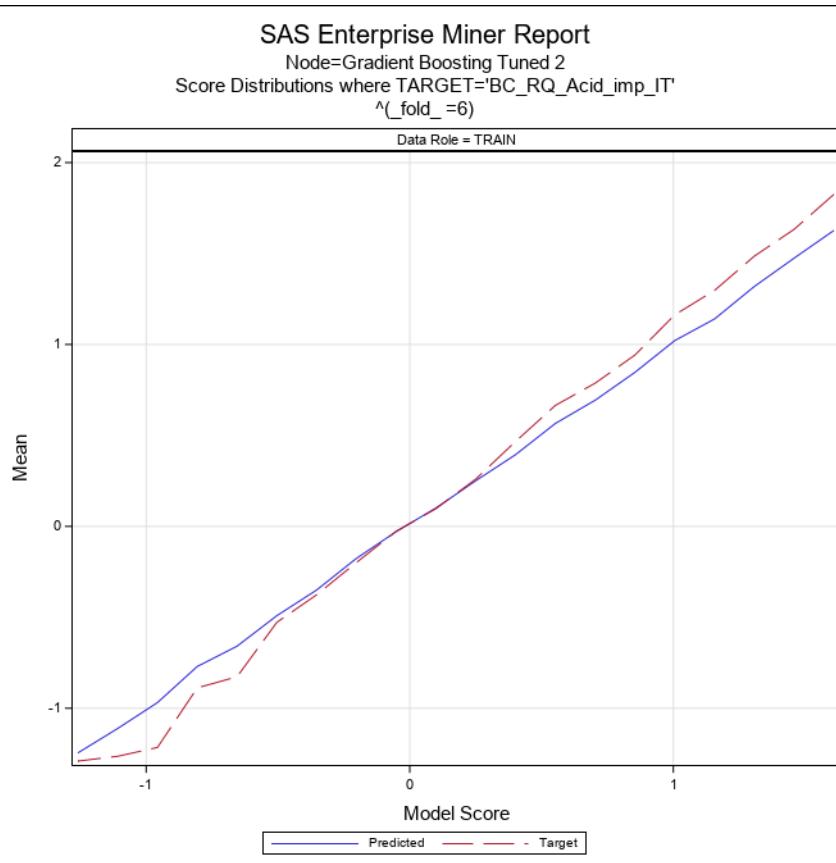
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

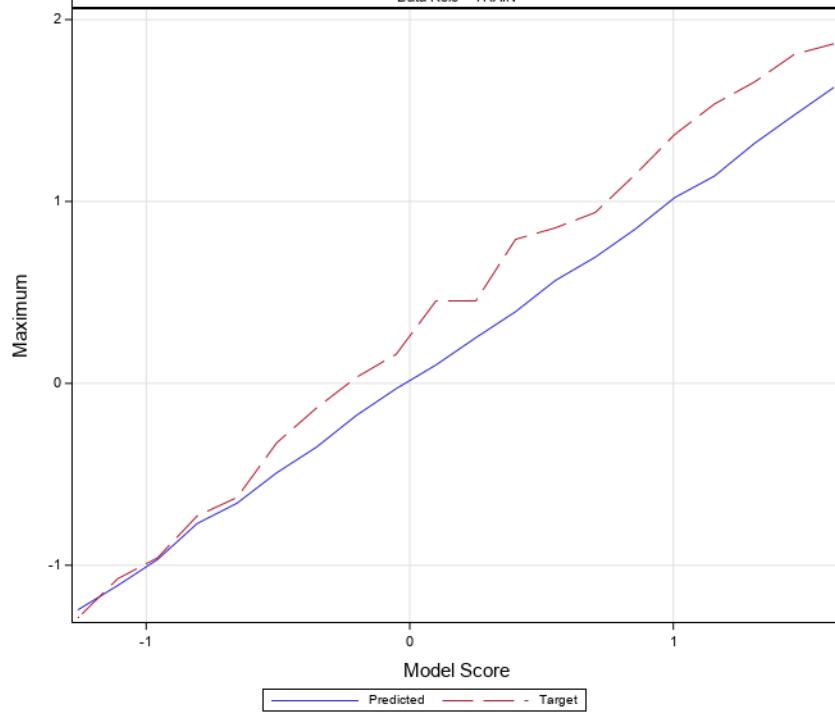


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

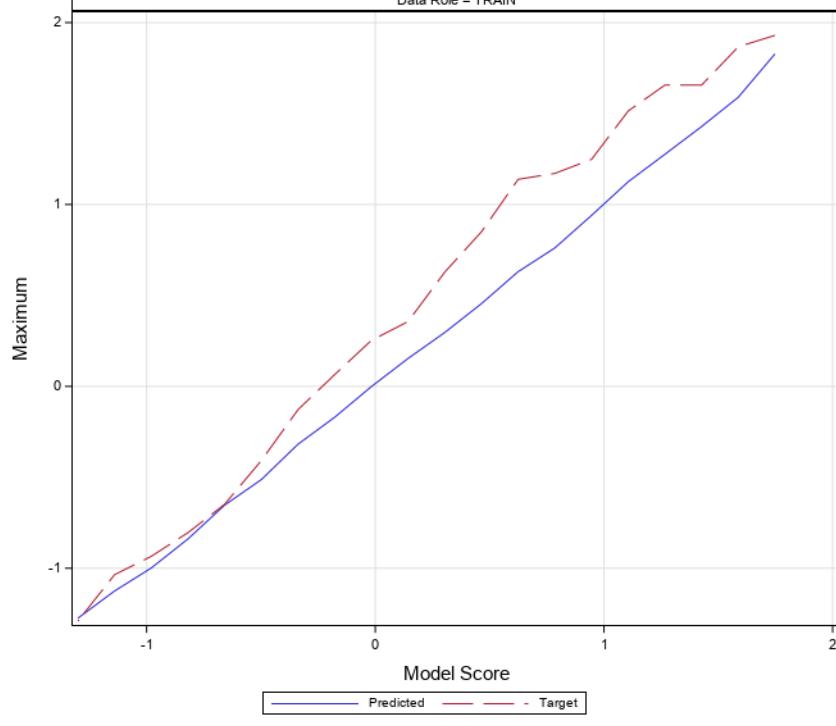


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

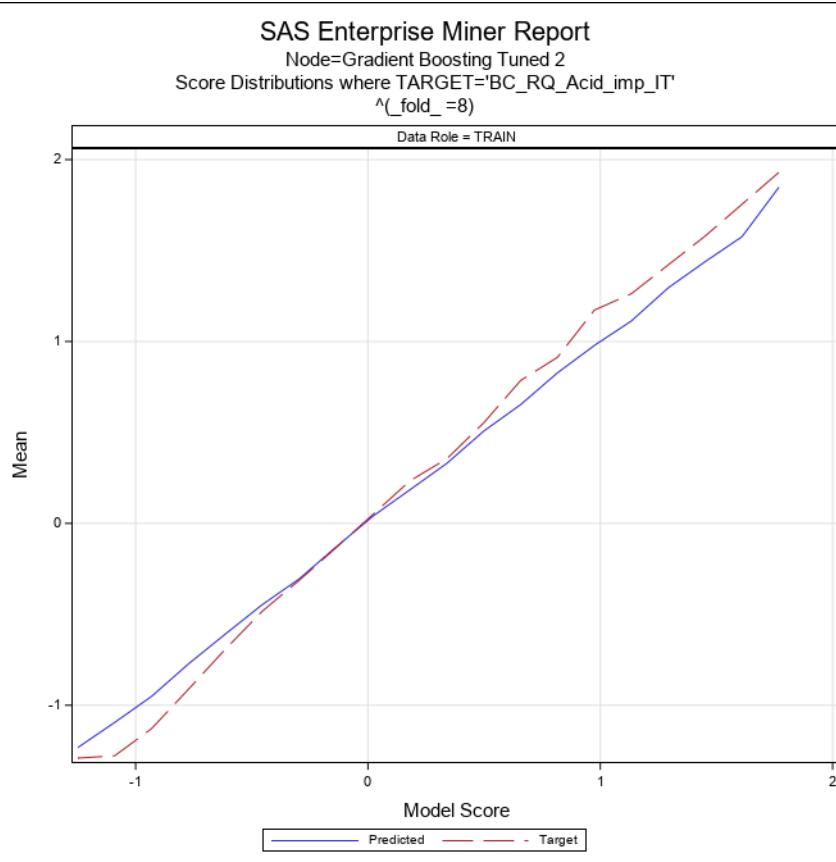
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 2

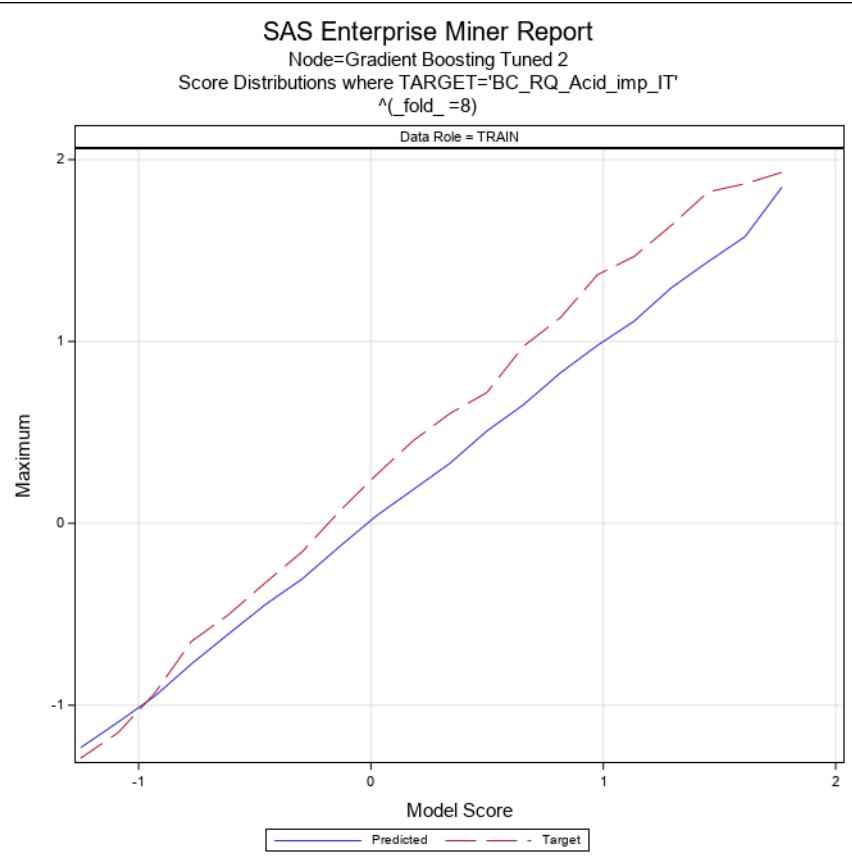
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN



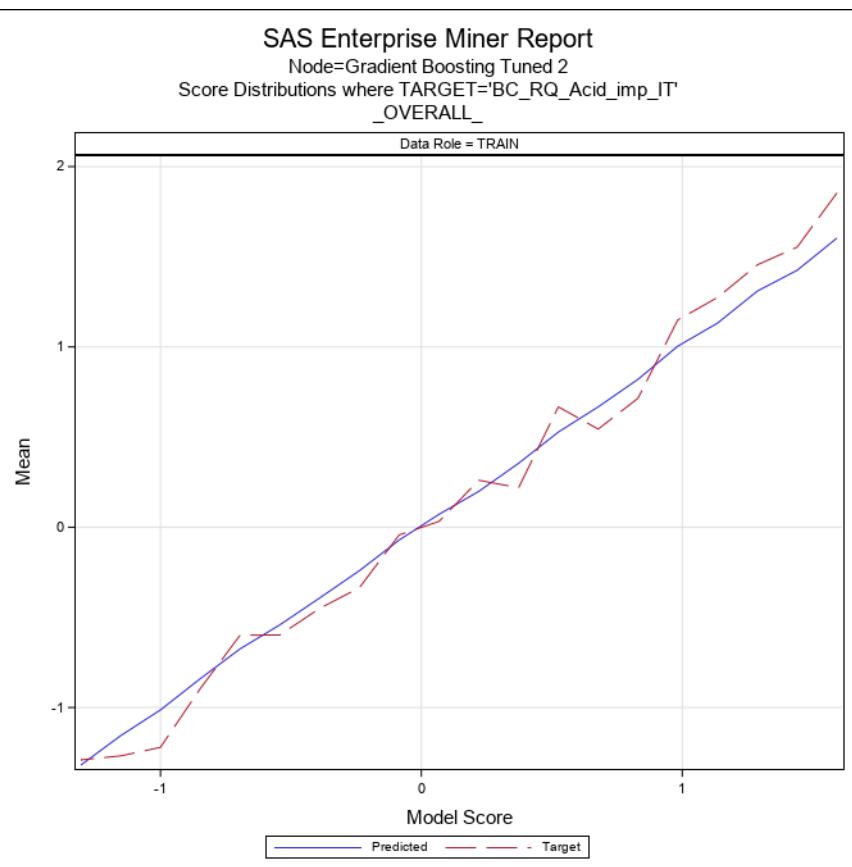
### SAS Enterprise Miner Report

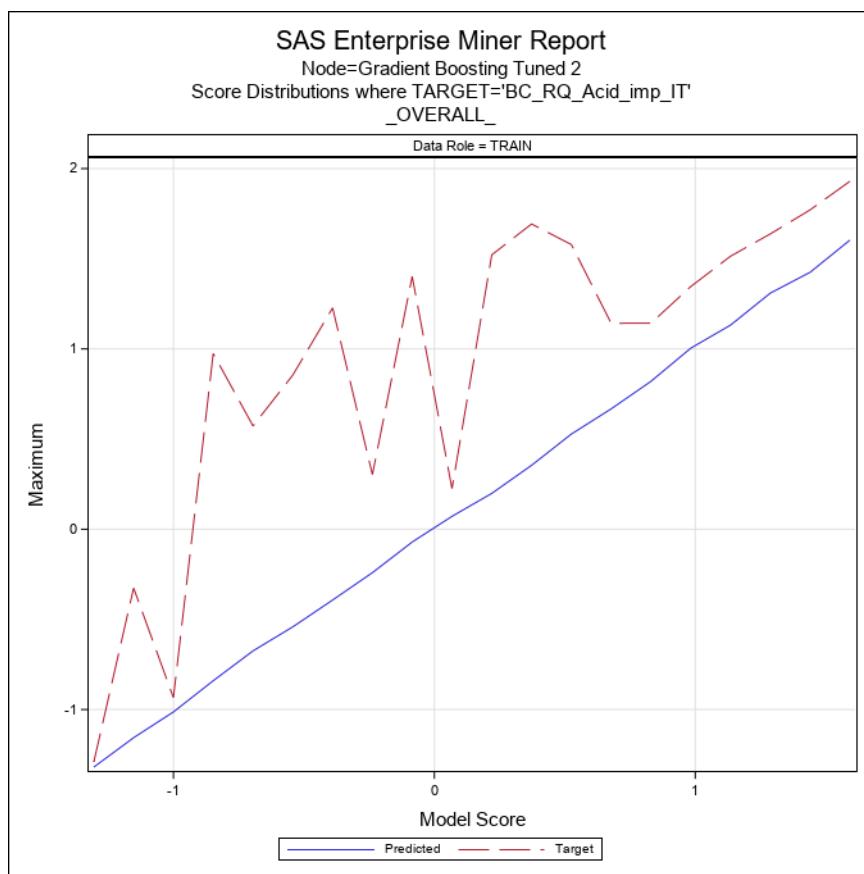
Node=Gradient Boosting Tuned 2  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}8)$



### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 2  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{overall}_\text{=})$





### Node=Gradient Boosting Tuned 2 Score Distributions

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.595 - 1.750	1.67873	1.75035	1.60617	1.85692	1.92987	1.80838
1.439 - 1.595	1.53355	1.59354	1.45472	1.64815	1.77106	1.52157
1.283 - 1.439	1.38050	1.43760	1.29055	1.54167	1.84202	1.39306
1.128 - 1.283	1.20107	1.28069	1.13823	1.32600	1.49143	1.05704
0.972 - 1.128	1.06322	1.12452	0.97632	1.18947	1.44384	0.98555
0.816 - 0.972	0.88323	0.95255	0.82410	0.95624	1.24818	0.73451
0.660 - 0.816	0.74526	0.81582	0.66697	0.78826	0.85495	0.61604
0.505 - 0.660	0.59010	0.65619	0.50641	0.69392	0.85495	0.55237
0.349 - 0.505	0.43558	0.50468	0.35750	0.48536	0.69704	0.32306
0.193 - 0.349	0.27336	0.34903	0.19980	0.30213	0.48660	0.12270
0.038 - 0.193	0.10538	0.18081	0.03887	0.10728	0.32113	-0.16851
-0.118 - 0.038	-0.04254	0.02854	-0.11621	-0.04370	0.17117	-0.24068
-0.274 - -0.118	-0.18757	-0.11862	-0.23101	-0.21692	-0.07171	-0.33103
-0.429 - -0.274	-0.31594	-0.27432	-0.38569	-0.39293	-0.24068	-0.45852
-0.585 - -0.429	-0.48665	-0.43583	-0.55271	-0.57910	-0.40813	-0.69439
-0.741 - -0.585	-0.67561	-0.58745	-0.73796	-0.74975	-0.32636	-0.93451
-0.897 - -0.741	-0.79378	-0.74708	-0.85154	-0.90094	-0.64842	-1.29040
-1.052 - -0.897	-0.97917	-0.89664	-1.05216	-1.16573	-0.93451	-1.29040
-1.208 - -1.052	-1.14443	-1.06102	-1.20356	-1.27658	-1.09174	-1.29040
-1.364 - -1.208	-1.27338	-1.21039	-1.36365	-1.29040	-1.29040	-1.29040

### Node=Gradient Boosting Tuned 2 Score Distributions

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.756 - 1.919	1.91861	1.91861	1.91861	1.92987	1.92987	1.92987
1.594 - 1.756	1.64267	1.69720	1.60954	1.83260	1.86701	1.80838
1.432 - 1.594	1.49972	1.56288	1.45592	1.69069	1.84202	1.54878
1.269 - 1.432	1.36316	1.42935	1.27894	1.49552	1.63777	1.33391
1.107 - 1.269	1.18910	1.26734	1.10742	1.32391	1.53621	1.08384
0.945 - 1.107	1.02115	1.09572	0.95062	1.18650	1.36860	0.98555
0.782 - 0.945	0.86516	0.94302	0.80069	0.91812	1.17083	0.75001
0.620 - 0.782	0.69103	0.78087	0.62207	0.79183	1.29756	0.53897
0.458 - 0.620	0.53184	0.61920	0.46962	0.63617	0.85495	0.37720
0.295 - 0.458	0.36653	0.40952	0.30773	0.43312	0.93917	0.30288
0.133 - 0.295	0.21012	0.28592	0.14632	0.24761	0.48660	0.06635
-0.029 - 0.133	0.05923	0.11761	-0.01927	0.05166	0.22515	-0.18592
-0.192 - 0.029	-0.11560	-0.05672	-0.18845	-0.08790	0.04068	-0.24068
-0.354 - 0.192	-0.26174	-0.21019	-0.32075	-0.30769	-0.15603	-0.72267
-0.516 - 0.354	-0.42631	-0.36223	-0.50383	-0.44531	-0.24068	-0.69439
-0.679 - 0.516	-0.59034	-0.53152	-0.66623	-0.64593	-0.32636	-0.84532
-0.841 - 0.679	-0.74349	-0.69047	-0.79188	-0.84511	-0.64842	-1.03562
-1.003 - 0.841	-0.91210	-0.84627	-0.99240	-1.09837	-0.84532	-1.29040
-1.166 - 1.003	-1.09430	-1.00581	-1.16356	-1.27526	-1.09174	-1.29040
-1.328 - 1.166	-1.23434	-1.17240	-1.32793	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.552 - 1.706	1.68750	1.70593	1.66414	1.85356	1.92987	1.80838
1.397 - 1.552	1.45000	1.54632	1.39823	1.59096	1.86701	1.43354
1.243 - 1.397	1.32666	1.38556	1.24571	1.47878	1.72308	1.23607
1.088 - 1.243	1.16831	1.23988	1.09790	1.30875	1.46801	1.12236
0.934 - 1.088	1.01983	1.08762	0.93728	1.16375	1.33391	0.86781
0.780 - 0.934	0.84717	0.93276	0.79278	0.90051	1.13831	0.71868
0.625 - 0.780	0.70822	0.77768	0.63671	0.83466	1.14698	0.61604
0.471 - 0.625	0.56410	0.62506	0.48386	0.67101	0.84998	0.47553
0.317 - 0.471	0.39660	0.46863	0.32132	0.40541	0.57270	0.25719
0.162 - 0.317	0.23929	0.31347	0.16762	0.25909	0.43009	0.06635
0.008 - 0.162	0.07954	0.16189	0.00972	0.10306	0.38174	-0.16851
-0.147 - 0.008	-0.07497	0.00462	-0.14038	-0.08013	0.17117	-0.24068
-0.301 - 0.147	-0.22417	-0.14961	-0.29077	-0.22605	-0.12797	-0.34179
-0.455 - 0.301	-0.37842	-0.31332	-0.43938	-0.47951	-0.24068	-0.76554
-0.610 - 0.455	-0.52368	-0.45782	-0.60529	-0.56527	-0.32636	-0.72860
-0.764 - 0.610	-0.67762	-0.63617	-0.75896	-0.78549	-0.56812	-0.93451
-0.918 - 0.764	-0.82907	-0.76966	-0.91487	-0.94172	-0.76554	-1.11166
-1.073 - 0.918	-1.00972	-0.94929	-1.06387	-1.21999	-0.95955	-1.29040
-1.227 - 1.073	-1.15182	-1.07974	-1.22626	-1.28331	-1.15235	-1.29040
-1.382 - 1.227	-1.27928	-1.24300	-1.38159	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.547 - 1.698	1.65129	1.69837	1.55777	1.85692	1.92987	1.80838
1.395 - 1.547	1.46442	1.52867	1.40724	1.57541	1.84202	1.44384
1.243 - 1.395	1.31585	1.38595	1.24634	1.48088	1.63777	1.36860
1.091 - 1.243	1.15261	1.23782	1.09811	1.29729	1.65655	1.08384
0.939 - 1.091	1.02651	1.08579	0.95831	1.15066	1.36680	0.97422
0.788 - 0.939	0.85056	0.90059	0.79639	0.95669	1.17083	0.85495
0.636 - 0.788	0.71708	0.78618	0.63780	0.81464	1.22737	0.53897
0.484 - 0.636	0.56349	0.63376	0.48665	0.64904	0.91488	0.25719
0.332 - 0.484	0.41759	0.47123	0.33607	0.52008	0.79170	0.36155
0.181 - 0.332	0.26729	0.33065	0.18535	0.30304	0.45315	0.08931
0.029 - 0.181	0.10435	0.17704	0.04594	0.13305	0.40630	-0.16851
-0.123 - 0.029	-0.03994	0.02062	-0.11955	-0.05743	0.22515	-0.24068
-0.275 - -0.123	-0.18118	-0.12326	-0.27099	-0.17535	-0.01343	-0.34179
-0.427 - -0.275	-0.35432	-0.27973	-0.42135	-0.38726	-0.30409	-0.45852
-0.578 - -0.427	-0.50051	-0.43396	-0.57538	-0.62876	-0.40813	-0.93451
-0.730 - -0.578	-0.64495	-0.58379	-0.71547	-0.76964	-0.56687	-0.95955
-0.882 - -0.730	-0.81464	-0.74080	-0.87513	-0.92883	-0.69337	-1.29040
-1.034 - -0.882	-0.97820	-0.93050	-1.03092	-1.17430	-0.94788	-1.29040
-1.186 - -1.034	-1.11002	-1.03689	-1.18519	-1.27637	-1.11166	-1.29040
-1.337 - -1.186	-1.25022	-1.19334	-1.33733	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.672 - 1.836	1.76550	1.83635	1.69464	1.88595	1.92987	1.84202
1.508 - 1.672	1.61002	1.66459	1.52458	1.78199	1.86701	1.65655
1.344 - 1.508	1.42193	1.48221	1.35317	1.59697	1.80838	1.38921
1.180 - 1.344	1.25531	1.33736	1.18909	1.40846	1.61852	1.08384
1.016 - 1.180	1.10951	1.17887	1.02283	1.26151	1.51415	0.98555
0.852 - 1.016	0.92348	0.98923	0.86294	1.05897	1.24818	0.83692
0.688 - 0.852	0.75090	0.84958	0.69107	0.84163	1.14199	0.65182
0.524 - 0.688	0.61657	0.67651	0.53940	0.69195	0.88977	0.47661
0.360 - 0.524	0.44660	0.52283	0.36044	0.50786	0.84998	0.25719
0.196 - 0.360	0.26619	0.34340	0.20137	0.29868	0.51841	0.06635
0.032 - 0.196	0.11077	0.19107	0.03159	0.16709	0.38174	0.00927
-0.133 - 0.032	-0.04109	0.02951	-0.12402	-0.06444	0.13852	-0.33103
-0.297 - -0.133	-0.20703	-0.13677	-0.29191	-0.24892	-0.02557	-0.59657
-0.461 - -0.297	-0.35731	-0.30023	-0.45483	-0.40659	-0.15603	-0.72191
-0.625 - -0.461	-0.53565	-0.47449	-0.60411	-0.64242	-0.24068	-0.88860
-0.789 - -0.625	-0.71591	-0.64508	-0.77575	-0.81375	-0.64842	-0.93451
-0.953 - -0.789	-0.86879	-0.79730	-0.95024	-1.04292	-0.68686	-1.29040
-1.117 - -0.953	-1.03832	-0.96041	-1.11588	-1.23951	-0.76554	-1.29040
-1.281 - -1.117	-1.18748	-1.11782	-1.27763	-1.29040	-1.29040	-1.29040
-1.445 - -1.281	-1.37086	-1.29686	-1.44513	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.534 - 1.685	1.62723	1.68479	1.57411	1.82563	1.86701	1.77106
1.383 - 1.534	1.47478	1.52839	1.43138	1.63318	1.80838	1.46404
1.232 - 1.383	1.31892	1.38086	1.24345	1.48574	1.65655	1.33863
1.081 - 1.232	1.14026	1.22527	1.08799	1.29715	1.53621	1.08384
0.930 - 1.081	1.02146	1.07932	0.95889	1.16307	1.36860	0.98555
0.779 - 0.930	0.84691	0.92011	0.78526	0.94213	1.14698	0.65182
0.628 - 0.779	0.69363	0.77156	0.63052	0.78729	0.93917	0.61604
0.477 - 0.628	0.56587	0.62699	0.48228	0.66505	0.85495	0.36845
0.326 - 0.477	0.39427	0.47207	0.33882	0.46680	0.79170	0.25283
0.175 - 0.326	0.25091	0.32229	0.17754	0.26011	0.45315	0.06635
0.024 - 0.175	0.10127	0.16704	0.02879	0.09733	0.45315	-0.16851
-0.127 - 0.024	-0.02893	0.02369	-0.10090	-0.02649	0.16052	-0.33103
-0.278 - -0.127	-0.17609	-0.14079	-0.23520	-0.19889	0.03319	-0.34179
-0.429 - -0.278	-0.35002	-0.29598	-0.42807	-0.37619	-0.13485	-0.56687
-0.580 - -0.429	-0.49111	-0.43027	-0.57812	-0.52778	-0.32636	-0.72267
-0.731 - -0.580	-0.65886	-0.59018	-0.71961	-0.82687	-0.62748	-1.29040
-0.882 - -0.731	-0.77042	-0.73440	-0.84458	-0.88817	-0.72860	-1.03562
-1.033 - -0.882	-0.96887	-0.88643	-1.02656	-1.21566	-0.95955	-1.29040
-1.184 - -1.033	-1.11149	-1.03536	-1.18015	-1.26411	-1.07430	-1.29040
-1.335 - -1.184	-1.24562	-1.18629	-1.33478	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.668 - 1.828	1.82813	1.82813	1.82813	1.92987	1.92987	1.92987
1.507 - 1.668	1.58978	1.66179	1.51497	1.75680	1.86701	1.54878
1.347 - 1.507	1.42857	1.47689	1.39098	1.52015	1.65655	1.38921
1.186 - 1.347	1.27603	1.34564	1.19867	1.47080	1.65655	1.26974
1.026 - 1.186	1.12526	1.18544	1.04105	1.28126	1.51415	0.98555
0.865 - 1.026	0.94000	1.01033	0.86732	1.07605	1.24818	0.85049
0.705 - 0.865	0.76107	0.86228	0.70926	0.82260	1.17083	0.55237
0.544 - 0.705	0.63070	0.70384	0.55271	0.71050	1.13831	0.40630
0.384 - 0.544	0.45480	0.53574	0.39296	0.53130	0.84998	0.24534
0.224 - 0.384	0.29621	0.38310	0.23328	0.37213	0.62815	0.16562
0.063 - 0.224	0.15354	0.22194	0.06553	0.17112	0.35635	-0.01183
-0.097 - 0.063	-0.00120	0.05511	-0.08718	-0.01640	0.25283	-0.24068
-0.258 - -0.097	-0.16963	-0.12069	-0.24499	-0.18769	0.06480	-0.39330
-0.418 - -0.258	-0.31813	-0.26059	-0.40841	-0.35115	-0.12797	-0.50236
-0.579 - -0.418	-0.51271	-0.43690	-0.56066	-0.65112	-0.40813	-0.84532
-0.739 - -0.579	-0.65303	-0.58302	-0.69461	-0.79957	-0.64842	-1.03562
-0.900 - -0.739	-0.83904	-0.78540	-0.87784	-1.06710	-0.80438	-1.29040
-1.060 - -0.900	-0.99877	-0.90979	-1.05898	-1.19491	-0.93451	-1.29040
-1.221 - -1.060	-1.12511	-1.06197	-1.21969	-1.27869	-1.03562	-1.29040
-1.381 - -1.221	-1.27475	-1.22731	-1.38096	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Score Distributions

Group=\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.689 - 1.848	1.84816	1.84816	1.84816	1.92987	1.92987	1.92987
1.531 - 1.689	1.57623	1.63184	1.53065	1.75442	1.86701	1.65655
1.372 - 1.531	1.43880	1.52619	1.37876	1.57927	1.82242	1.46404
1.213 - 1.372	1.29498	1.36363	1.23897	1.42114	1.63777	1.12236
1.054 - 1.213	1.11262	1.19837	1.06792	1.26262	1.46801	1.08384
0.895 - 1.054	0.97839	1.04639	0.90836	1.17251	1.36680	0.80905
0.736 - 0.895	0.82791	0.88028	0.74418	0.91324	1.13168	0.71868
0.578 - 0.736	0.65297	0.72597	0.58030	0.78539	0.97422	0.61604
0.419 - 0.578	0.50719	0.57632	0.42084	0.55292	0.71868	0.40322
0.260 - 0.419	0.32989	0.40801	0.27283	0.35505	0.60373	0.06635
0.101 - 0.260	0.18469	0.25201	0.10682	0.23359	0.45315	0.06635
-0.058 - 0.101	0.04005	0.09982	-0.05649	0.04985	0.26501	-0.16851
-0.216 - -0.058	-0.12950	-0.05770	-0.20950	-0.13359	0.06480	-0.30409
-0.375 - -0.216	-0.30509	-0.26466	-0.36916	-0.31301	-0.15603	-0.45852
-0.534 - -0.375	-0.44663	-0.38545	-0.51918	-0.48264	-0.32636	-0.76554
-0.693 - -0.534	-0.60819	-0.55082	-0.68892	-0.69113	-0.50236	-0.93451
-0.852 - -0.693	-0.77245	-0.69316	-0.82463	-0.91174	-0.64842	-1.29040
-1.011 - -0.852	-0.95088	-0.87696	-1.00477	-1.12804	-0.93451	-1.29040
-1.169 - -1.011	-1.09421	-1.01273	-1.16833	-1.27766	-1.15235	-1.29040
-1.328 - -1.169	-1.23258	-1.17614	-1.32816	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.517 - 1.669	1.60346	1.66921	1.55777	1.85394	1.92987	1.80838
1.364 - 1.517	1.42503	1.49906	1.37169	1.55346	1.77106	1.38921
1.212 - 1.364	1.30950	1.36007	1.21210	1.45517	1.63777	1.28782
1.059 - 1.212	1.13207	1.19300	1.06792	1.27429	1.51415	1.05704
0.907 - 1.059	1.00400	1.05822	0.90692	1.14949	1.34565	0.98555
0.754 - 0.907	0.82012	0.89121	0.75649	0.71508	1.14239	-1.29040
0.601 - 0.754	0.66739	0.73771	0.61550	0.54417	1.14199	-1.29040
0.449 - 0.601	0.52773	0.59483	0.45215	0.66755	1.57848	0.25719
0.296 - 0.449	0.35446	0.44240	0.29701	0.21879	1.69276	-1.29040
0.144 - 0.296	0.19869	0.29104	0.14434	0.26024	1.52157	-1.29040
-0.009 - 0.144	0.07129	0.14257	0.00838	0.03216	0.22515	-0.69337
-0.161 - -0.009	-0.07103	-0.01020	-0.15011	-0.04279	1.40177	-1.15845
-0.314 - -0.161	-0.24109	-0.18384	-0.30120	-0.33554	0.30288	-1.29040
-0.466 - -0.314	-0.39275	-0.32048	-0.44632	-0.45052	1.22737	-1.29040
-0.619 - -0.466	-0.54152	-0.47305	-0.59950	-0.59741	0.85495	-1.29040
-0.771 - -0.619	-0.67482	-0.62889	-0.73399	-0.59964	0.57270	-0.93451
-0.924 - -0.771	-0.84034	-0.78067	-0.91500	-0.89533	0.97422	-1.29040
-1.077 - -0.924	-1.01346	-0.93050	-1.07149	-1.22099	-0.93451	-1.29040
-1.229 - -1.077	-1.15632	-1.09171	-1.22884	-1.26836	-0.32636	-1.29040
-1.382 - -1.229	-1.31926	-1.23301	-1.38159	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 2 Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	339
2	^(fold_=2)	356
3	^(fold_=3)	334
4	^(fold_=4)	342
5	^(fold_=5)	341
6	^(fold_=6)	344
7	^(fold_=7)	351
8	^(fold_=8)	344

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp10  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp10 => Boost4 => EndGrp10  
 Notes =

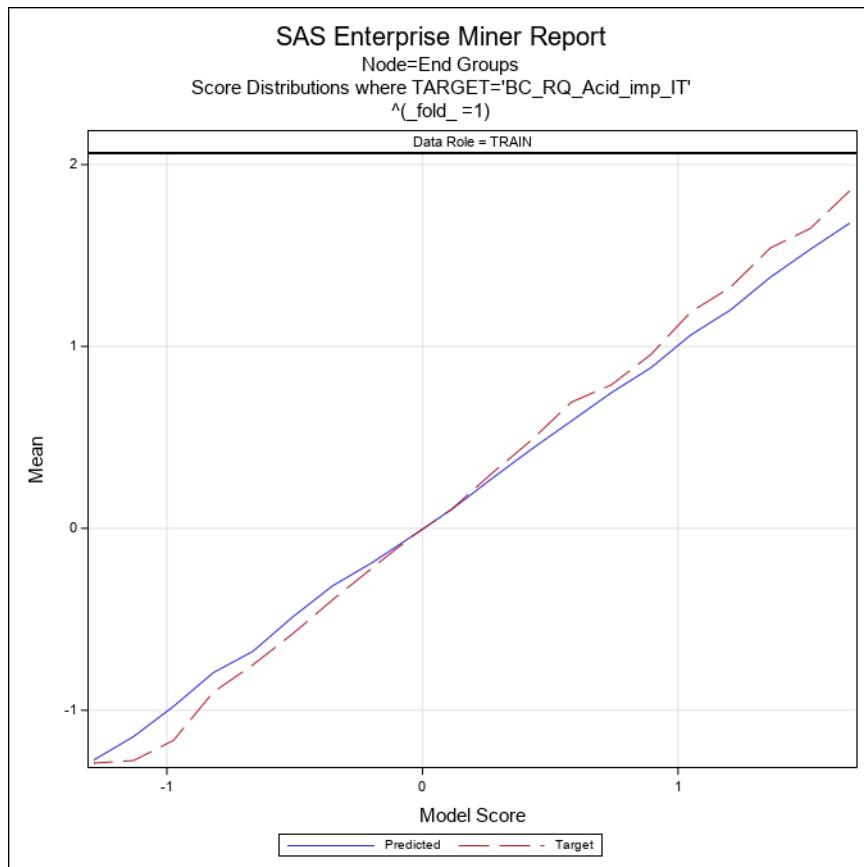
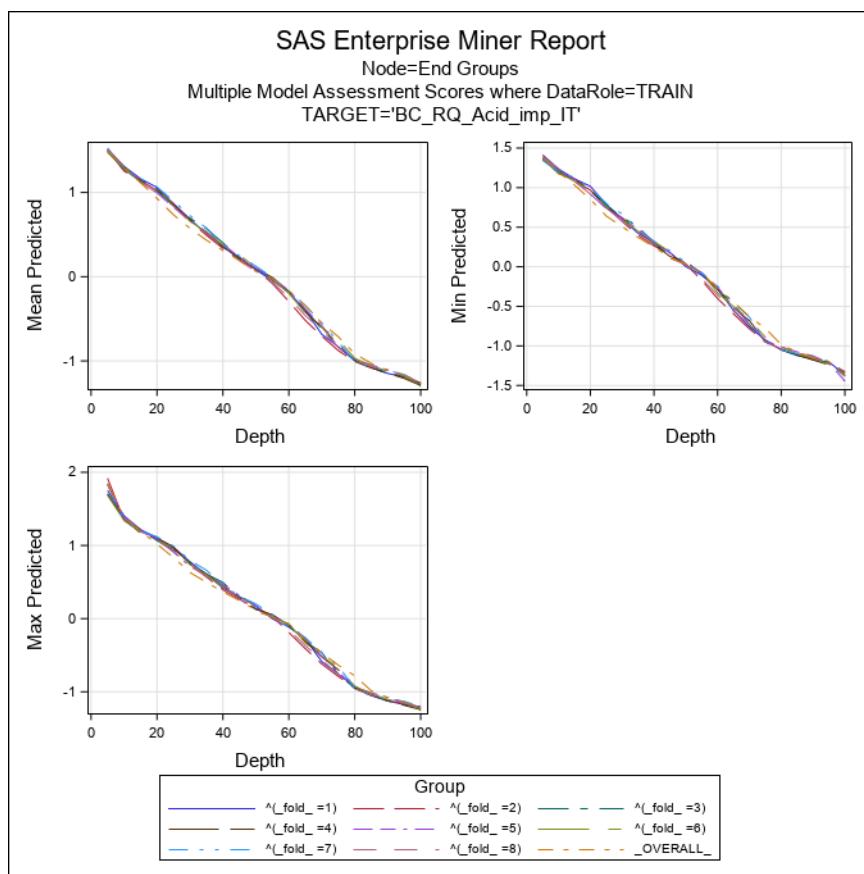
### Node=End Groups Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

### Node=End Groups Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAtot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Times Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Degrees of Freedom	Train: Total Degrees of Freedom	Target Label
1	^(fold_=1)	Boost4	BC_RQ_Acid_imp_IT	341	341	0.48597	6.5366	0.01917	0.13845	341	341	341	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	Boost4	BC_RQ_Acid_imp_IT	342	342	0.64754	7.9835	0.02334	0.15279	342	342	342	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	Boost4	BC_RQ_Acid_imp_IT	351	351	0.40857	7.4304	0.02117	0.14550	351	351	351	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	Boost4	BC_RQ_Acid_imp_IT	350	350	0.48511	7.9420	0.02269	0.15064	350	350	350	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	Boost4	BC_RQ_Acid_imp_IT	359	359	0.40770	9.3289	0.02599	0.16120	359	359	359	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	Boost4	BC_RQ_Acid_imp_IT	344	344	0.57079	8.9251	0.02595	0.16108	344	344	344	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	Boost4	BC_RQ_Acid_imp_IT	341	341	0.48605	9.1040	0.02670	0.16340	341	341	341	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	Boost4	BC_RQ_Acid_imp_IT	344	344	0.48450	8.1984	0.02383	0.15438	344	344	344	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	393	.	2.17880	60.7874	0.15468	0.39329	393	.	.	ReQuest (acid subscale) (Box-Cox transformed)

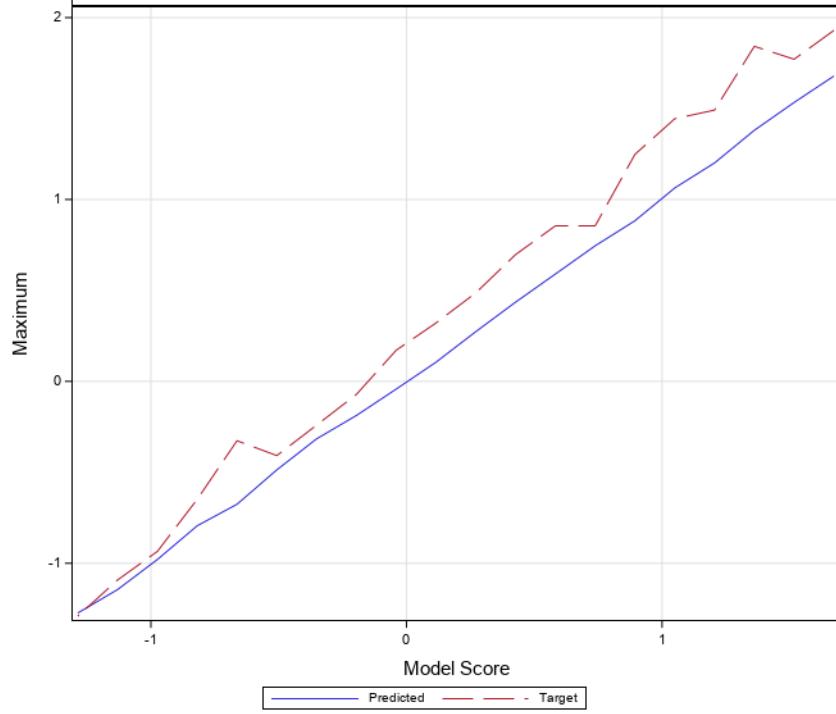


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

Data Role = TRAIN

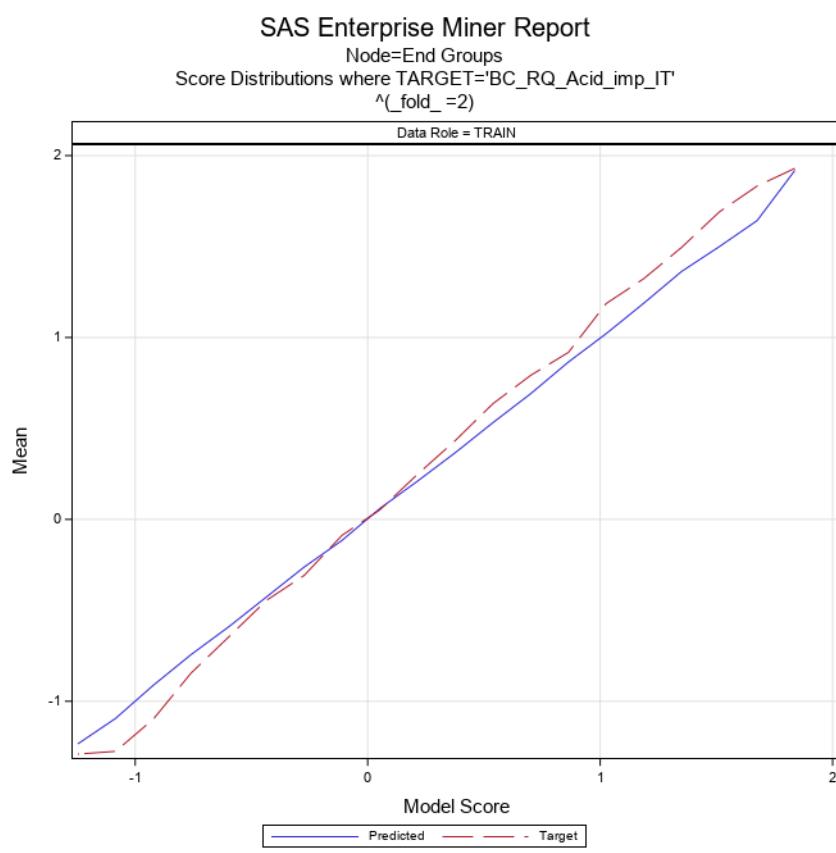


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

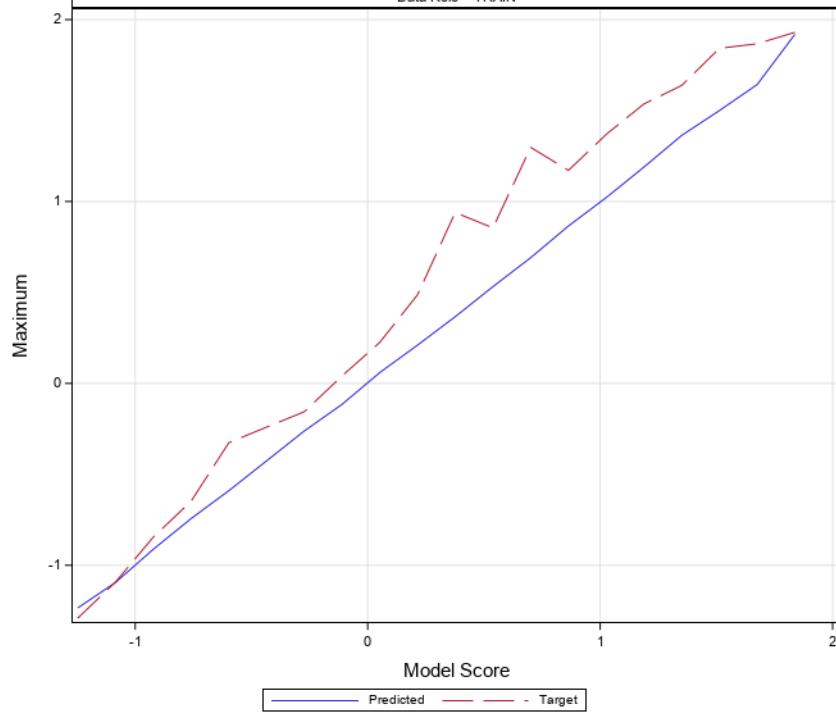


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

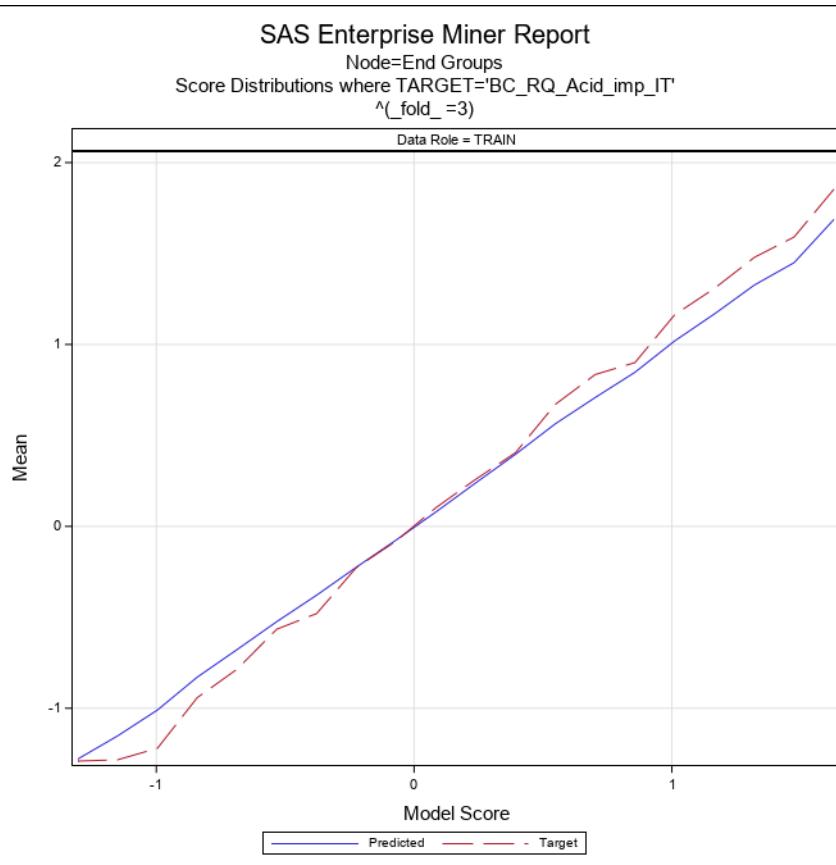


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

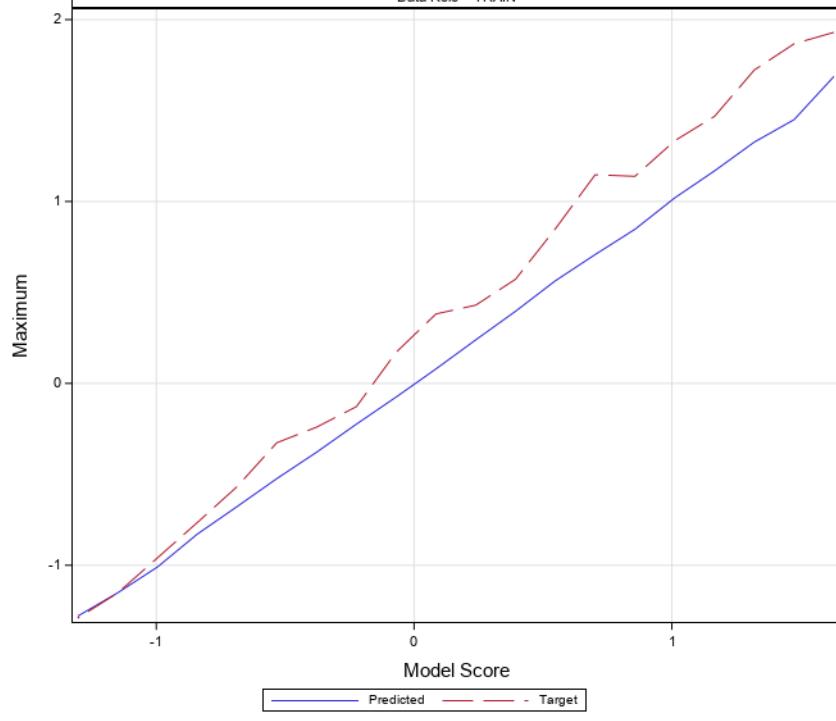


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

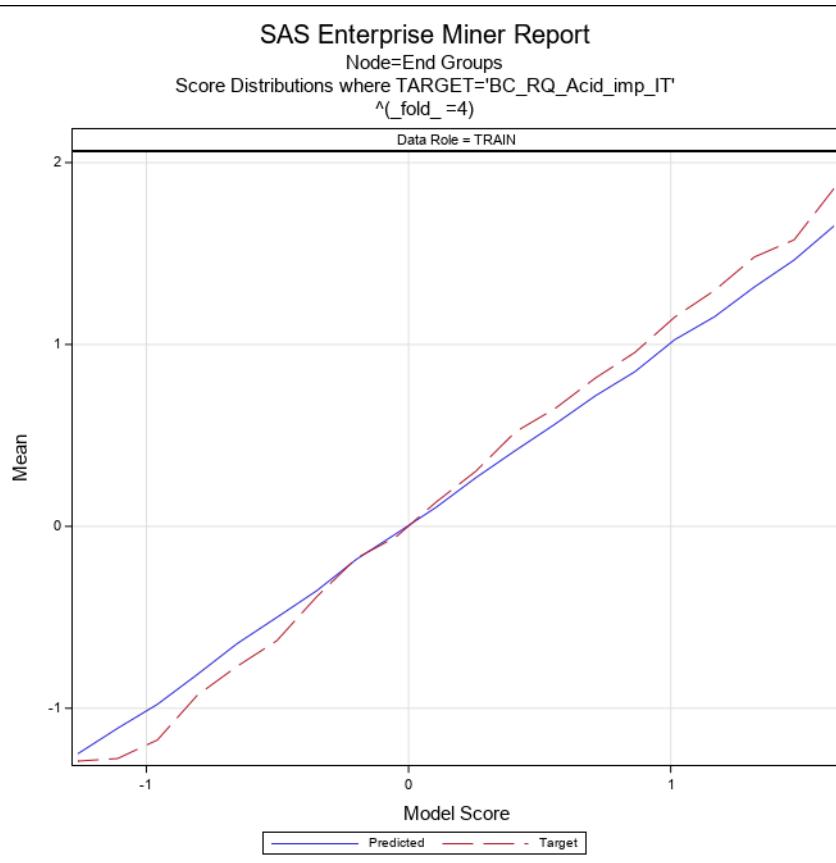
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

Data Role = TRAIN

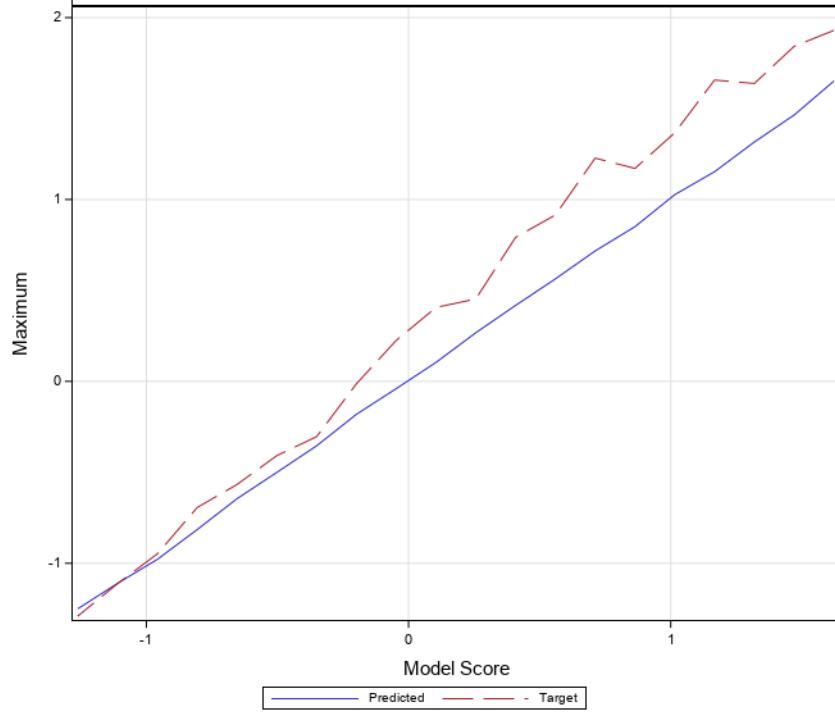


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

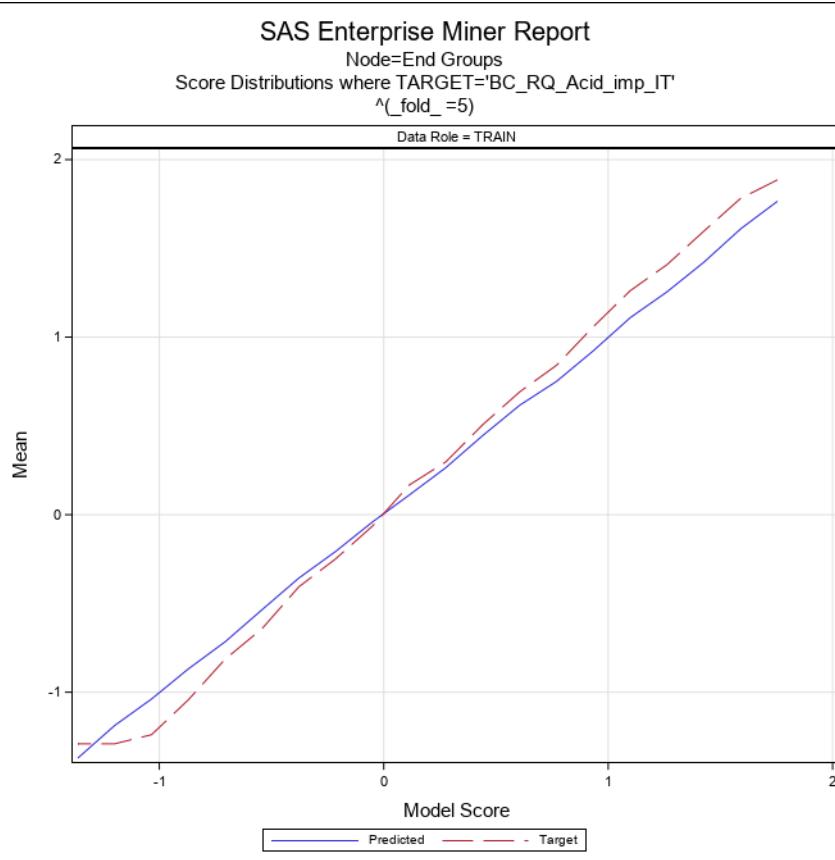
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

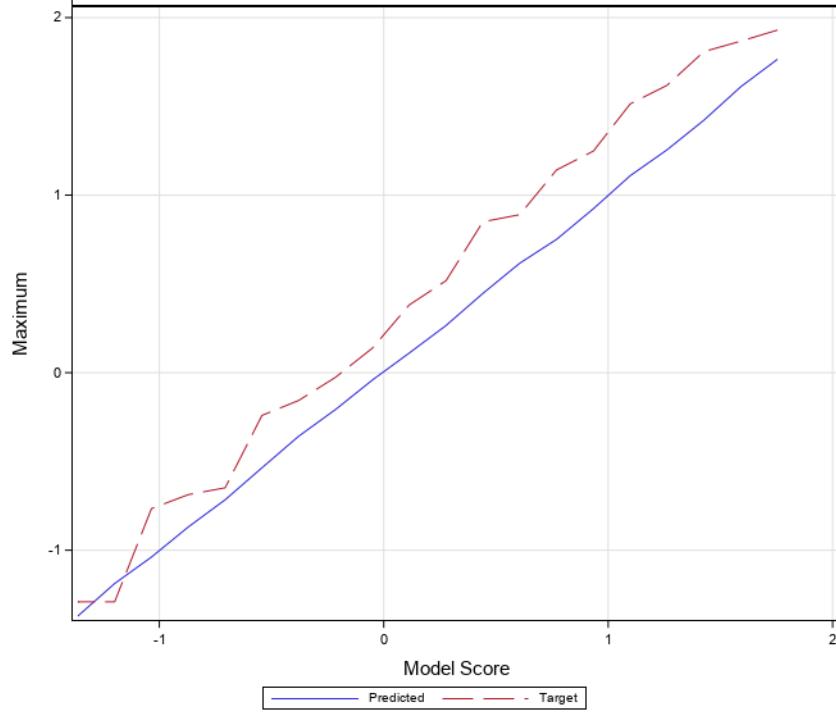


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

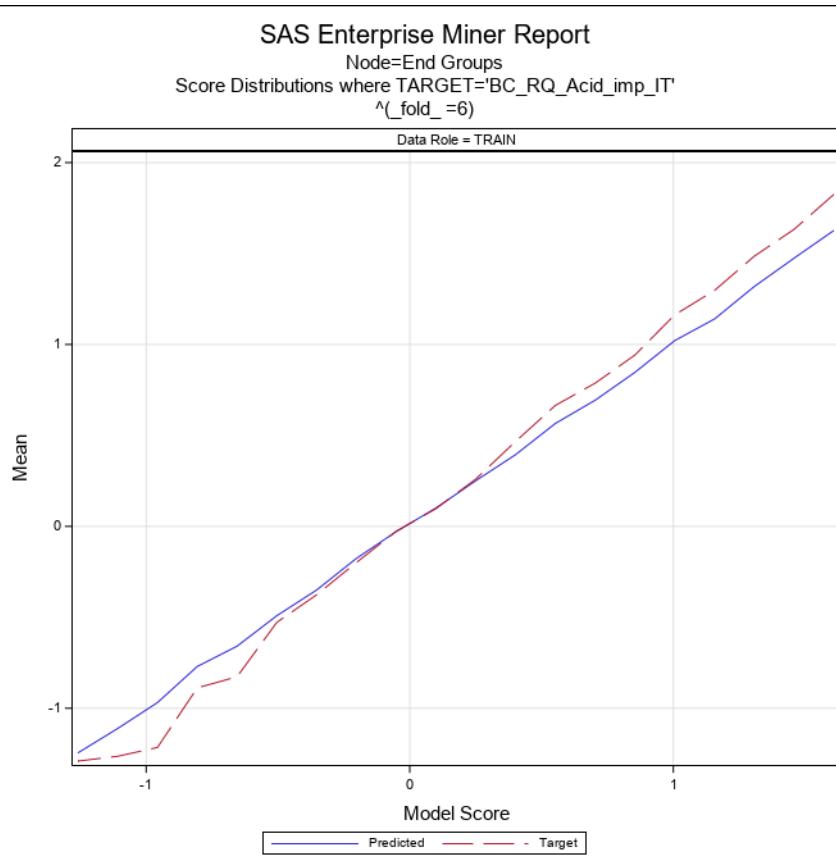
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

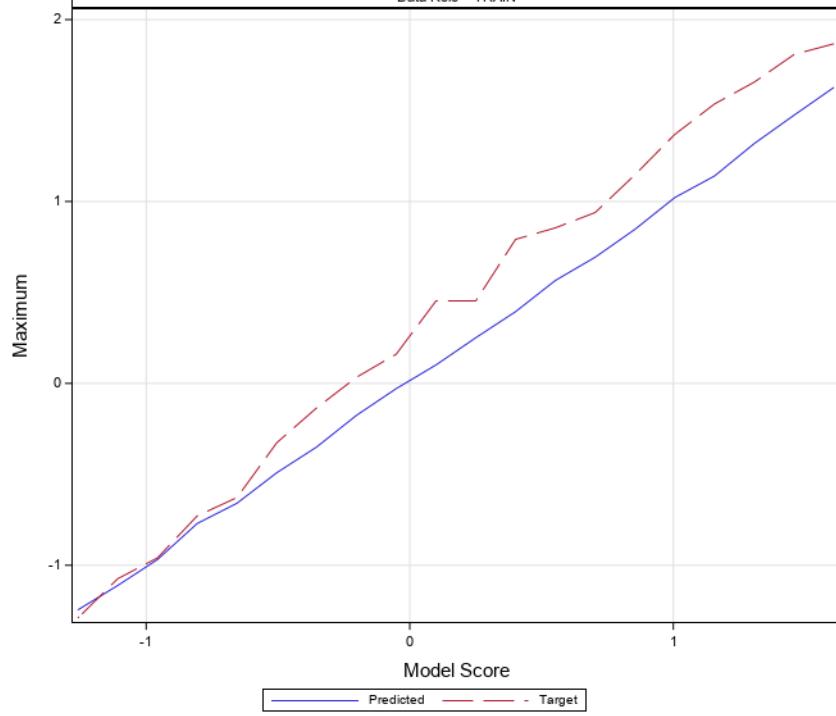


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

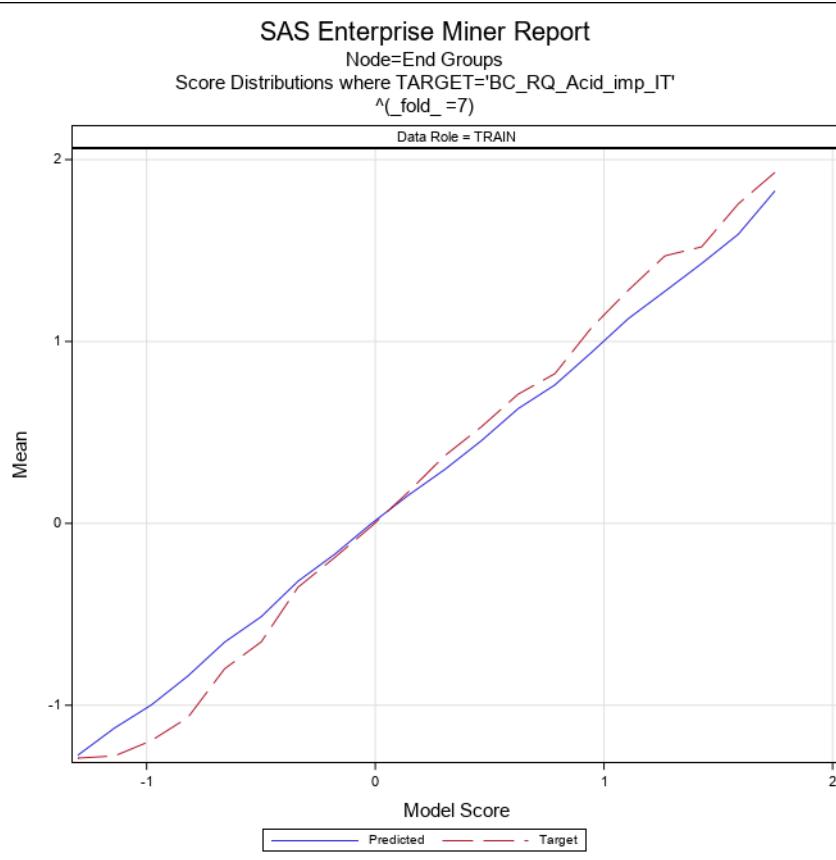
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

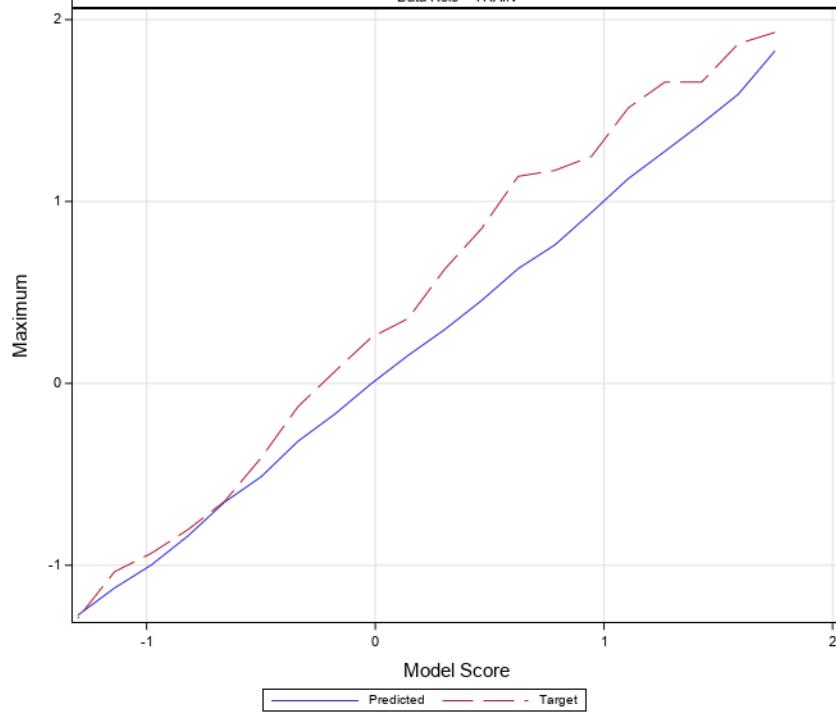


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

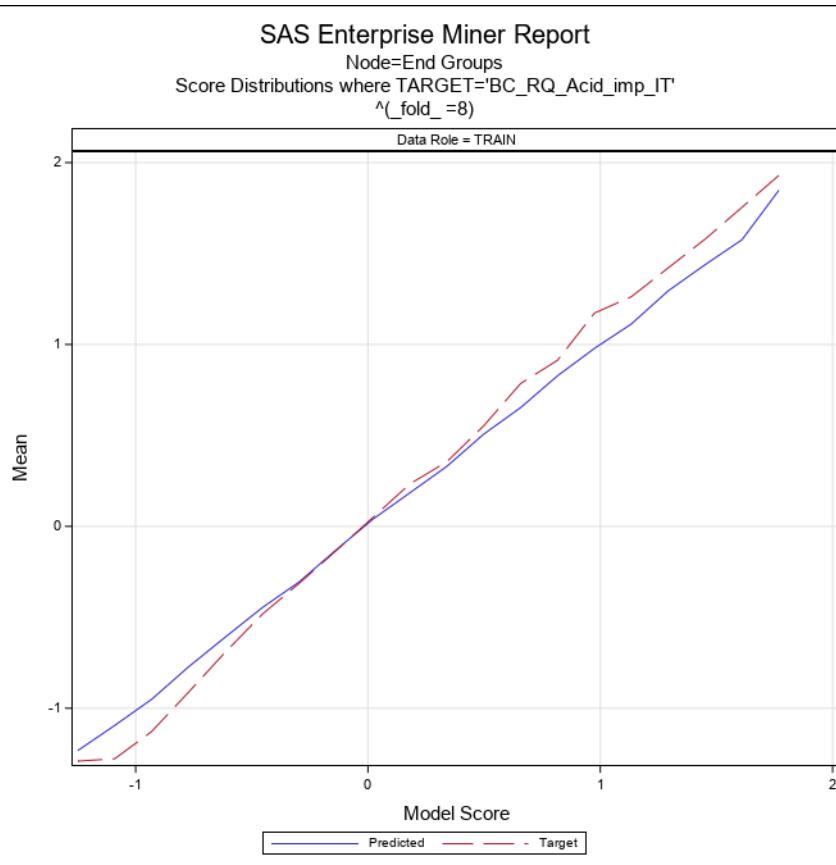
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

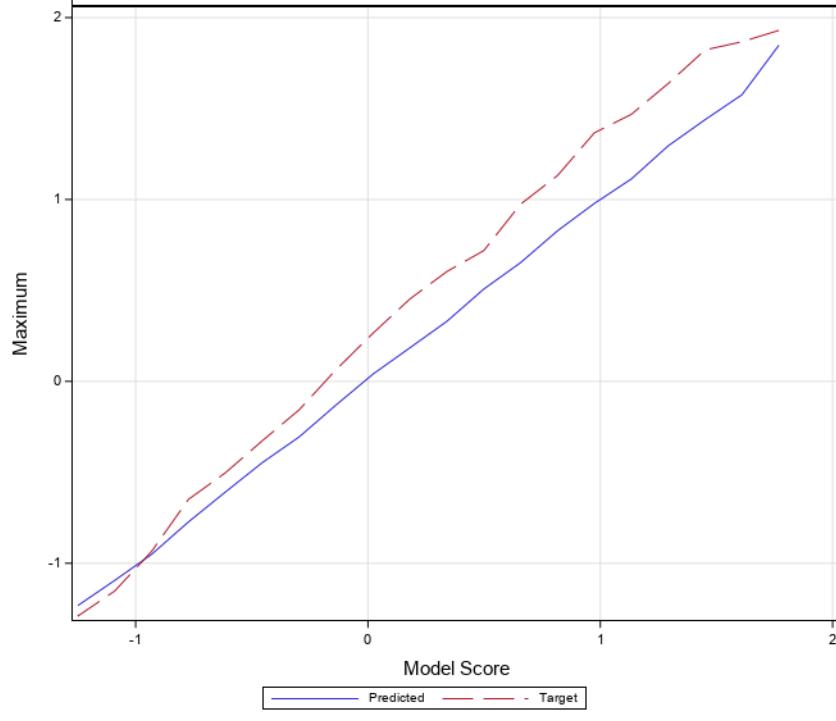


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

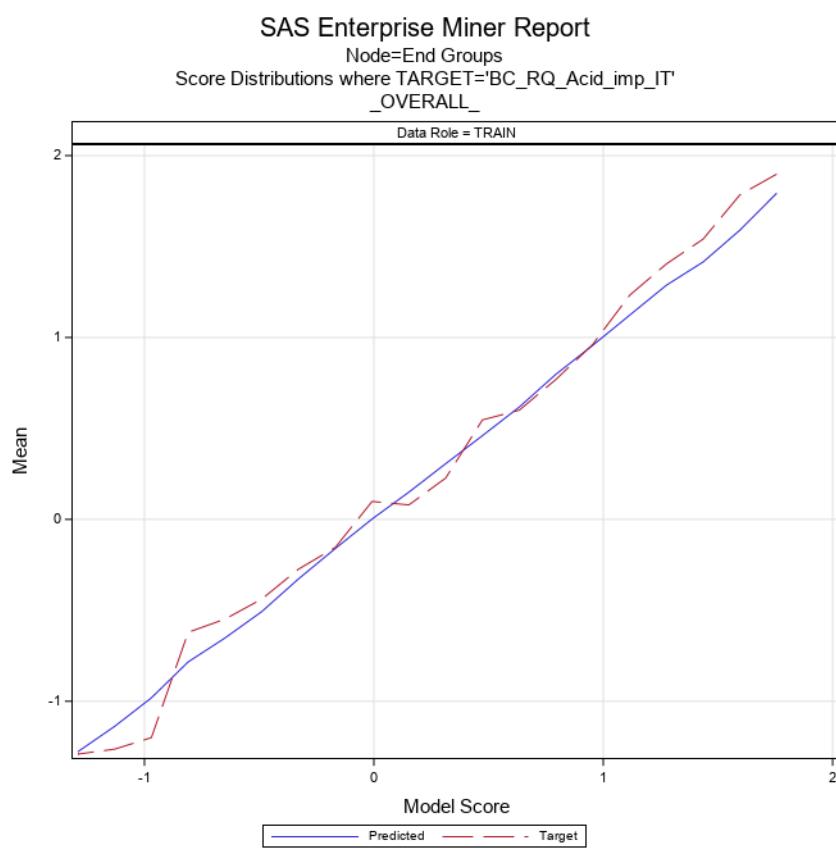


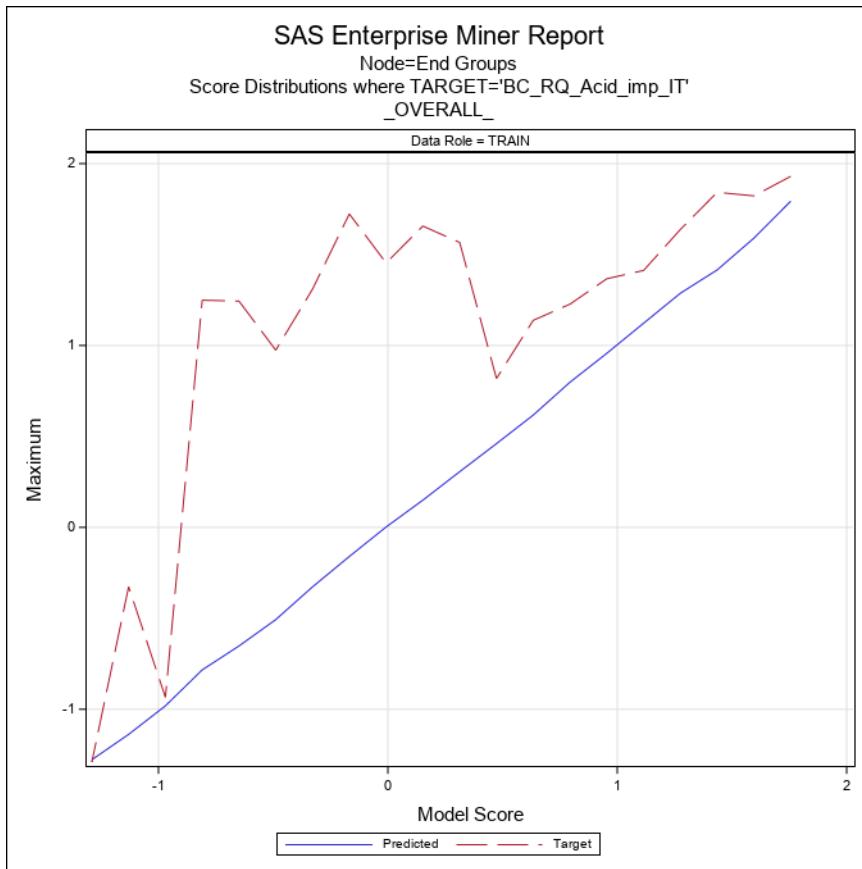
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### **Node=End Groups Score Distributions**

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.595 - 1.750	1.67873	1.75035	1.60617	1.85692	1.92987	1.80838
1.439 - 1.595	1.53355	1.59354	1.45472	1.64815	1.77106	1.52157
1.283 - 1.439	1.38050	1.43760	1.29055	1.54167	1.84202	1.39306
1.128 - 1.283	1.20107	1.28069	1.13823	1.32600	1.49143	1.05704
0.972 - 1.128	1.06322	1.12452	0.97632	1.18947	1.44384	0.98555
0.816 - 0.972	0.88323	0.95255	0.82410	0.95624	1.24818	0.73451
0.660 - 0.816	0.74526	0.81582	0.66697	0.78826	0.85495	0.61604
0.505 - 0.660	0.59010	0.65619	0.50641	0.69392	0.85495	0.55237
0.349 - 0.505	0.43558	0.50468	0.35750	0.48536	0.69704	0.32306
0.193 - 0.349	0.27336	0.34903	0.19980	0.30213	0.48660	0.12270
0.038 - 0.193	0.10538	0.18081	0.03887	0.10728	0.32113	-0.16851
-0.118 - 0.038	-0.04254	0.02854	-0.11621	-0.04370	0.17117	-0.24068
-0.274 - -0.118	-0.18757	-0.11862	-0.23101	-0.21692	-0.07171	-0.33103
-0.429 - -0.274	-0.31594	-0.27432	-0.38569	-0.39293	-0.24068	-0.45852
-0.585 - -0.429	-0.48665	-0.43583	-0.55271	-0.57910	-0.40813	-0.69439
-0.741 - -0.585	-0.67561	-0.58745	-0.73796	-0.74975	-0.32636	-0.93451
-0.897 - -0.741	-0.79378	-0.74708	-0.85154	-0.90094	-0.64842	-1.29040
-1.052 - -0.897	-0.97917	-0.89664	-1.05216	-1.16573	-0.93451	-1.29040
-1.208 - -1.052	-1.14443	-1.06102	-1.20356	-1.27658	-1.09174	-1.29040
-1.364 - -1.208	-1.27338	-1.21039	-1.36365	-1.29040	-1.29040	-1.29040

### **Node=End Groups Score Distributions**

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.756 - 1.919	1.91861	1.91861	1.91861	1.92987	1.92987	1.92987
1.594 - 1.756	1.64267	1.69720	1.60954	1.83260	1.86701	1.80838
1.432 - 1.594	1.49972	1.56288	1.45592	1.69069	1.84202	1.54878
1.269 - 1.432	1.36316	1.42935	1.27894	1.49552	1.63777	1.33391
1.107 - 1.269	1.18910	1.26734	1.10742	1.32391	1.53621	1.08384
0.945 - 1.107	1.02115	1.09572	0.95062	1.18650	1.36860	0.98555
0.782 - 0.945	0.86516	0.94302	0.80069	0.91812	1.17083	0.75001
0.620 - 0.782	0.69103	0.78087	0.62207	0.79183	1.29756	0.53897
0.458 - 0.620	0.53184	0.61920	0.46962	0.63617	0.85495	0.37720
0.295 - 0.458	0.36653	0.40952	0.30773	0.43312	0.93917	0.30288
0.133 - 0.295	0.21012	0.28592	0.14632	0.24761	0.48660	0.06635
-0.029 - 0.133	0.05923	0.11761	-0.01927	0.05166	0.22515	-0.18592
-0.192 - 0.029	-0.11560	-0.05672	-0.18845	-0.08790	0.04068	-0.24068
-0.354 - 0.192	-0.26174	-0.21019	-0.32075	-0.30769	-0.15603	-0.72267
-0.516 - 0.354	-0.42631	-0.36223	-0.50383	-0.44531	-0.24068	-0.69439
-0.679 - 0.516	-0.59034	-0.53152	-0.66623	-0.64593	-0.32636	-0.84532
-0.841 - 0.679	-0.74349	-0.69047	-0.79188	-0.84511	-0.64842	-1.03562
-1.003 - 0.841	-0.91210	-0.84627	-0.99240	-1.09837	-0.84532	-1.29040
-1.166 - 1.003	-1.09430	-1.00581	-1.16356	-1.27526	-1.09174	-1.29040
-1.328 - 1.166	-1.23434	-1.17240	-1.32793	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.552 - 1.706	1.68750	1.70593	1.66414	1.85356	1.92987	1.80838
1.397 - 1.552	1.45000	1.54632	1.39823	1.59096	1.86701	1.43354
1.243 - 1.397	1.32666	1.38556	1.24571	1.47878	1.72308	1.23607
1.088 - 1.243	1.16831	1.23988	1.09790	1.30875	1.46801	1.12236
0.934 - 1.088	1.01983	1.08762	0.93728	1.16375	1.33391	0.86781
0.780 - 0.934	0.84717	0.93276	0.79278	0.90051	1.13831	0.71868
0.625 - 0.780	0.70822	0.77768	0.63671	0.83466	1.14698	0.61604
0.471 - 0.625	0.56410	0.62506	0.48386	0.67101	0.84998	0.47553
0.317 - 0.471	0.39660	0.46863	0.32132	0.40541	0.57270	0.25719
0.162 - 0.317	0.23929	0.31347	0.16762	0.25909	0.43009	0.06635
0.008 - 0.162	0.07954	0.16189	0.00972	0.10306	0.38174	-0.16851
-0.147 - 0.008	-0.07497	0.00462	-0.14038	-0.08013	0.17117	-0.24068
-0.301 - 0.147	-0.22417	-0.14961	-0.29077	-0.22605	-0.12797	-0.34179
-0.455 - 0.301	-0.37842	-0.31332	-0.43938	-0.47951	-0.24068	-0.76554
-0.610 - 0.455	-0.52368	-0.45782	-0.60529	-0.56527	-0.32636	-0.72860
-0.764 - 0.610	-0.67762	-0.63617	-0.75896	-0.78549	-0.56812	-0.93451
-0.918 - 0.764	-0.82907	-0.76966	-0.91487	-0.94172	-0.76554	-1.11166
-1.073 - 0.918	-1.00972	-0.94929	-1.06387	-1.21999	-0.95955	-1.29040
-1.227 - 1.073	-1.15182	-1.07974	-1.22626	-1.28331	-1.15235	-1.29040
-1.382 - 1.227	-1.27928	-1.24300	-1.38159	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.547 - 1.698	1.65129	1.69837	1.55777	1.85692	1.92987	1.80838
1.395 - 1.547	1.46442	1.52867	1.40724	1.57541	1.84202	1.44384
1.243 - 1.395	1.31585	1.38595	1.24634	1.48088	1.63777	1.36860
1.091 - 1.243	1.15261	1.23782	1.09811	1.29729	1.65655	1.08384
0.939 - 1.091	1.02651	1.08579	0.95831	1.15066	1.36680	0.97422
0.788 - 0.939	0.85056	0.90059	0.79639	0.95669	1.17083	0.85495
0.636 - 0.788	0.71708	0.78618	0.63780	0.81464	1.22737	0.53897
0.484 - 0.636	0.56349	0.63376	0.48665	0.64904	0.91488	0.25719
0.332 - 0.484	0.41759	0.47123	0.33607	0.52008	0.79170	0.36155
0.181 - 0.332	0.26729	0.33065	0.18535	0.30304	0.45315	0.08931
0.029 - 0.181	0.10435	0.17704	0.04594	0.13305	0.40630	-0.16851
-0.123 - 0.029	-0.03994	0.02062	-0.11955	-0.05743	0.22515	-0.24068
-0.275 - -0.123	-0.18118	-0.12326	-0.27099	-0.17535	-0.01343	-0.34179
-0.427 - -0.275	-0.35432	-0.27973	-0.42135	-0.38726	-0.30409	-0.45852
-0.578 - -0.427	-0.50051	-0.43396	-0.57538	-0.62876	-0.40813	-0.93451
-0.730 - -0.578	-0.64495	-0.58379	-0.71547	-0.76964	-0.56687	-0.95955
-0.882 - -0.730	-0.81464	-0.74080	-0.87513	-0.92883	-0.69337	-1.29040
-1.034 - -0.882	-0.97820	-0.93050	-1.03092	-1.17430	-0.94788	-1.29040
-1.186 - -1.034	-1.11002	-1.03689	-1.18519	-1.27637	-1.11166	-1.29040
-1.337 - -1.186	-1.25022	-1.19334	-1.33733	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.672 - 1.836	1.76550	1.83635	1.69464	1.88595	1.92987	1.84202
1.508 - 1.672	1.61002	1.66459	1.52458	1.78199	1.86701	1.65655
1.344 - 1.508	1.42193	1.48221	1.35317	1.59697	1.80838	1.38921
1.180 - 1.344	1.25531	1.33736	1.18909	1.40846	1.61852	1.08384
1.016 - 1.180	1.10951	1.17887	1.02283	1.26151	1.51415	0.98555
0.852 - 1.016	0.92348	0.98923	0.86294	1.05897	1.24818	0.83692
0.688 - 0.852	0.75090	0.84958	0.69107	0.84163	1.14199	0.65182
0.524 - 0.688	0.61657	0.67651	0.53940	0.69195	0.88977	0.47661
0.360 - 0.524	0.44660	0.52283	0.36044	0.50786	0.84998	0.25719
0.196 - 0.360	0.26619	0.34340	0.20137	0.29868	0.51841	0.06635
0.032 - 0.196	0.11077	0.19107	0.03159	0.16709	0.38174	0.00927
-0.133 - 0.032	-0.04109	0.02951	-0.12402	-0.06444	0.13852	-0.33103
-0.297 - -0.133	-0.20703	-0.13677	-0.29191	-0.24892	-0.02557	-0.59657
-0.461 - -0.297	-0.35731	-0.30023	-0.45483	-0.40659	-0.15603	-0.72191
-0.625 - -0.461	-0.53565	-0.47449	-0.60411	-0.64242	-0.24068	-0.88860
-0.789 - -0.625	-0.71591	-0.64508	-0.77575	-0.81375	-0.64842	-0.93451
-0.953 - -0.789	-0.86879	-0.79730	-0.95024	-1.04292	-0.68686	-1.29040
-1.117 - -0.953	-1.03832	-0.96041	-1.11588	-1.23951	-0.76554	-1.29040
-1.281 - -1.117	-1.18748	-1.11782	-1.27763	-1.29040	-1.29040	-1.29040
-1.445 - -1.281	-1.37086	-1.29686	-1.44513	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.534 - 1.685	1.62723	1.68479	1.57411	1.82563	1.86701	1.77106
1.383 - 1.534	1.47478	1.52839	1.43138	1.63318	1.80838	1.46404
1.232 - 1.383	1.31892	1.38086	1.24345	1.48574	1.65655	1.33863
1.081 - 1.232	1.14026	1.22527	1.08799	1.29715	1.53621	1.08384
0.930 - 1.081	1.02146	1.07932	0.95889	1.16307	1.36860	0.98555
0.779 - 0.930	0.84691	0.92011	0.78526	0.94213	1.14698	0.65182
0.628 - 0.779	0.69363	0.77156	0.63052	0.78729	0.93917	0.61604
0.477 - 0.628	0.56587	0.62699	0.48228	0.66505	0.85495	0.36845
0.326 - 0.477	0.39427	0.47207	0.33882	0.46680	0.79170	0.25283
0.175 - 0.326	0.25091	0.32229	0.17754	0.26011	0.45315	0.06635
0.024 - 0.175	0.10127	0.16704	0.02879	0.09733	0.45315	-0.16851
-0.127 - 0.024	-0.02893	0.02369	-0.10090	-0.02649	0.16052	-0.33103
-0.278 - -0.127	-0.17609	-0.14079	-0.23520	-0.19889	0.03319	-0.34179
-0.429 - -0.278	-0.35002	-0.29598	-0.42807	-0.37619	-0.13485	-0.56687
-0.580 - -0.429	-0.49111	-0.43027	-0.57812	-0.52778	-0.32636	-0.72267
-0.731 - -0.580	-0.65886	-0.59018	-0.71961	-0.82687	-0.62748	-1.29040
-0.882 - -0.731	-0.77042	-0.73440	-0.84458	-0.88817	-0.72860	-1.03562
-1.033 - -0.882	-0.96887	-0.88643	-1.02656	-1.21566	-0.95955	-1.29040
-1.184 - -1.033	-1.11149	-1.03536	-1.18015	-1.26411	-1.07430	-1.29040
-1.335 - -1.184	-1.24562	-1.18629	-1.33478	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.668 - 1.828	1.82813	1.82813	1.82813	1.92987	1.92987	1.92987
1.507 - 1.668	1.58978	1.66179	1.51497	1.75680	1.86701	1.54878
1.347 - 1.507	1.42857	1.47689	1.39098	1.52015	1.65655	1.38921
1.186 - 1.347	1.27603	1.34564	1.19867	1.47080	1.65655	1.26974
1.026 - 1.186	1.12526	1.18544	1.04105	1.28126	1.51415	0.98555
0.865 - 1.026	0.94000	1.01033	0.86732	1.07605	1.24818	0.85049
0.705 - 0.865	0.76107	0.86228	0.70926	0.82260	1.17083	0.55237
0.544 - 0.705	0.63070	0.70384	0.55271	0.71050	1.13831	0.40630
0.384 - 0.544	0.45480	0.53574	0.39296	0.53130	0.84998	0.24534
0.224 - 0.384	0.29621	0.38310	0.23328	0.37213	0.62815	0.16562
0.063 - 0.224	0.15354	0.22194	0.06553	0.17112	0.35635	-0.01183
-0.097 - 0.063	-0.00120	0.05511	-0.08718	-0.01640	0.25283	-0.24068
-0.258 - -0.097	-0.16963	-0.12069	-0.24499	-0.18769	0.06480	-0.39330
-0.418 - -0.258	-0.31813	-0.26059	-0.40841	-0.35115	-0.12797	-0.50236
-0.579 - -0.418	-0.51271	-0.43690	-0.56066	-0.65112	-0.40813	-0.84532
-0.739 - -0.579	-0.65303	-0.58302	-0.69461	-0.79957	-0.64842	-1.03562
-0.900 - -0.739	-0.83904	-0.78540	-0.87784	-1.06710	-0.80438	-1.29040
-1.060 - -0.900	-0.99877	-0.90979	-1.05898	-1.19491	-0.93451	-1.29040
-1.221 - -1.060	-1.12511	-1.06197	-1.21969	-1.27869	-1.03562	-1.29040
-1.381 - -1.221	-1.27475	-1.22731	-1.38096	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.689 - 1.848	1.84816	1.84816	1.84816	1.92987	1.92987	1.92987
1.531 - 1.689	1.57623	1.63184	1.53065	1.75442	1.86701	1.65655
1.372 - 1.531	1.43880	1.52619	1.37876	1.57927	1.82242	1.46404
1.213 - 1.372	1.29498	1.36363	1.23897	1.42114	1.63777	1.12236
1.054 - 1.213	1.11262	1.19837	1.06792	1.26262	1.46801	1.08384
0.895 - 1.054	0.97839	1.04639	0.90836	1.17251	1.36680	0.80905
0.736 - 0.895	0.82791	0.88028	0.74418	0.91324	1.13168	0.71868
0.578 - 0.736	0.65297	0.72597	0.58030	0.78539	0.97422	0.61604
0.419 - 0.578	0.50719	0.57632	0.42084	0.55292	0.71868	0.40322
0.260 - 0.419	0.32989	0.40801	0.27283	0.35505	0.60373	0.06635
0.101 - 0.260	0.18469	0.25201	0.10682	0.23359	0.45315	0.06635
-0.058 - 0.101	0.04005	0.09982	-0.05649	0.04985	0.26501	-0.16851
-0.216 - -0.058	-0.12950	-0.05770	-0.20950	-0.13359	0.06480	-0.30409
-0.375 - -0.216	-0.30509	-0.26466	-0.36916	-0.31301	-0.15603	-0.45852
-0.534 - -0.375	-0.44663	-0.38545	-0.51918	-0.48264	-0.32636	-0.76554
-0.693 - -0.534	-0.60819	-0.55082	-0.68892	-0.69113	-0.50236	-0.93451
-0.852 - -0.693	-0.77245	-0.69316	-0.82463	-0.91174	-0.64842	-1.29040
-1.011 - -0.852	-0.95088	-0.87696	-1.00477	-1.12804	-0.93451	-1.29040
-1.169 - -1.011	-1.09421	-1.01273	-1.16833	-1.27766	-1.15235	-1.29040
-1.328 - -1.169	-1.23258	-1.17614	-1.32816	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.676 - 1.836	1.79335	1.83635	1.75035	1.89844	1.92987	1.86701
1.516 - 1.676	1.59025	1.60617	1.55777	1.78439	1.82242	1.73571
1.355 - 1.516	1.41537	1.50307	1.35937	1.54102	1.84202	1.38921
1.195 - 1.355	1.28731	1.35317	1.19714	1.40434	1.63777	1.12236
1.035 - 1.195	1.12239	1.18899	1.04591	1.23188	1.41251	1.08384
0.874 - 1.035	0.95703	1.03297	0.87901	0.96245	1.36680	-1.29040
0.714 - 0.874	0.79823	0.86467	0.71573	0.76983	1.22737	-0.72267
0.554 - 0.714	0.61740	0.69922	0.56023	0.60018	1.13831	-1.29040
0.393 - 0.554	0.46026	0.54829	0.39382	0.54688	0.81845	0.36845
0.233 - 0.393	0.30604	0.39166	0.23584	0.22713	1.56639	-1.29040
0.073 - 0.233	0.14976	0.21750	0.07295	0.07941	1.65655	-1.29040
-0.088 - 0.073	0.00202	0.07044	-0.08357	0.09873	1.45401	-0.72191
-0.248 - -0.088	-0.16012	-0.10913	-0.24184	-0.15408	1.72308	-1.29040
-0.408 - -0.248	-0.32707	-0.26541	-0.40517	-0.27370	1.30987	-1.29040
-0.569 - -0.408	-0.50706	-0.41205	-0.56510	-0.43825	0.97422	-1.29040
-0.729 - -0.569	-0.65220	-0.57538	-0.72520	-0.54830	1.24406	-1.07980
-0.890 - -0.729	-0.78367	-0.73399	-0.86837	-0.62087	1.24885	-1.29040
-1.050 - -0.890	-0.98117	-0.89273	-1.04518	-1.19988	-0.93451	-1.29040
-1.210 - -1.050	-1.13815	-1.05898	-1.20832	-1.26331	-0.32636	-1.29040
-1.371 - -1.210	-1.27759	-1.22125	-1.37058	-1.29040	-1.29040	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	339
2	^(fold_=2)	356
3	^(fold_=3)	334
4	^(fold_=4)	342
5	^(fold_=5)	341
6	^(fold_=6)	344
7	^(fold_=7)	351
8	^(fold_=8)	344

## SAS Enterprise Miner Report

### Node=HP Regression LASSO Summary

Node id = HPReg4  
 Node label = HP Regression LASSO  
 Meta path = Ids => Trans => Grp7 => HPReg4  
 Notes =

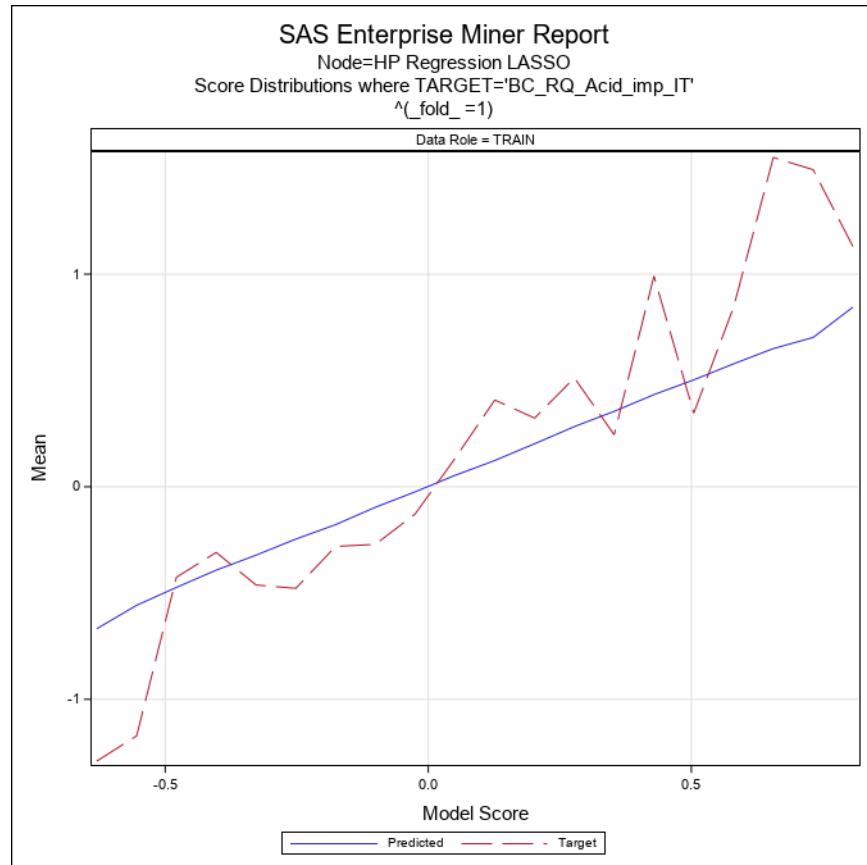
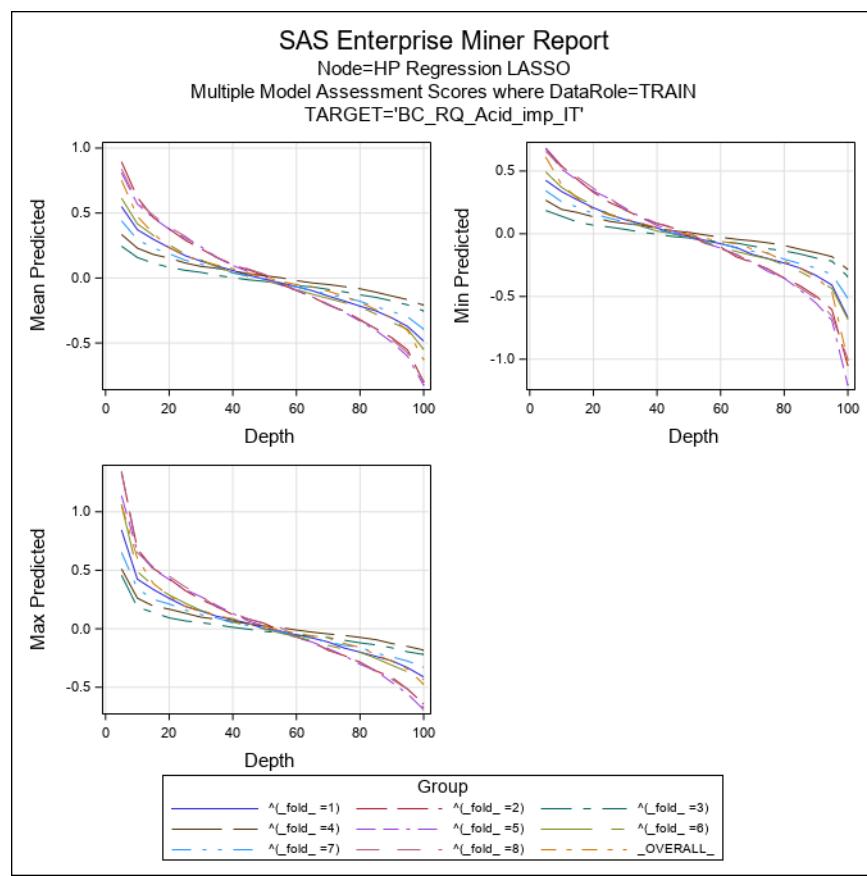
### Node=HP Regression LASSO Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	HPDMReg		MAXFUNC	.		Polynomial	N	
ABSCONV	.		MAXITER	.		PolynomialDegree	2	
ABSFCONV	.		MAXTIME	.		SLEntry	0.1	0.05
ABSGCConv	.		MINITER	.		SLStay	0.2	0.05
EXCLUDEDVARIABLE	REJECT		MISSASLVL	N		SelectCriterion	ADJRSQ	DEFAULT
Error	NORMAL	LOGISTIC	MainEffect	Y		SelectMethod	LASSO	NONE
FCONV	.		MaxEffects	0		SelectUseDefault	Y	
GCONV	.		MaxSteps	0		StopCriterion	ADJRSQ	DEFAULT
Hierarchy	NONE		MinEffects	0		SuppressIntercept	N	
Host	Local		NCPU	Actual		SuppressOutput	N	
Interactions			NNode	0		TECH	NRRIDG	
LinkFunction	LOGIT		NORMALIZE	Y		Term	Y	
LogDetails	N		NThreads	Default		Timeout	120	

### Node=HP Regression LASSO Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	22	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

Group Index	Group	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	^(fold_=1)	BC_RQ_Acid_imp_IT	0.85811	344	2.10580	344	0.92634	295.190	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	BC_RQ_Acid_imp_IT	0.80432	344	2.30598	344	0.89684	276.687	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	BC_RQ_Acid_imp_IT	0.93182	341	1.91990	341	0.96531	317.752	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	BC_RQ_Acid_imp_IT	0.93923	344	1.89496	344	0.96914	323.094	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	BC_RQ_Acid_imp_IT	0.80384	333	2.25343	333	0.89657	267.678	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	BC_RQ_Acid_imp_IT	0.84899	355	2.13985	355	0.92140	301.390	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	BC_RQ_Acid_imp_IT	0.91325	351	2.11791	351	0.95564	320.551	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	BC_RQ_Acid_imp_IT	0.83538	344	2.21379	344	0.91399	287.370	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	0.85474	393	2.30598	393	0.92452	335.915	ReQuest (acid subscale) (Box-Cox transformed)

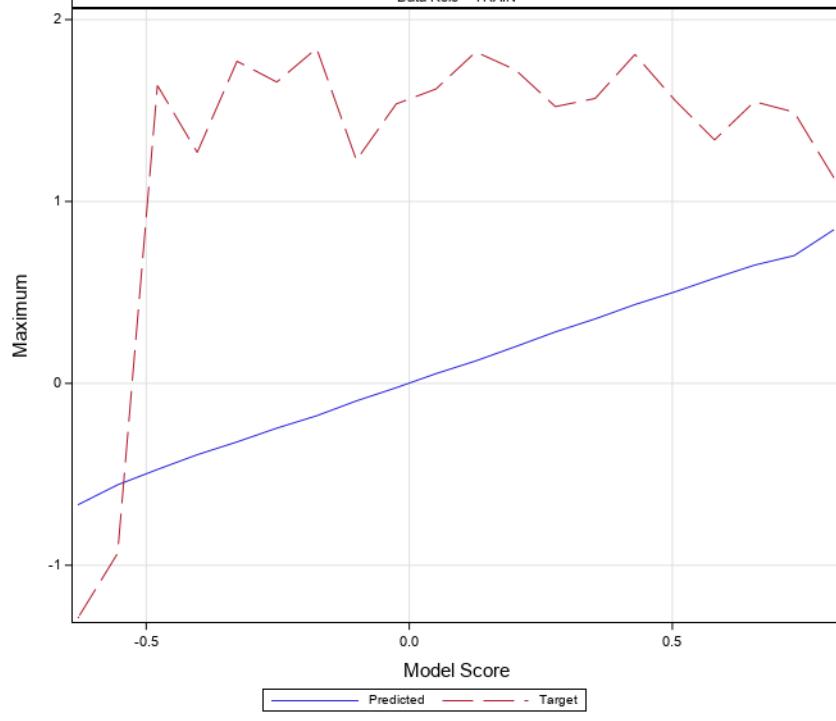


**SAS Enterprise Miner Report**

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

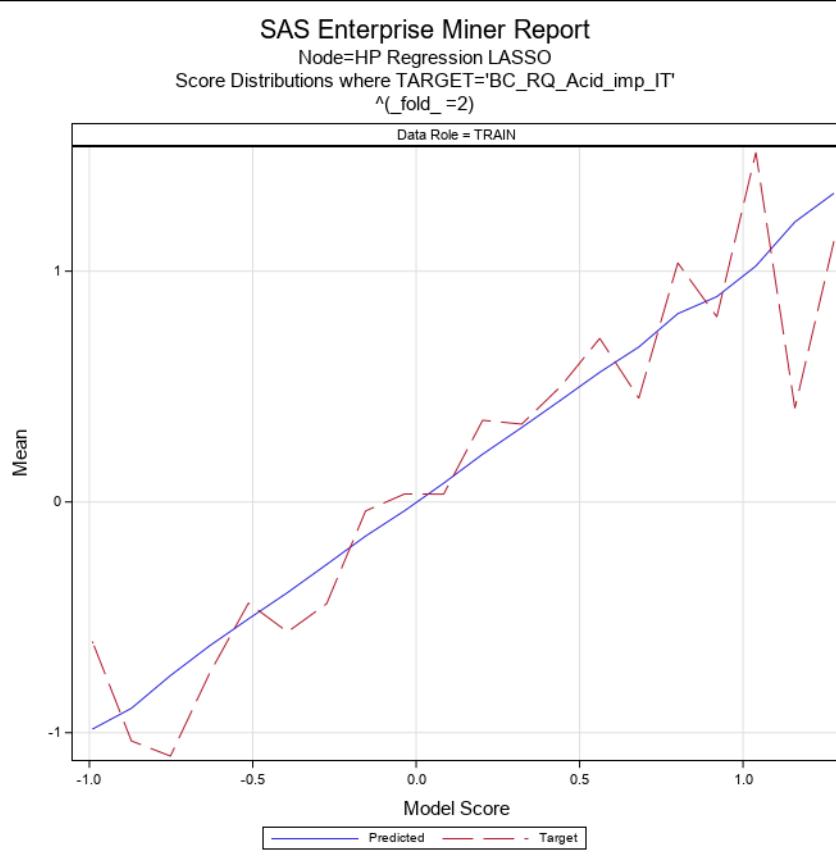
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

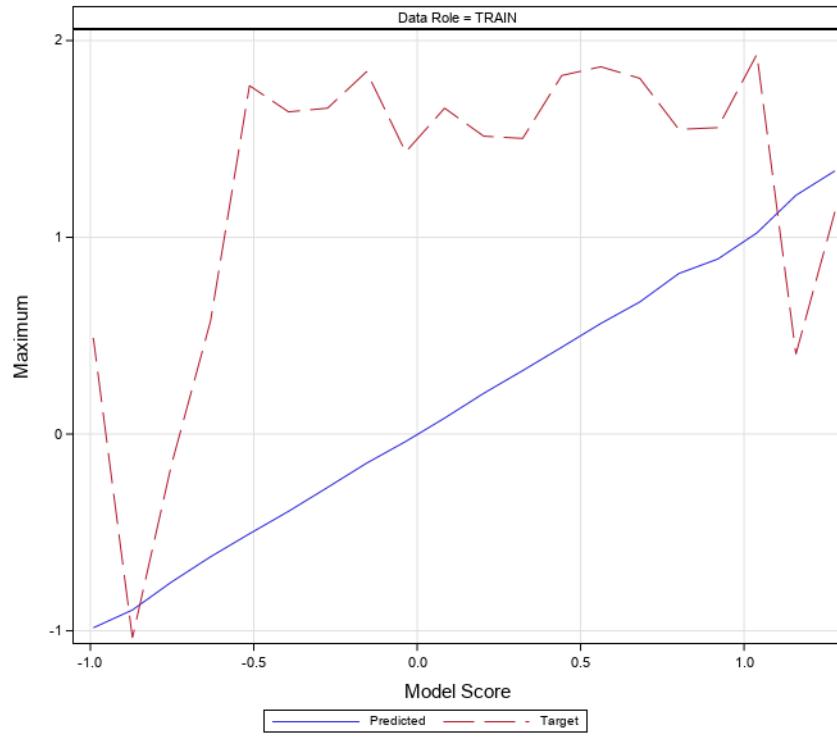


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

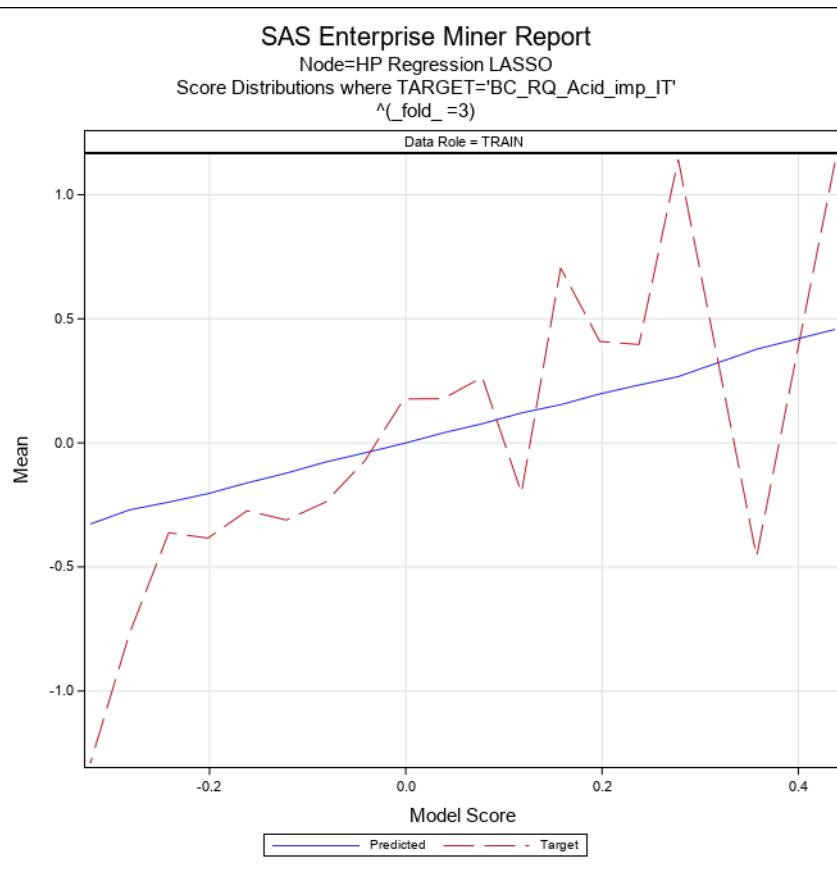


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

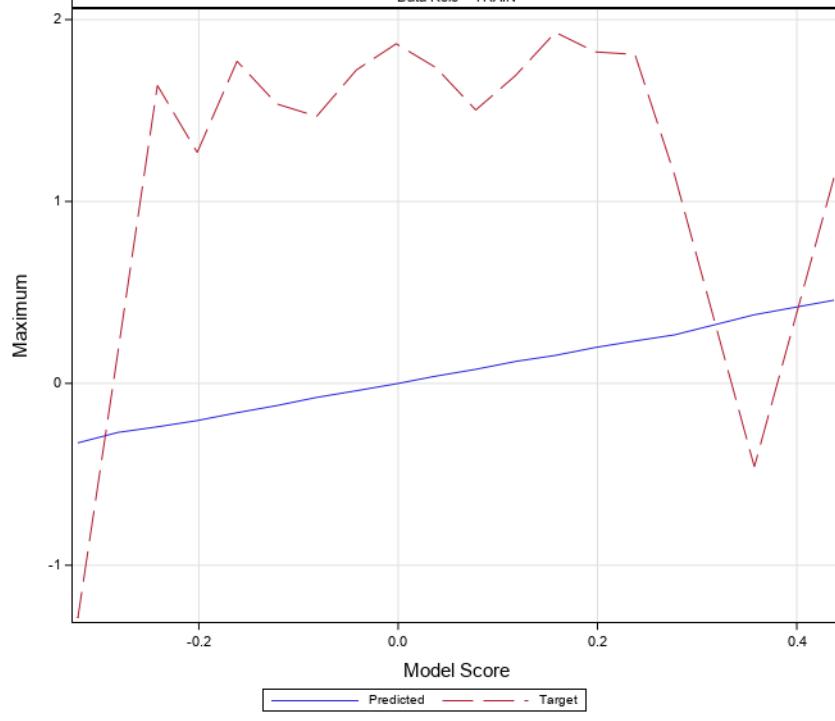


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

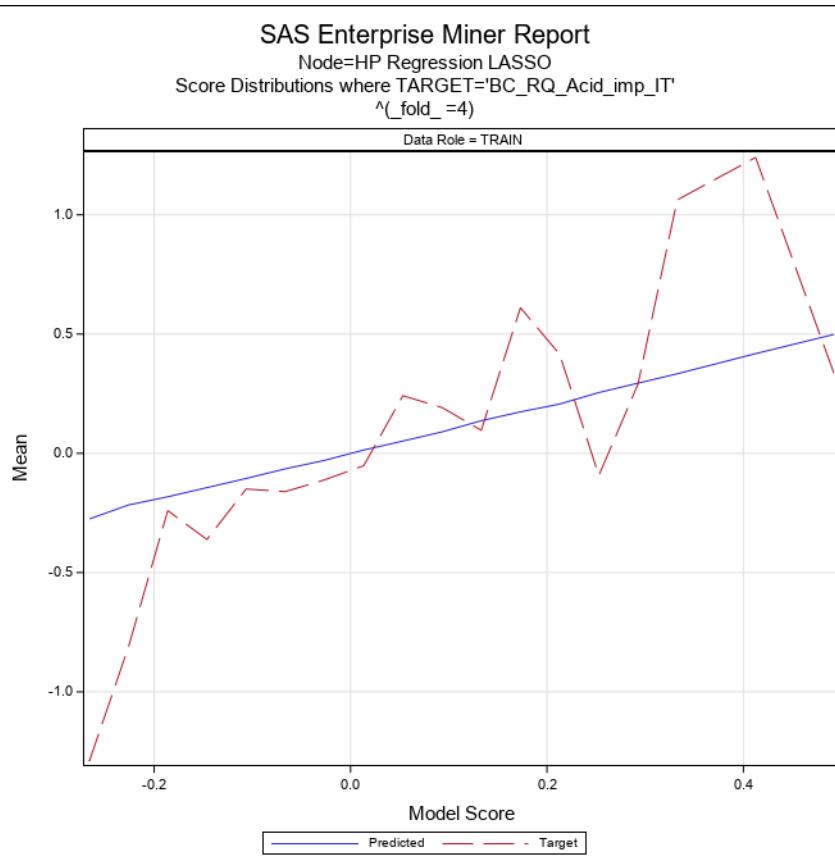


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

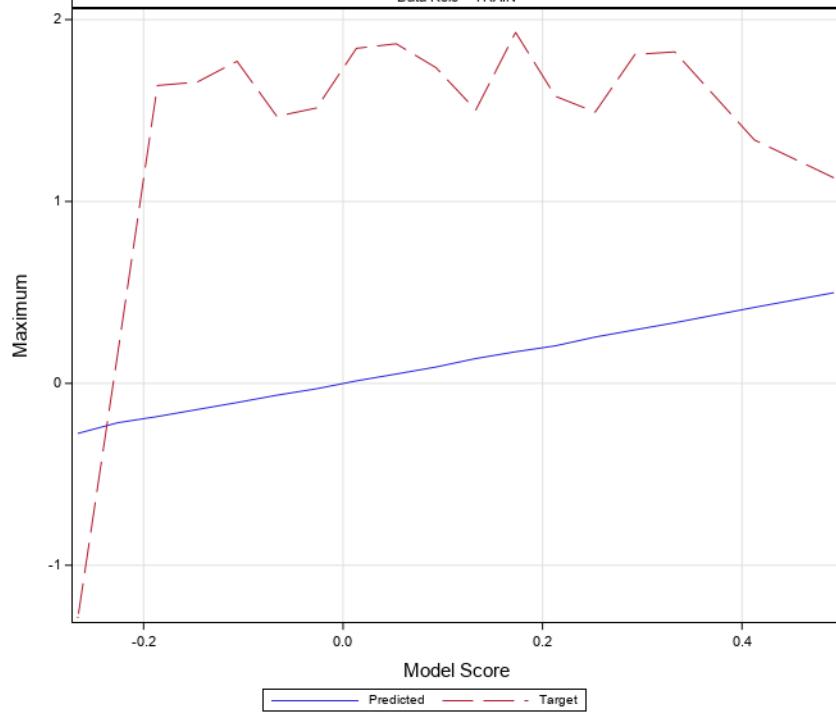


**SAS Enterprise Miner Report**

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

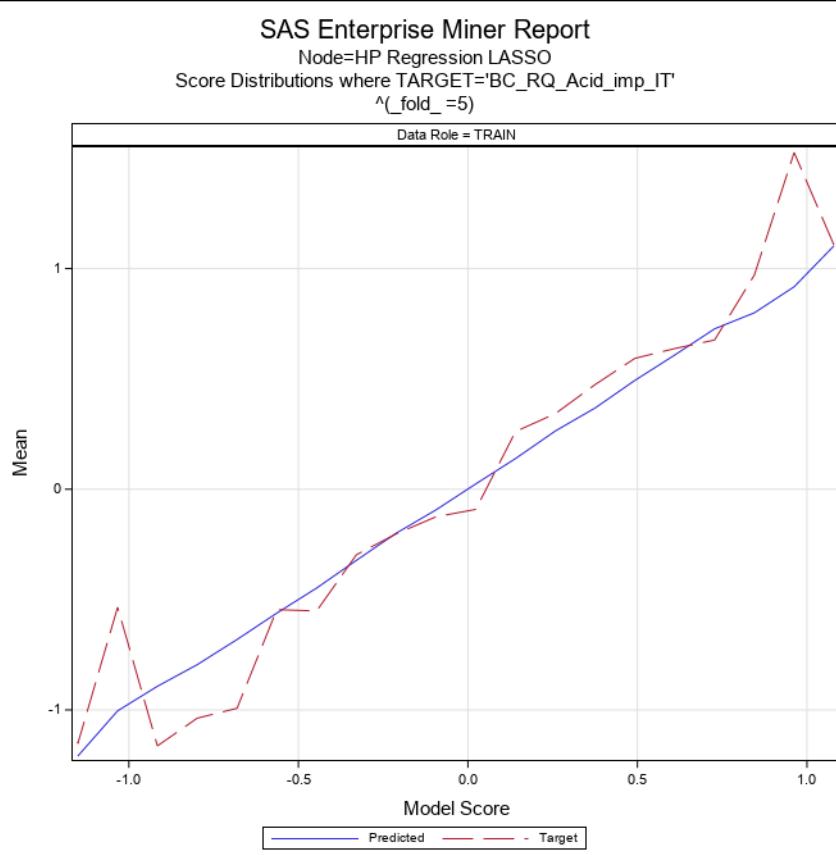
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

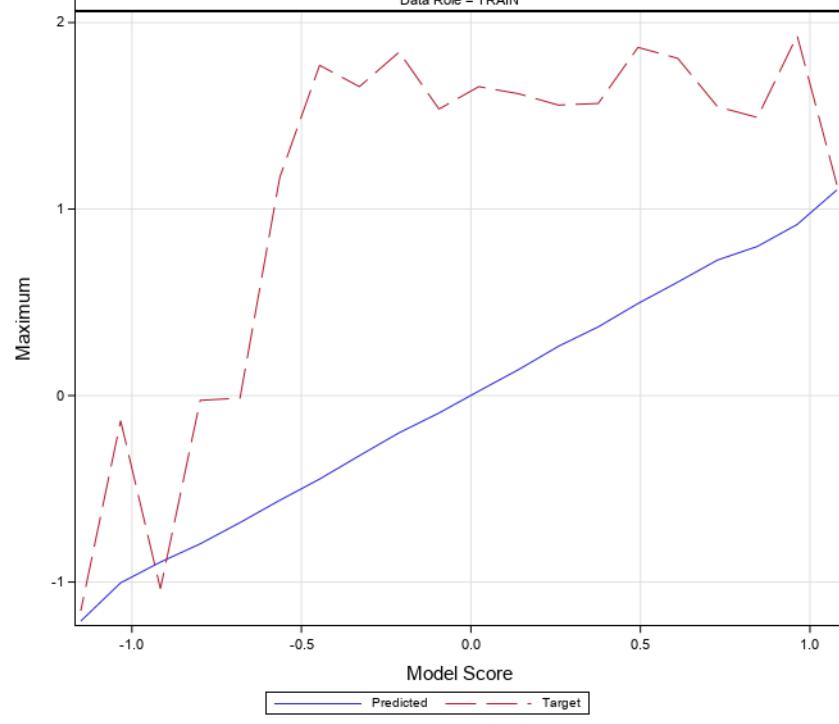


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

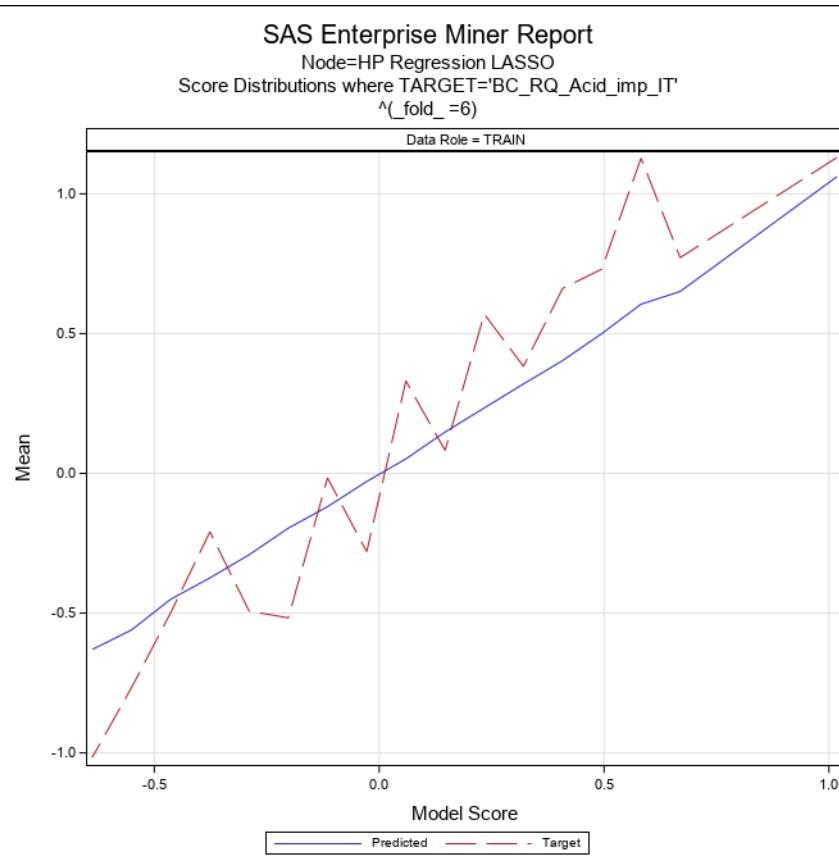


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

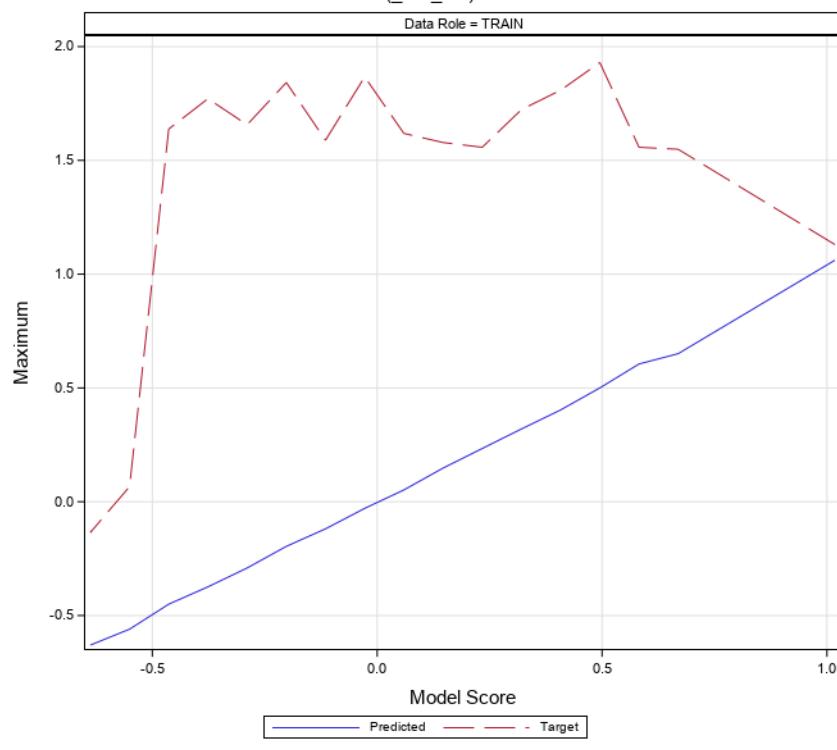


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

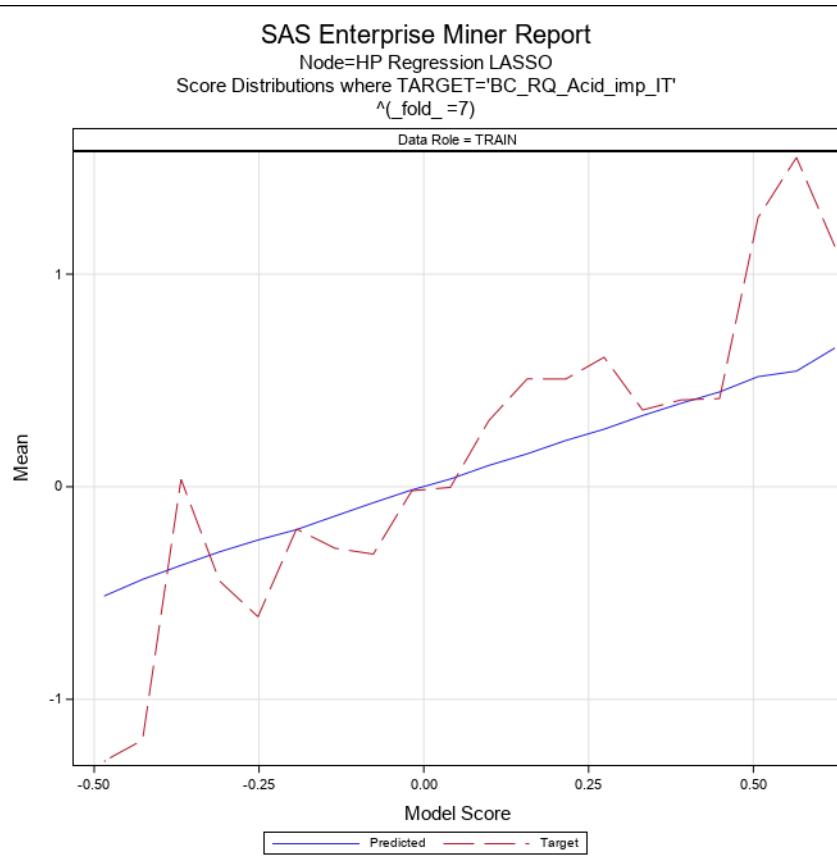


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

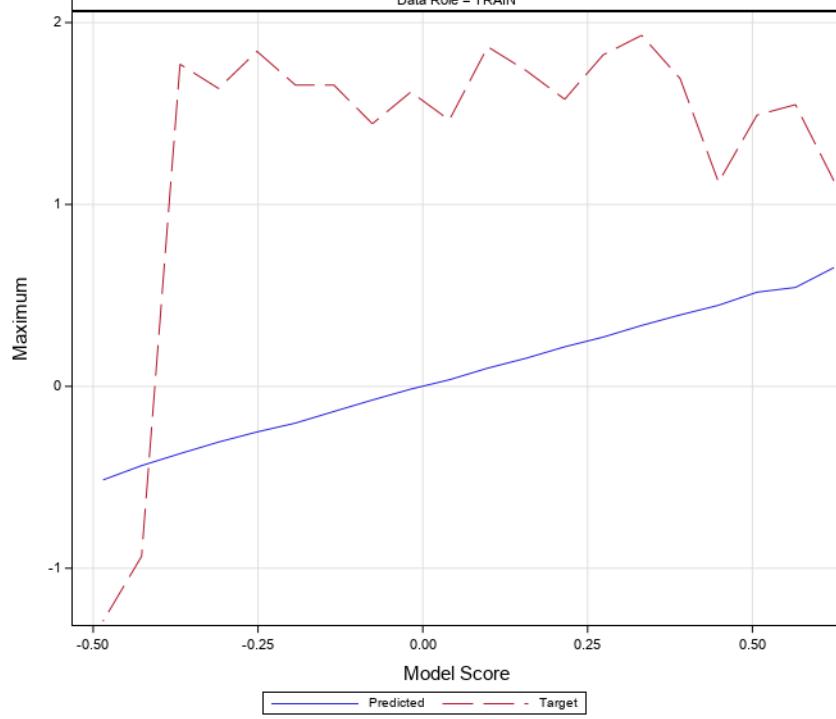


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

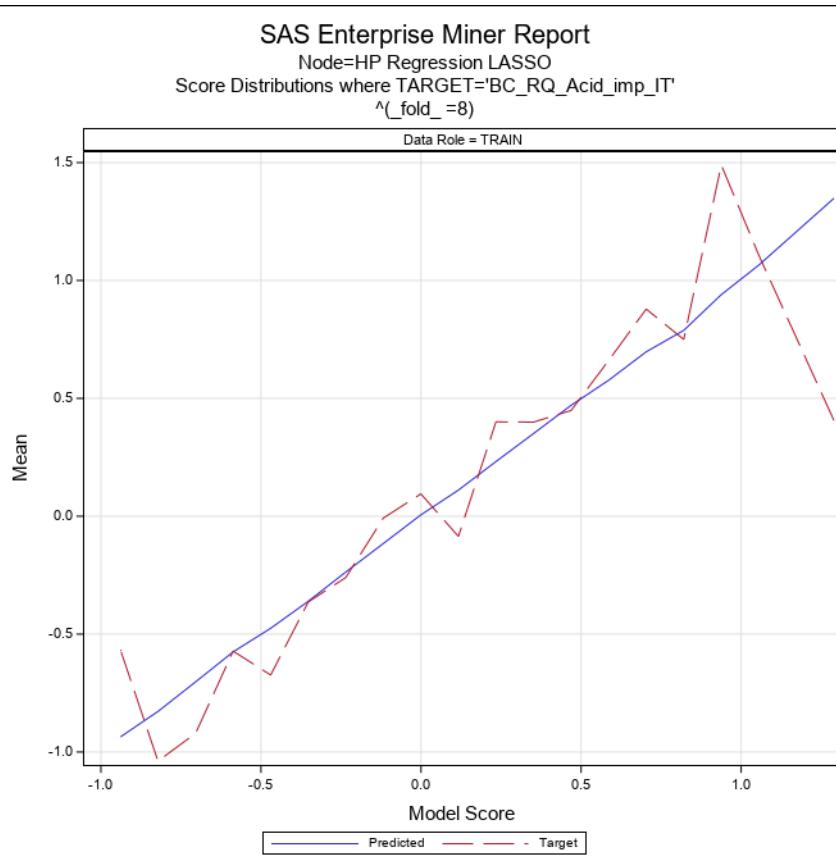


### SAS Enterprise Miner Report

Node=HP Regression LASSO

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

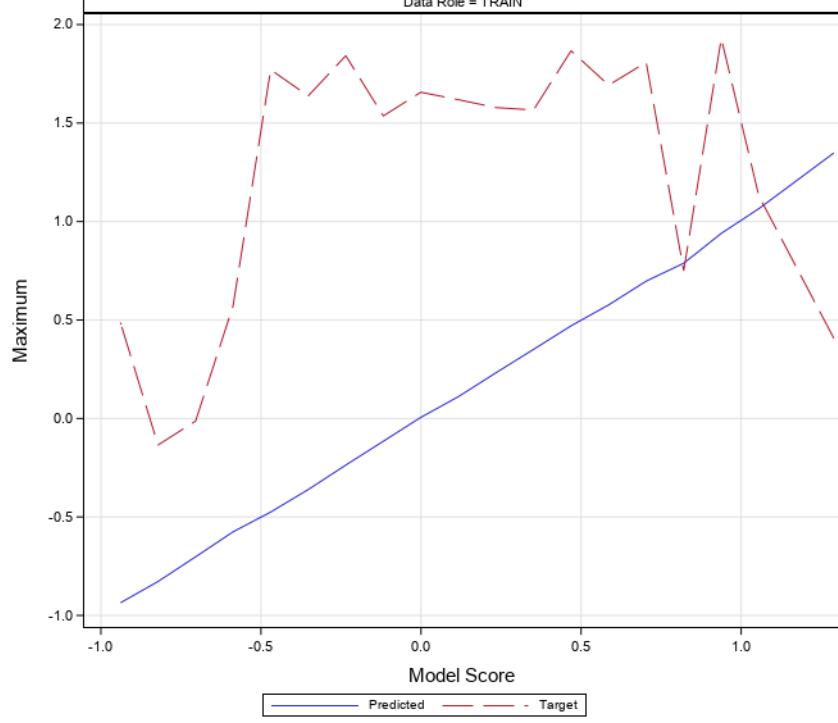
Data Role = TRAIN



### SAS Enterprise Miner Report

Node=HP Regression LASSO  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}8)$

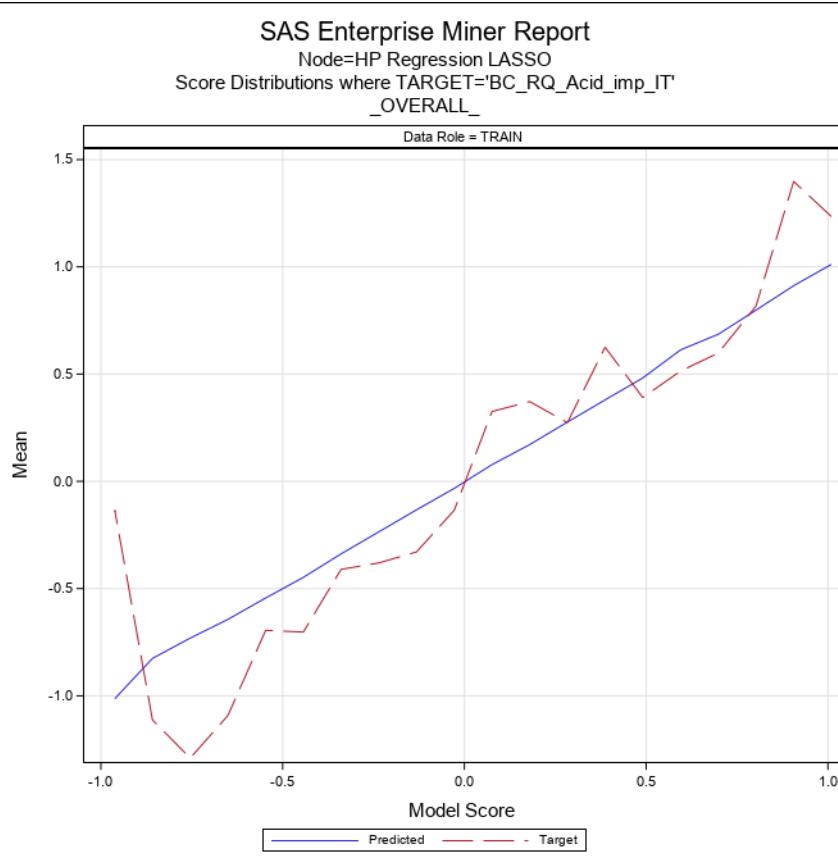
Data Role = TRAIN

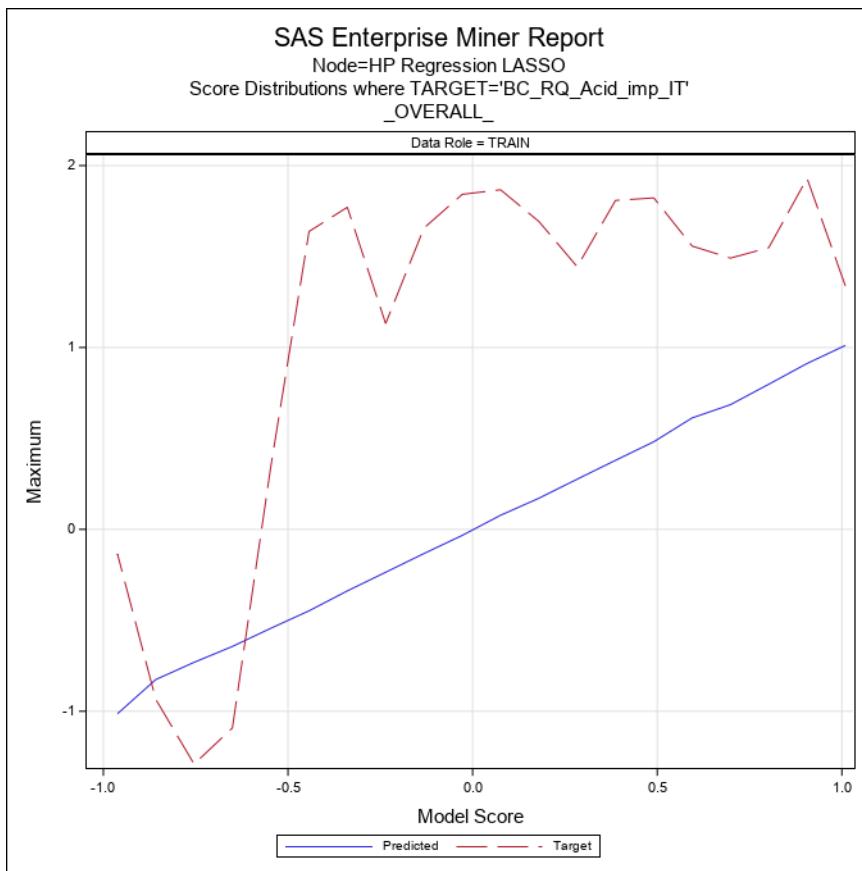


### SAS Enterprise Miner Report

Node=HP Regression LASSO  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}8)$   
 $\wedge(\text{overall}_\text{=1})$

Data Role = TRAIN





### Node=HP Regression LASSO

#### Score Distributions

Group= $\wedge(\text{fold}_\text{=}1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.769 - 0.845	0.84494	0.84494	0.84494	1.12996	1.12996	1.12996
0.694 - 0.769	0.70235	0.70235	0.70235	1.49143	1.49143	1.49143
0.618 - 0.694	0.64980	0.64980	0.64980	1.54878	1.54878	1.54878
0.542 - 0.618	0.57809	0.61519	0.54492	0.84408	1.33863	0.16562
0.467 - 0.542	0.50267	0.53785	0.47128	0.34631	1.55764	-0.98338
0.391 - 0.467	0.43331	0.46438	0.40584	0.99084	1.80838	-0.93451
0.315 - 0.391	0.35458	0.37634	0.32919	0.24455	1.56639	-1.29040
0.240 - 0.315	0.28296	0.31191	0.24013	0.51214	1.52157	-1.29040
0.164 - 0.240	0.20228	0.23964	0.16564	0.32292	1.72308	-1.29040
0.089 - 0.164	0.12346	0.16340	0.08964	0.40802	1.82242	-1.29040
0.013 - 0.089	0.05340	0.08730	0.01401	0.13302	1.61852	-1.29040
-0.063 - 0.013	-0.02384	0.01248	-0.06190	-0.12767	1.53621	-1.29040
-0.138 - -0.063	-0.09646	-0.06661	-0.13589	-0.27108	1.22737	-1.29040
-0.214 - -0.138	-0.17820	-0.14217	-0.21213	-0.28059	1.84202	-1.29040
-0.290 - -0.214	-0.24622	-0.21630	-0.27585	-0.47783	1.65655	-1.29040
-0.365 - -0.290	-0.32185	-0.29685	-0.35702	-0.46215	1.77106	-1.29040
-0.441 - -0.365	-0.39226	-0.37149	-0.41375	-0.30904	1.26974	-1.29040
-0.517 - -0.441	-0.47339	-0.45561	-0.49301	-0.42547	1.63777	-1.29040
-0.592 - -0.517	-0.55769	-0.54565	-0.56911	-1.17177	-0.93451	-1.29040
-0.668 - -0.592	-0.66777	-0.66777	-0.66777	-1.29040	-1.29040	-1.29040

### Node=HP Regression LASSO

#### Score Distributions

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.218 - 1.338	1.33780	1.33780	1.33780	1.12996	1.12996	1.12996
1.099 - 1.218	1.21357	1.21357	1.21357	0.40630	0.40630	0.40630
0.980 - 1.099	1.02247	1.04673	1.00165	1.51455	1.92987	1.12236
0.860 - 0.980	0.88982	0.90827	0.86644	0.80234	1.55764	-0.24068
0.741 - 0.860	0.81598	0.85337	0.74274	1.03612	1.54878	0.16562
0.621 - 0.741	0.67149	0.73531	0.63022	0.44956	1.80838	-0.93451
0.502 - 0.621	0.56204	0.61701	0.50302	0.70895	1.86701	-0.93451
0.383 - 0.502	0.44139	0.50105	0.39508	0.50091	1.82242	-1.29040
0.263 - 0.383	0.32263	0.38028	0.26956	0.33735	1.50288	-1.29040
0.144 - 0.263	0.20701	0.25750	0.14562	0.35393	1.51415	-1.29040
0.024 - 0.144	0.08132	0.14321	0.03145	0.03387	1.65655	-1.29040
-0.095 - 0.024	-0.03792	0.02425	-0.09369	0.03454	1.43354	-1.29040
-0.215 - -0.095	-0.14803	-0.09588	-0.21265	-0.03896	1.84202	-1.29040
-0.334 - -0.215	-0.27122	-0.21542	-0.33330	-0.44128	1.65655	-1.29040
-0.453 - -0.334	-0.39274	-0.34235	-0.44892	-0.56341	1.63777	-1.29040
-0.573 - -0.453	-0.50666	-0.45388	-0.55789	-0.43819	1.77106	-1.29040
-0.692 - -0.573	-0.62395	-0.57917	-0.68433	-0.74375	0.57270	-1.29040
-0.812 - -0.692	-0.75234	-0.72130	-0.79158	-1.10134	-0.15603	-1.29040
-0.931 - -0.812	-0.89431	-0.89431	-0.89431	-1.03562	-1.03562	-1.03562
-1.050 - -0.931	-0.98465	-0.93580	-1.05043	-0.60510	0.48660	-1.29040

## Node=HP Regression LASSO Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.417 - 0.457	0.45725	0.45725	0.45725	1.12996	1.12996	1.12996
0.337 - 0.377	0.37728	0.37728	0.37728	-0.45852	-0.45852	-0.45852
0.258 - 0.298	0.26693	0.26693	0.26693	1.14199	1.14199	1.14199
0.218 - 0.258	0.23306	0.25125	0.21934	0.39642	1.80838	-0.98338
0.178 - 0.218	0.19721	0.21552	0.17837	0.40860	1.82242	-1.29040
0.138 - 0.178	0.15386	0.17378	0.13942	0.70476	1.92987	-0.93451
0.098 - 0.138	0.12063	0.13597	0.09841	-0.20167	1.69276	-1.29040
0.058 - 0.098	0.07717	0.09683	0.05828	0.26408	1.50288	-1.29040
0.018 - 0.058	0.04000	0.05695	0.01863	0.17800	1.73571	-1.29040
-0.022 - 0.018	-0.00238	0.01631	-0.02194	0.17668	1.86701	-1.29040
-0.062 - -0.022	-0.04052	-0.02199	-0.06118	-0.07318	1.72308	-1.29040
-0.102 - -0.062	-0.07728	-0.06204	-0.10069	-0.23903	1.46801	-1.29040
-0.142 - -0.102	-0.12216	-0.10215	-0.14121	-0.31078	1.53621	-1.29040
-0.182 - -0.142	-0.16136	-0.14572	-0.17895	-0.27331	1.77106	-1.29040
-0.222 - -0.182	-0.20459	-0.18273	-0.22126	-0.38377	1.26974	-1.29040
-0.262 - -0.222	-0.23889	-0.22172	-0.25751	-0.36215	1.63777	-1.29040
-0.301 - -0.262	-0.27003	-0.26525	-0.28289	-0.76718	0.16052	-1.29040
-0.341 - -0.301	-0.32719	-0.31297	-0.34141	-1.29040	-1.29040	-1.29040

## Node=HP Regression LASSO Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.472 - 0.512	0.49855	0.51213	0.48498	0.33572	1.12996	-0.45852
0.392 - 0.432	0.41778	0.42633	0.40923	1.24031	1.33863	1.14199
0.313 - 0.353	0.33339	0.34984	0.31600	1.06228	1.82242	0.33895
0.273 - 0.313	0.29418	0.31239	0.27649	0.29035	1.80838	-0.84532

Group=^(fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.233 - 0.273	0.25467	0.27258	0.23607	-0.09337	1.49143	-1.29040
0.193 - 0.233	0.20644	0.22088	0.19427	0.41573	1.57848	-1.29040
0.153 - 0.193	0.17373	0.19220	0.15417	0.61026	1.92987	-1.29040
0.113 - 0.153	0.13657	0.15223	0.12108	0.09638	1.50288	-1.29040
0.073 - 0.113	0.08991	0.11218	0.07359	0.19180	1.73571	-1.29040
0.033 - 0.073	0.05135	0.07285	0.03334	0.24152	1.86701	-1.29040
-0.007 - 0.033	0.01368	0.03302	-0.00625	-0.05210	1.84202	-1.29040
-0.046 - -0.007	-0.02960	-0.00730	-0.04616	-0.11132	1.51415	-1.29040
-0.086 - -0.046	-0.06509	-0.04681	-0.08505	-0.16072	1.46801	-1.29040
-0.126 - -0.086	-0.10550	-0.08916	-0.12599	-0.14975	1.77106	-1.29040
-0.166 - -0.126	-0.14386	-0.12840	-0.15905	-0.36148	1.65655	-1.29040
-0.206 - -0.166	-0.18231	-0.16804	-0.20109	-0.24020	1.63777	-1.29040
-0.246 - -0.206	-0.21657	-0.20698	-0.23722	-0.81043	0.16052	-1.29040
-0.286 - -0.246	-0.27526	-0.26463	-0.28589	-1.29040	-1.29040	-1.29040

## Node=HP Regression LASSO Score Distributions

Group=^(fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.021 - 1.138	1.10298	1.13824	1.06772	1.10690	1.12996	1.08384
0.903 - 1.021	0.91741	0.92221	0.91262	1.52611	1.92987	1.12236
0.786 - 0.903	0.79953	0.80708	0.79338	0.97072	1.49143	0.16562
0.669 - 0.786	0.72681	0.77663	0.68131	0.67628	1.54878	-0.84532
0.551 - 0.669	0.60834	0.66320	0.57310	0.63750	1.80838	-0.93451
0.434 - 0.551	0.49355	0.55103	0.43597	0.59324	1.86701	-0.98338
0.317 - 0.434	0.36837	0.42699	0.31858	0.47455	1.56639	-1.29040
0.199 - 0.317	0.26410	0.31402	0.20481	0.34267	1.55764	-1.29040
0.082 - 0.199	0.13927	0.19881	0.08283	0.26165	1.61852	-1.29040
-0.035 - 0.082	0.02418	0.08175	-0.03408	-0.09132	1.65655	-1.29040
-0.153 - -0.035	-0.09353	-0.03838	-0.15224	-0.12481	1.53621	-1.29040
-0.270 - -0.153	-0.19923	-0.15519	-0.26146	-0.20204	1.84202	-1.29040
-0.388 - -0.270	-0.32213	-0.27092	-0.37410	-0.29690	1.65655	-1.29040
-0.505 - -0.388	-0.44783	-0.39292	-0.50201	-0.55171	1.77106	-1.29040
-0.622 - -0.505	-0.56127	-0.51282	-0.60075	-0.54565	1.17083	-1.29040
-0.740 - -0.622	-0.68107	-0.62357	-0.72753	-0.99272	-0.01343	-1.29040
-0.857 - -0.740	-0.79490	-0.74471	-0.84603	-1.03744	-0.02557	-1.29040
-0.974 - -0.857	-0.89295	-0.87833	-0.90756	-1.16301	-1.03562	-1.29040
-1.092 - -0.974	-1.00415	-0.97701	-1.03129	-0.53468	-0.13485	-0.93451
-1.209 - -1.092	-1.20921	-1.20921	-1.20921	-1.15235	-1.15235	-1.15235

## Node=HP Regression LASSO Score Distributions

Group=^(fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.974 - 1.061	1.06133	1.06133	1.06133	1.12996	1.12996	1.12996
0.626 - 0.713	0.65068	0.67507	0.63036	0.77176	1.54878	-0.45852
0.539 - 0.626	0.60521	0.61233	0.59882	1.12743	1.55764	0.16562
0.451 - 0.539	0.50003	0.53720	0.46717	0.73085	1.92987	-0.53830
0.364 - 0.451	0.40337	0.45076	0.36895	0.66144	1.80838	-0.93451
0.277 - 0.364	0.31968	0.35979	0.27804	0.38271	1.72308	-1.29040
0.190 - 0.277	0.23407	0.27636	0.19108	0.56992	1.55764	-1.29040
0.103 - 0.190	0.14782	0.18699	0.10579	0.08218	1.57848	-1.29040

Group=^(fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.016 - 0.103	0.05177	0.09980	0.01579	0.33055	1.61852	-1.29040
-0.071 - 0.016	-0.02917	0.01529	-0.07013	-0.28010	1.86701	-1.29040
-0.159 - -0.071	-0.11919	-0.07172	-0.15844	-0.01662	1.58869	-1.29040
-0.246 - -0.159	-0.19607	-0.16233	-0.24528	-0.51702	1.84202	-1.29040
-0.333 - -0.246	-0.29118	-0.24758	-0.33165	-0.49257	1.65655	-1.29040
-0.420 - -0.333	-0.37400	-0.33407	-0.40955	-0.20899	1.77106	-1.29040
-0.507 - -0.420	-0.45013	-0.42089	-0.47834	-0.49782	1.63777	-1.29040
-0.594 - -0.507	-0.56009	-0.53296	-0.58678	-0.76609	0.06635	-1.29040
-0.681 - -0.594	-0.62991	-0.59700	-0.68130	-1.01549	-0.13485	-1.29040

## Node=HP Regression LASSO Score Distributions

Group=^(fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.594 - 0.653	0.65284	0.65284	0.65284	1.12996	1.12996	1.12996
0.536 - 0.594	0.54398	0.54398	0.54398	1.54878	1.54878	1.54878
0.478 - 0.536	0.51778	0.52993	0.50840	1.26531	1.49143	1.14199
0.419 - 0.478	0.44591	0.46277	0.42142	0.41474	1.12236	-0.45852
0.361 - 0.419	0.39256	0.41162	0.36603	0.40833	1.69276	-0.98338
0.303 - 0.361	0.33485	0.35934	0.30548	0.36103	1.92987	-0.93451
0.244 - 0.303	0.27088	0.30144	0.24998	0.60925	1.82242	-1.29040
0.186 - 0.244	0.21741	0.24330	0.18719	0.50640	1.57848	-1.29040
0.128 - 0.186	0.15487	0.18519	0.12894	0.50756	1.73571	-1.29040
0.069 - 0.128	0.10023	0.12483	0.07178	0.31065	1.86701	-1.29040
0.011 - 0.069	0.03621	0.06897	0.01213	-0.00317	1.46404	-1.29040
-0.047 - 0.011	-0.01497	0.01046	-0.04687	-0.01890	1.61852	-1.29040
-0.106 - -0.047	-0.07502	-0.04851	-0.10310	-0.31690	1.44384	-1.29040
-0.164 - -0.106	-0.13814	-0.10866	-0.16315	-0.28906	1.65655	-1.29040
-0.222 - -0.164	-0.20185	-0.16894	-0.22233	-0.19912	1.65655	-1.29040
-0.281 - -0.222	-0.25061	-0.22282	-0.27752	-0.61144	1.84202	-1.29040
-0.339 - -0.281	-0.30628	-0.28700	-0.33426	-0.44323	1.63777	-1.29040
-0.397 - -0.339	-0.36974	-0.34685	-0.39438	0.03506	1.77106	-1.03562
-0.456 - -0.397	-0.43578	-0.40880	-0.45547	-1.19161	-0.93451	-1.29040
-0.514 - -0.456	-0.51412	-0.51412	-0.51412	-1.29040	-1.29040	-1.29040

## Node=HP Regression LASSO Score Distributions

Group=^(fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.231 - 1.348	1.34847	1.34847	1.34847	0.40630	0.40630	0.40630
0.997 - 1.114	1.06524	1.10410	1.02637	1.10690	1.12996	1.08384
0.879 - 0.997	0.93990	0.96138	0.89771	1.48982	1.92987	1.14199
0.762 - 0.879	0.78827	0.78827	0.78827	0.75001	0.75001	0.75001
0.645 - 0.762	0.69740	0.74494	0.64490	0.87864	1.80838	-0.24068
0.527 - 0.645	0.57667	0.62480	0.52778	0.66063	1.69276	-0.98338
0.410 - 0.527	0.47049	0.50755	0.42383	0.44849	1.86701	-1.29040
0.293 - 0.410	0.35072	0.40551	0.29473	0.39931	1.56639	-1.29040
0.175 - 0.293	0.23201	0.29031	0.17611	0.40043	1.57848	-1.29040
0.058 - 0.175	0.11086	0.17470	0.05907	-0.08544	1.61852	-1.29040
-0.059 - 0.058	0.00574	0.05685	-0.05507	0.09471	1.65655	-1.29040
-0.176 - -0.059	-0.11566	-0.06246	-0.16503	-0.00788	1.53621	-1.29040
-0.294 - -0.176	-0.23674	-0.17696	-0.29140	-0.25994	1.84202	-1.29040

Group= $\wedge$ (fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.411 - -0.294	-0.36095	-0.29427	-0.40957	-0.36393	1.63777	-1.29040
-0.528 - -0.411	-0.47522	-0.43256	-0.52232	-0.67360	1.77106	-1.29040
-0.646 - -0.528	-0.57543	-0.52984	-0.63639	-0.57197	0.57270	-1.29040
-0.763 - -0.646	-0.70262	-0.65639	-0.75761	-0.92104	-0.01343	-1.29040
-0.880 - -0.763	-0.82795	-0.81021	-0.84497	-1.03850	-0.13485	-1.29040
-0.998 - -0.880	-0.93594	-0.89877	-0.99753	-0.56712	0.48660	-1.15235

## Node=HP Regression LASSO Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.958 - 1.061	1.01135	1.06133	0.96138	1.23429	1.33863	1.12996
0.854 - 0.958	0.91205	0.94749	0.86644	1.39820	1.92987	1.12236
0.750 - 0.854	0.79791	0.81576	0.77663	0.81670	1.54878	-0.24068
0.646 - 0.750	0.68555	0.71490	0.65538	0.59797	1.49143	-0.84532
0.543 - 0.646	0.61268	0.63022	0.58474	0.51386	1.55764	-0.98338
0.439 - 0.543	0.48190	0.54023	0.44676	0.39072	1.82242	-1.21823
0.335 - 0.439	0.37959	0.43554	0.33832	0.62515	1.80838	-1.21823
0.231 - 0.335	0.27608	0.33073	0.24546	0.27368	1.44384	-1.29040
0.128 - 0.231	0.17104	0.22674	0.12894	0.37181	1.69276	-1.29040
0.024 - 0.128	0.07760	0.12616	0.02397	0.32504	1.86701	-1.29040
-0.080 - 0.024	-0.03304	0.02324	-0.07938	-0.13518	1.84202	-1.29040
-0.184 - -0.080	-0.13291	-0.08428	-0.18253	-0.32929	1.65655	-1.29040
-0.287 - -0.184	-0.23580	-0.18827	-0.28700	-0.38063	1.13168	-1.29040
-0.391 - -0.287	-0.33837	-0.29201	-0.39007	-0.41064	1.77106	-1.29040
-0.495 - -0.391	-0.44779	-0.39292	-0.49223	-0.70279	1.63777	-1.29040
-0.599 - -0.495	-0.54401	-0.49550	-0.58540	-0.69495	0.34189	-1.29040
-0.702 - -0.599	-0.64370	-0.64370	-0.64370	-1.09174	-1.09174	-1.09174
-0.806 - -0.702	-0.73105	-0.70888	-0.79158	-1.29040	-1.29040	-1.29040
-0.910 - -0.806	-0.82562	-0.82227	-0.82897	-1.11246	-0.93451	-1.29040
-1.014 - -0.910	-1.01367	-1.01367	-1.01367	-0.13485	-0.13485	-0.13485

## Node=HP Regression LASSO Summary

Group Index	Group	Frequency Count
1	$\wedge$ ( <u>fold_</u> =1)	344
2	$\wedge$ ( <u>fold_</u> =2)	347
3	$\wedge$ ( <u>fold_</u> =3)	345
4	$\wedge$ ( <u>fold_</u> =4)	345
5	$\wedge$ ( <u>fold_</u> =5)	352
6	$\wedge$ ( <u>fold_</u> =6)	340
7	$\wedge$ ( <u>fold_</u> =7)	327
8	$\wedge$ ( <u>fold_</u> =8)	351

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp7  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp7 => HPReg4 => EndGrp7  
 Notes =

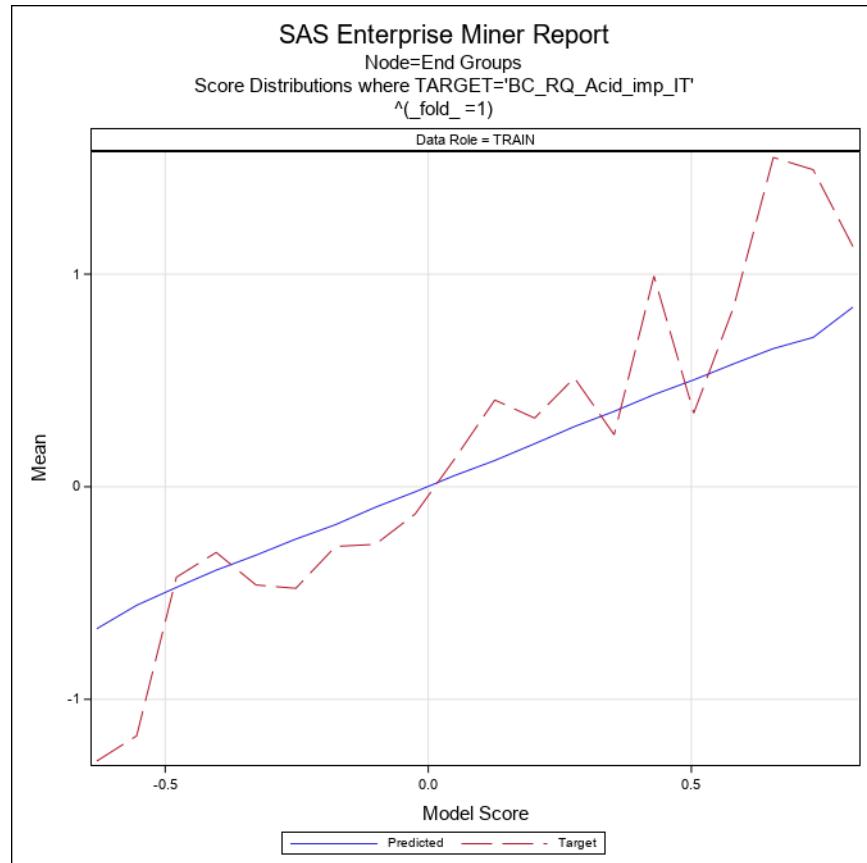
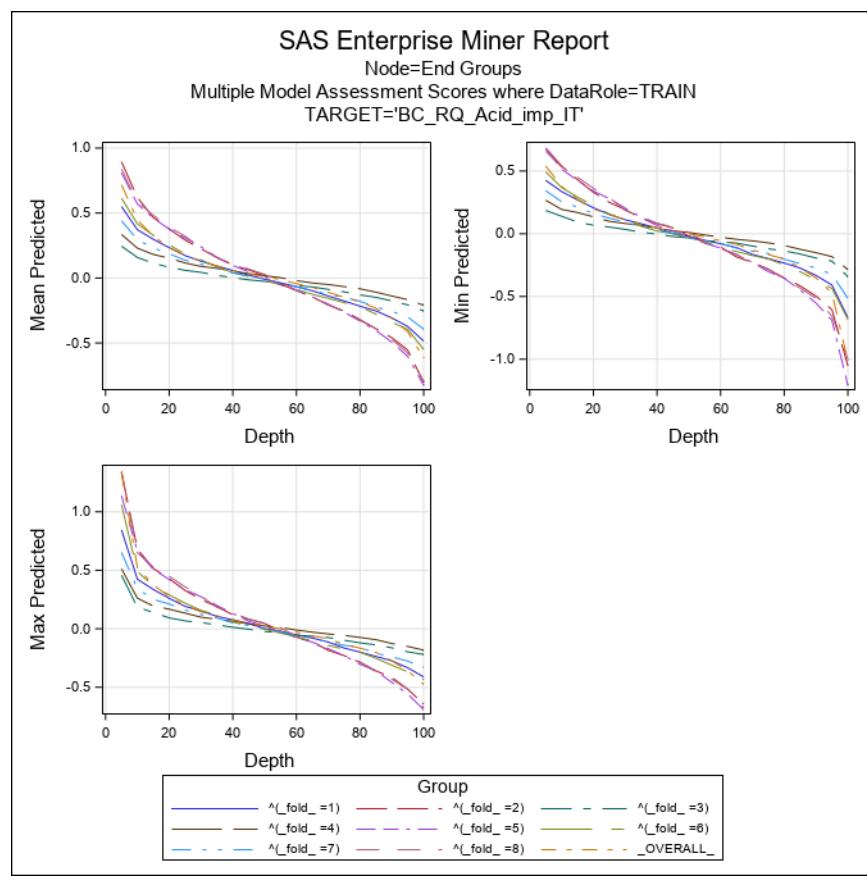
### Node=End Groups Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

### Node=End Groups Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	20	BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT PCCLcat_imp_IT PCCLext_imp_IT ..._XVAL_
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	^(fold_=1)	HPReg4	BC_RQ_Acid_imp_IT	0.85811	344	2.10580	344	0.92634	295.190	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	HPReg4	BC_RQ_Acid_imp_IT	0.80432	344	2.30598	344	0.89684	276.687	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	HPReg4	BC_RQ_Acid_imp_IT	0.93182	341	1.91990	341	0.96531	317.752	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	HPReg4	BC_RQ_Acid_imp_IT	0.93923	344	1.89496	344	0.96914	323.094	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	HPReg4	BC_RQ_Acid_imp_IT	0.80384	333	2.25343	333	0.89657	267.678	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	HPReg4	BC_RQ_Acid_imp_IT	0.84899	355	2.13985	355	0.92140	301.390	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	HPReg4	BC_RQ_Acid_imp_IT	0.91325	351	2.11791	351	0.95564	320.551	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	HPReg4	BC_RQ_Acid_imp_IT	0.83538	344	2.21379	344	0.91399	287.370	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	0.86879	393	2.05415	393	0.93209	341.435	ReQuest (acid subscale) (Box-Cox transformed)

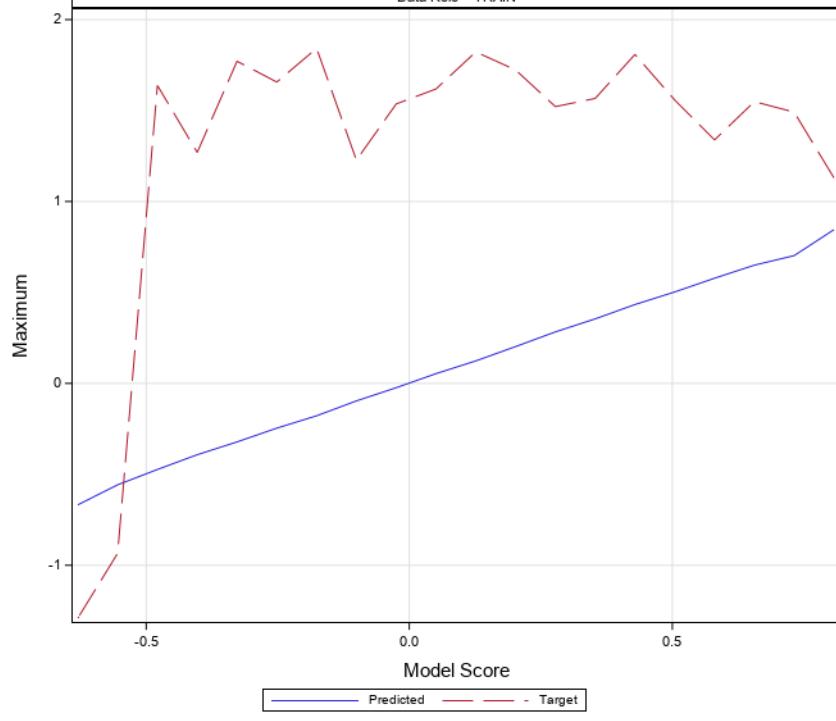


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

Data Role = TRAIN

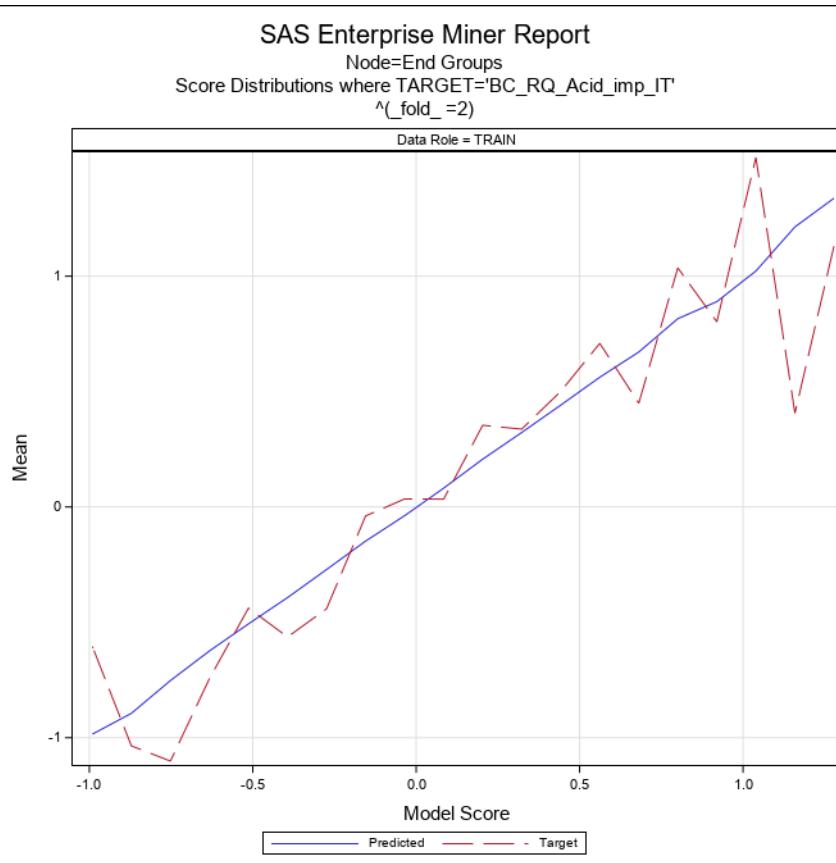


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

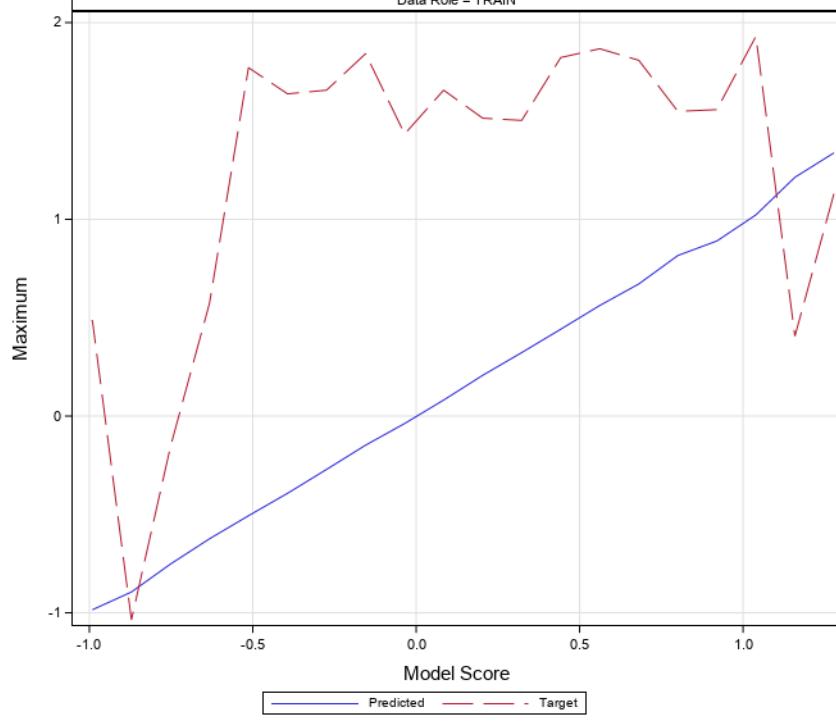


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

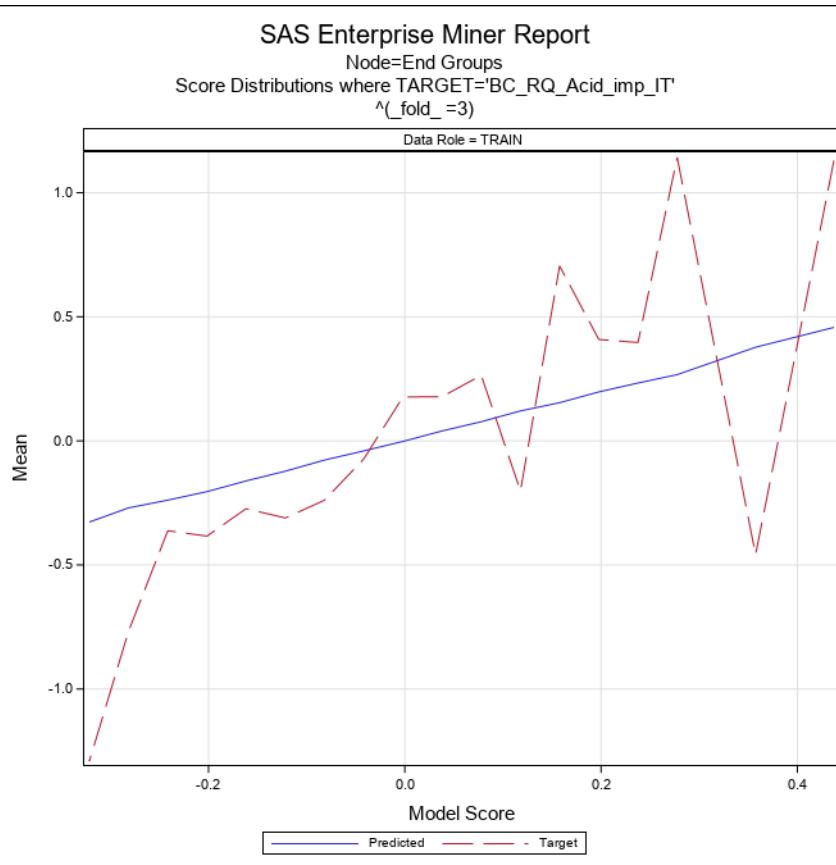


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

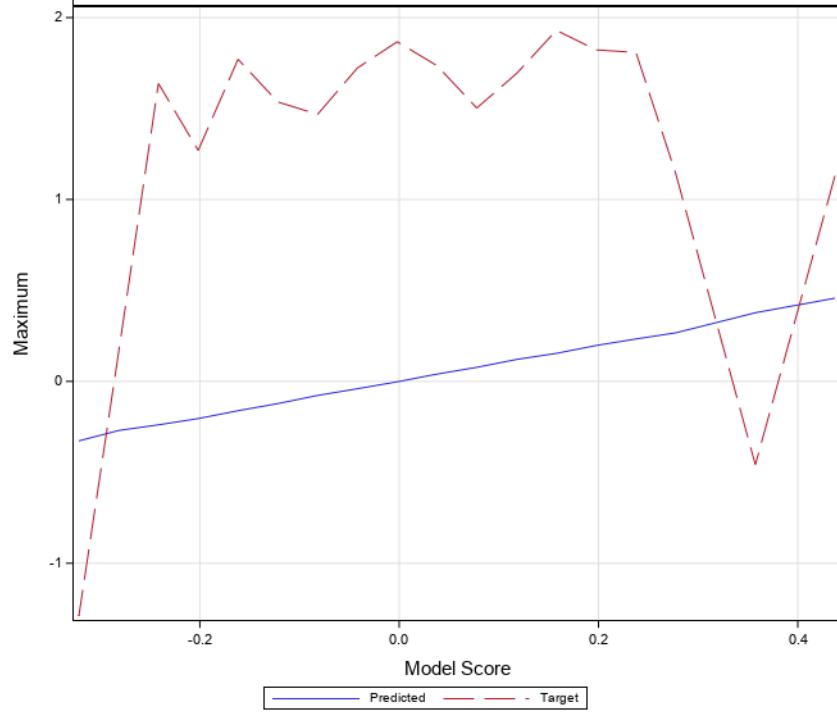


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

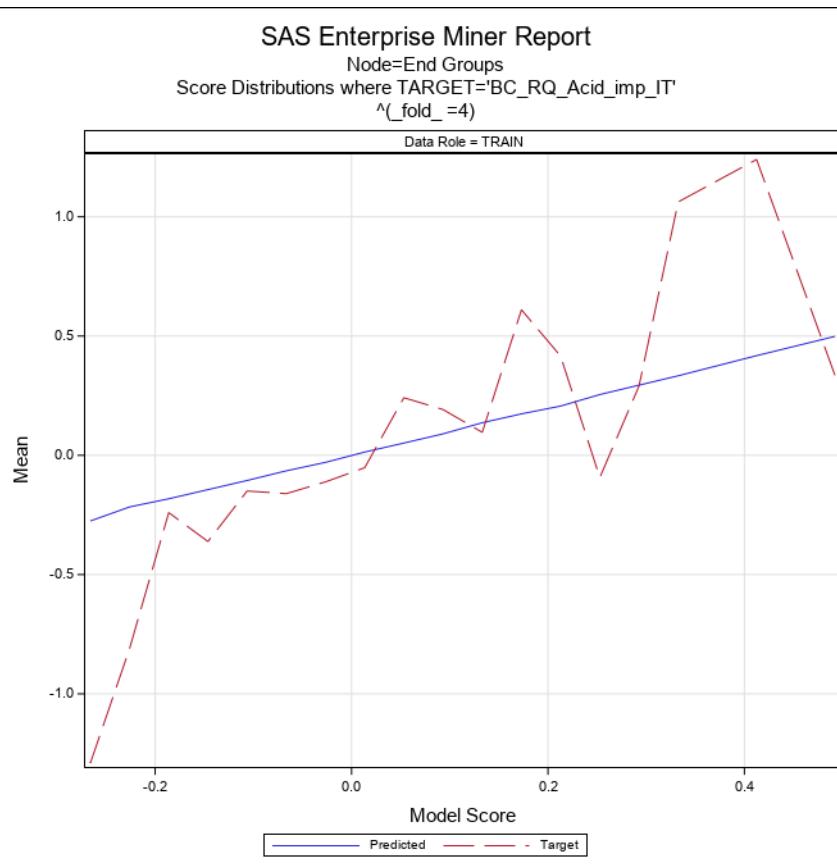


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

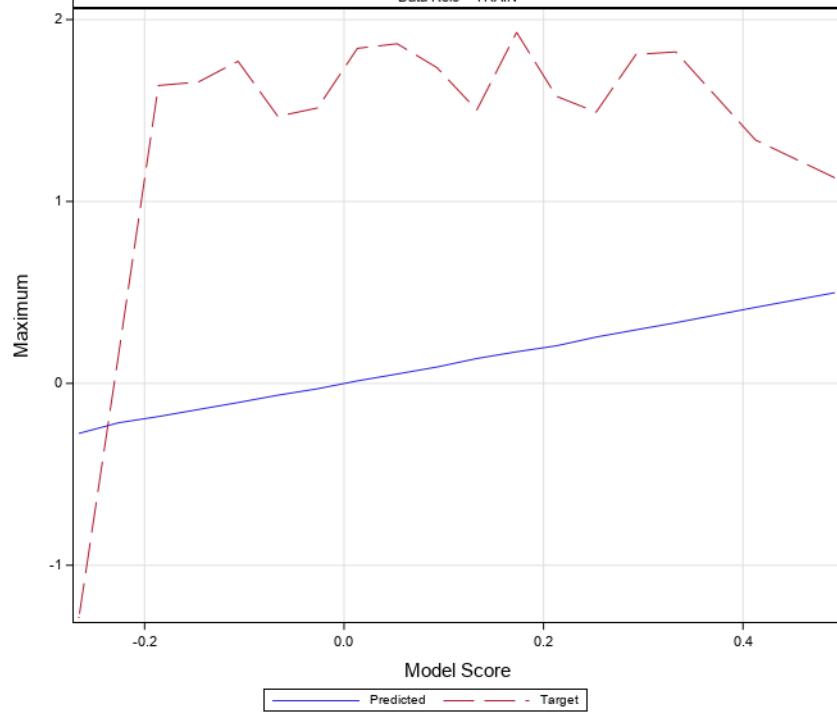


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

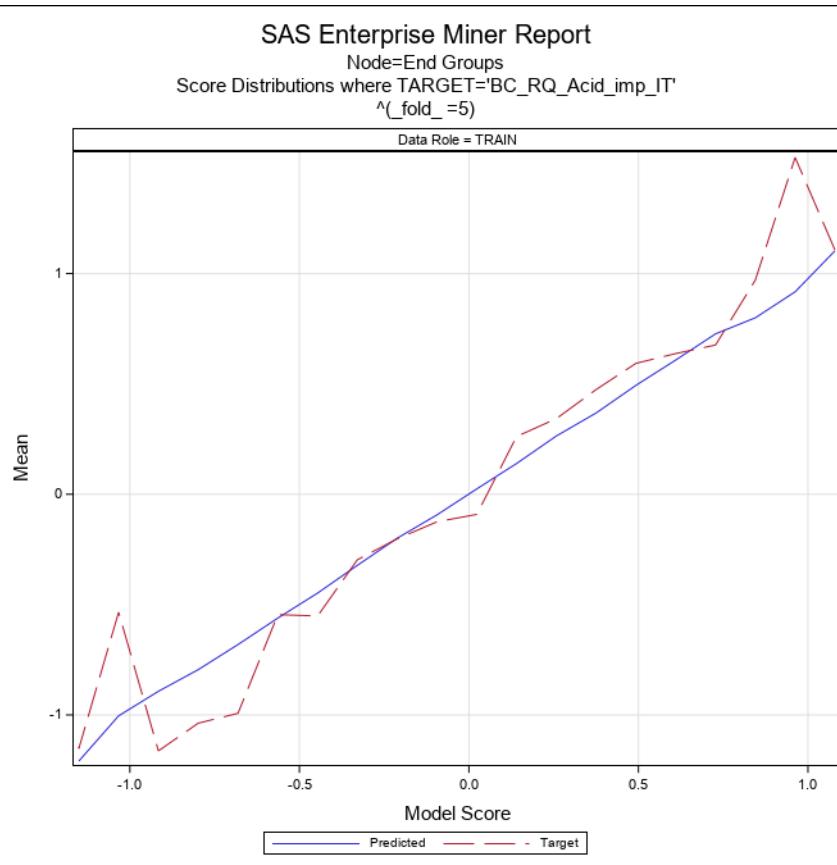


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

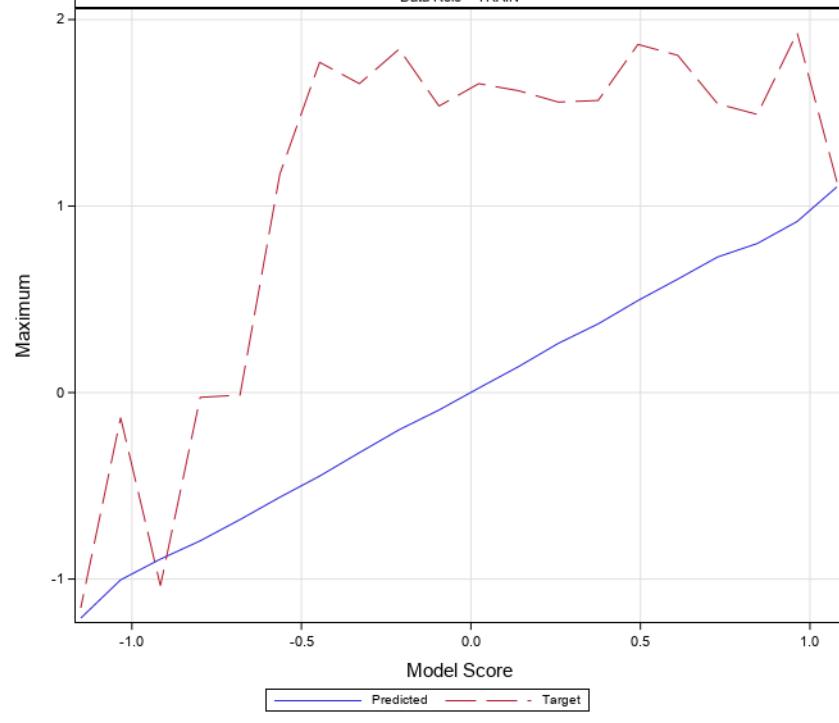


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

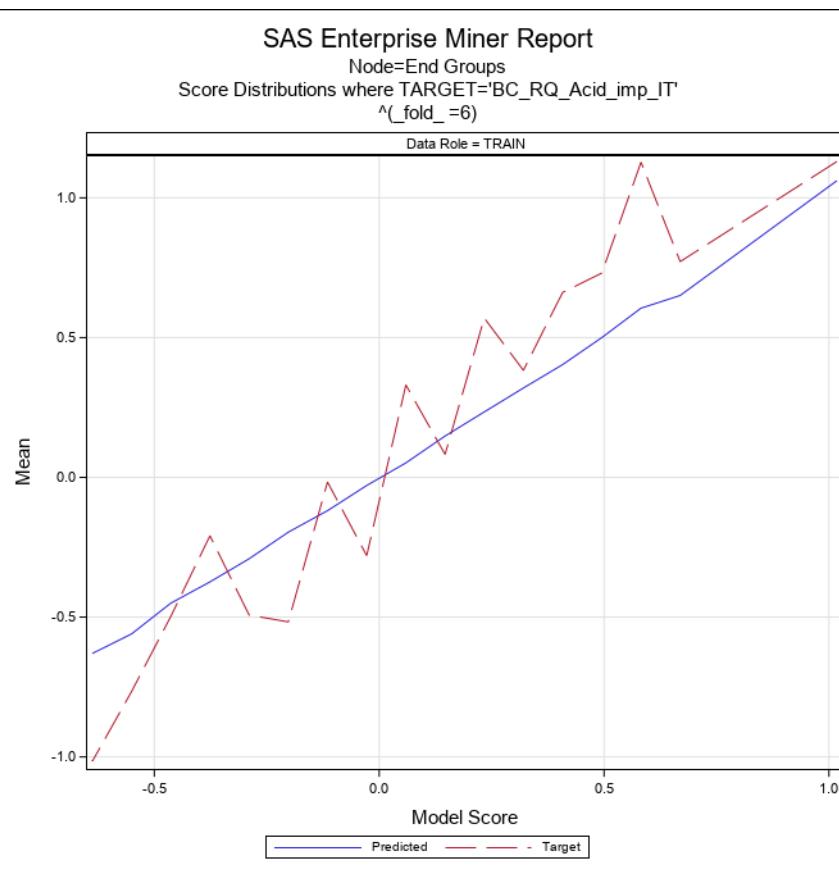


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

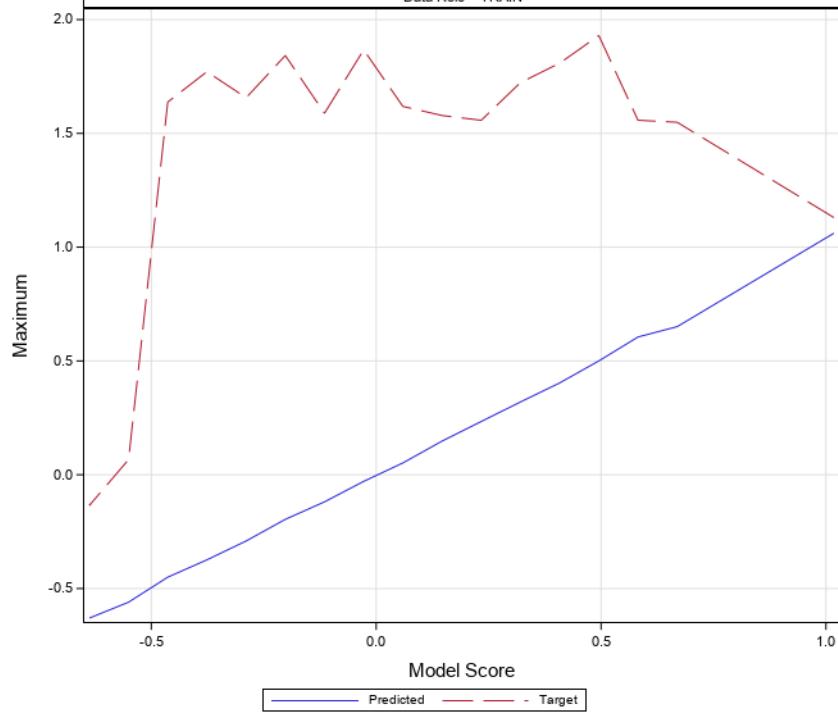


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

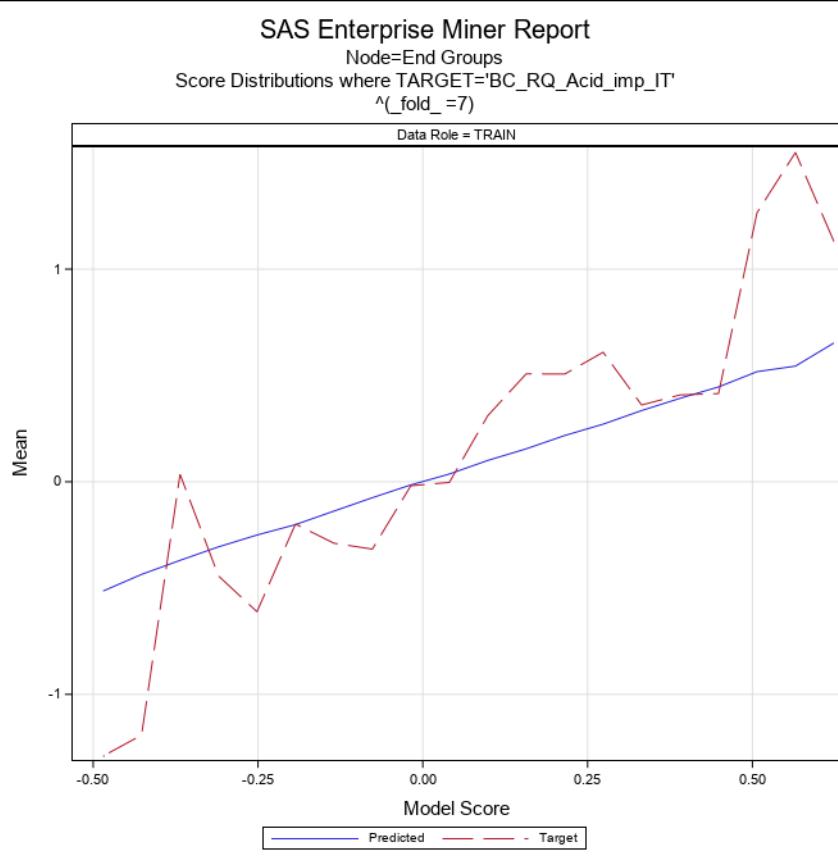


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

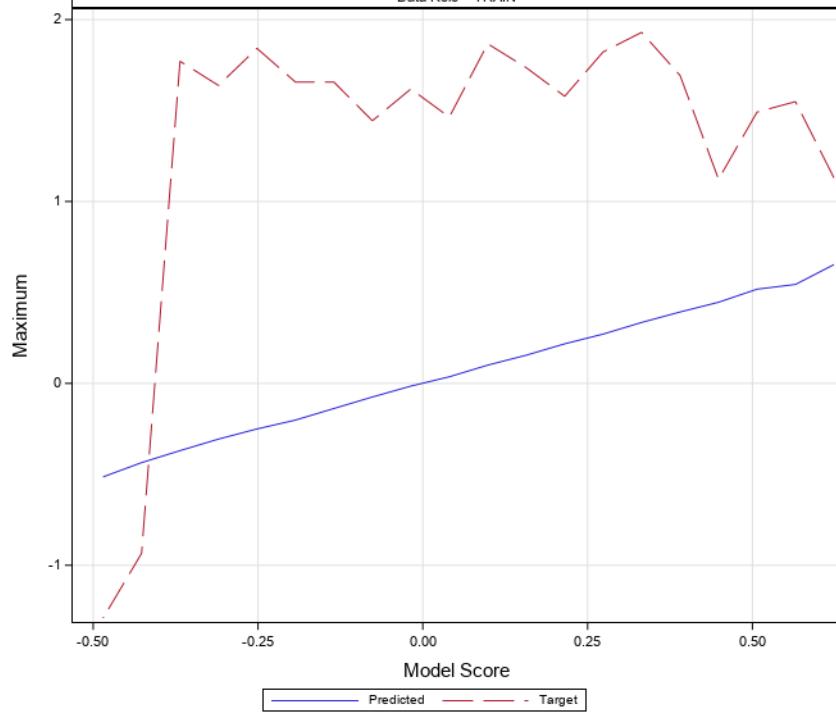


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

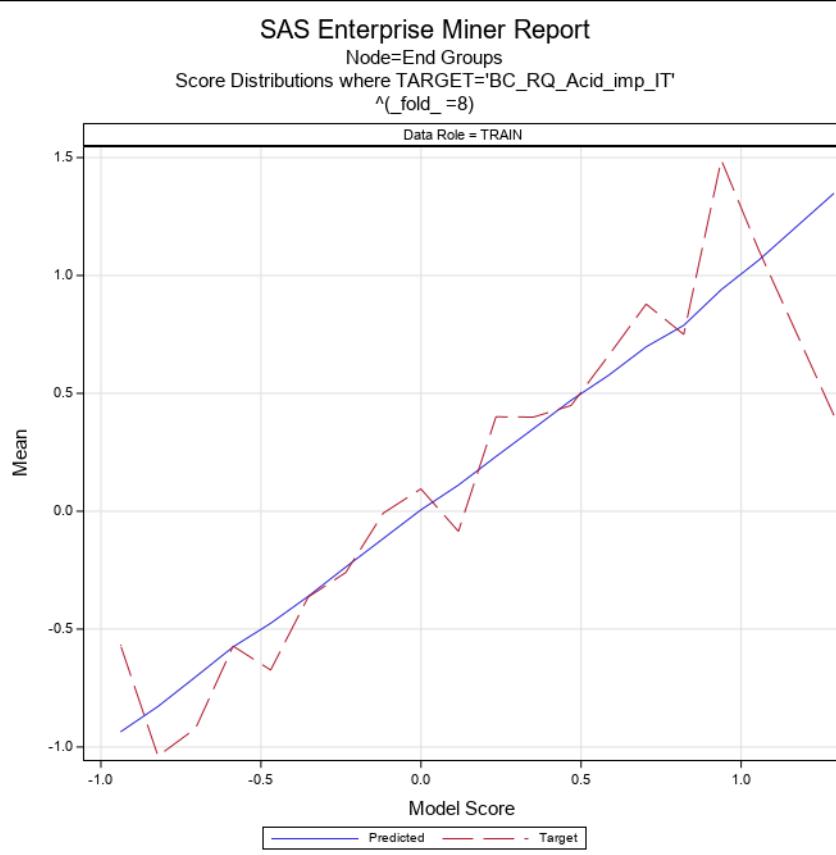


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

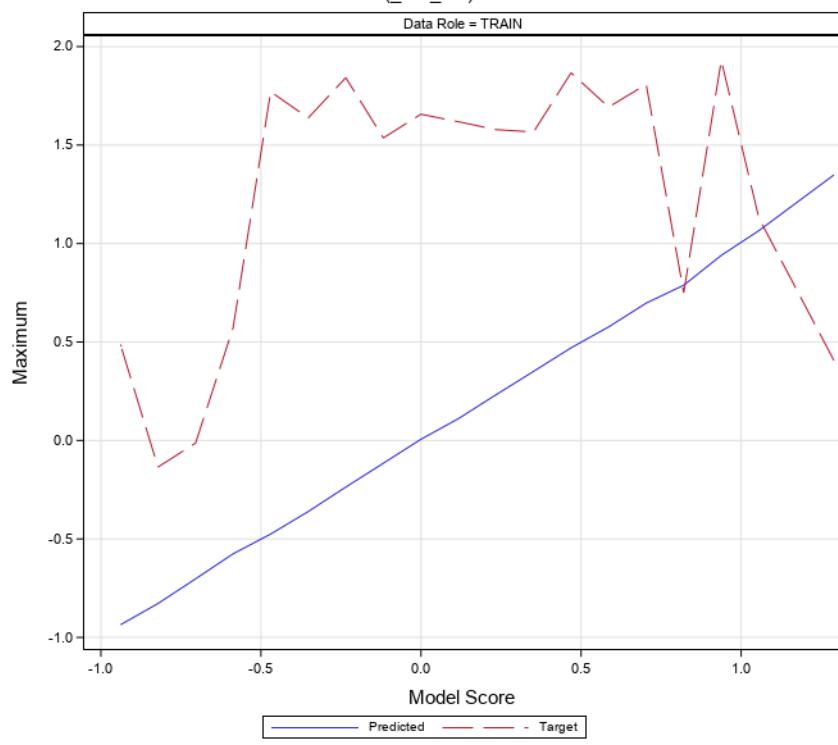


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

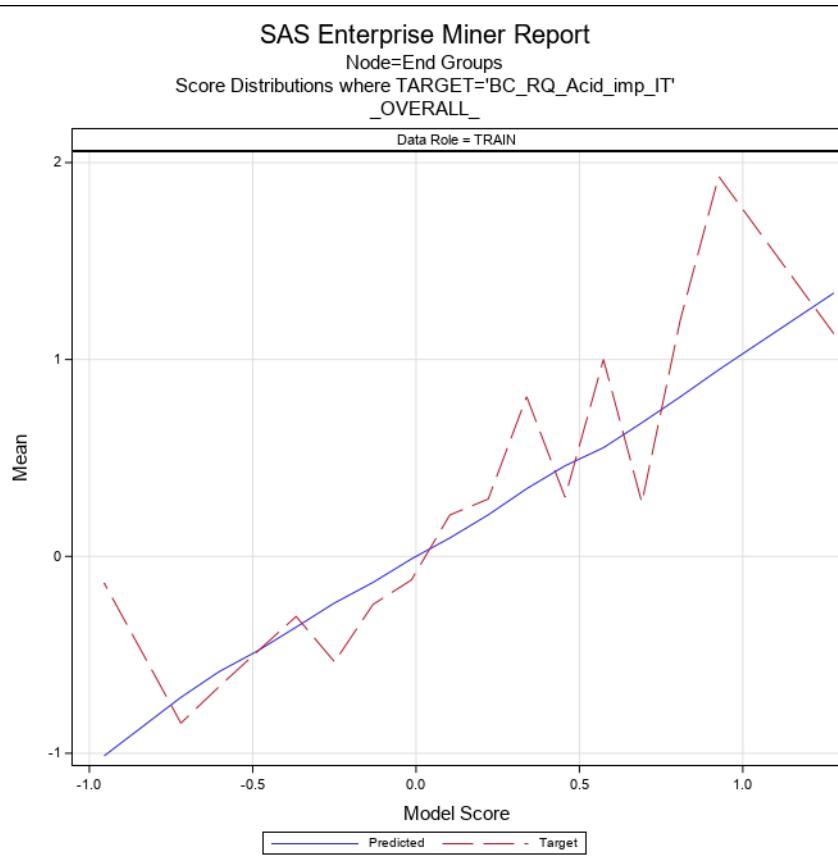


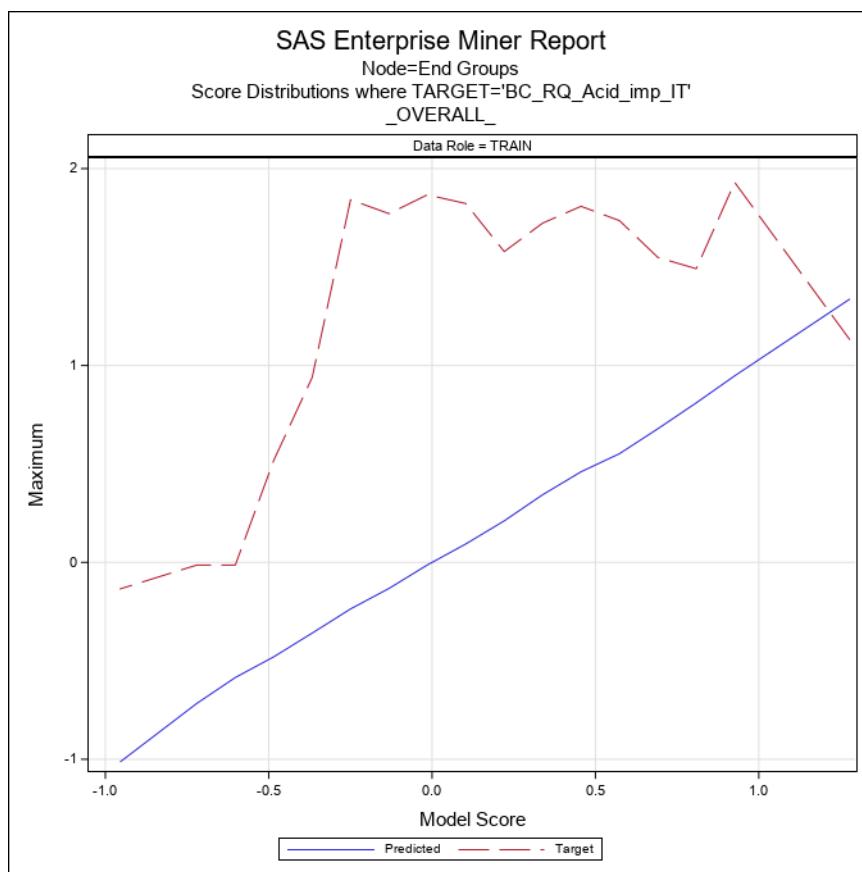
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### Node=End Groups Score Distributions

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.769 - 0.845	0.84494	0.84494	0.84494	1.12996	1.12996	1.12996
0.694 - 0.769	0.70235	0.70235	0.70235	1.49143	1.49143	1.49143
0.618 - 0.694	0.64980	0.64980	0.64980	1.54878	1.54878	1.54878
0.542 - 0.618	0.57809	0.61519	0.54492	0.84408	1.33863	0.16562
0.467 - 0.542	0.50267	0.53785	0.47128	0.34631	1.55764	-0.98338
0.391 - 0.467	0.43331	0.46438	0.40584	0.99084	1.80838	-0.93451
0.315 - 0.391	0.35458	0.37634	0.32919	0.24455	1.56639	-1.29040
0.240 - 0.315	0.28296	0.31191	0.24013	0.51214	1.52157	-1.29040
0.164 - 0.240	0.20228	0.23964	0.16564	0.32292	1.72308	-1.29040
0.089 - 0.164	0.12346	0.16340	0.08964	0.40802	1.82242	-1.29040
0.013 - 0.089	0.05340	0.08730	0.01401	0.13302	1.61852	-1.29040
-0.063 - 0.013	-0.02384	0.01248	-0.06190	-0.12767	1.53621	-1.29040
-0.138 - -0.063	-0.09646	-0.06661	-0.13589	-0.27108	1.22737	-1.29040
-0.214 - -0.138	-0.17820	-0.14217	-0.21213	-0.28059	1.84202	-1.29040
-0.290 - -0.214	-0.24622	-0.21630	-0.27585	-0.47783	1.65655	-1.29040
-0.365 - -0.290	-0.32185	-0.29685	-0.35702	-0.46215	1.77106	-1.29040
-0.441 - -0.365	-0.39226	-0.37149	-0.41375	-0.30904	1.26974	-1.29040
-0.517 - -0.441	-0.47339	-0.45561	-0.49301	-0.42547	1.63777	-1.29040
-0.592 - -0.517	-0.55769	-0.54565	-0.56911	-1.17177	-0.93451	-1.29040
-0.668 - -0.592	-0.66777	-0.66777	-0.66777	-1.29040	-1.29040	-1.29040

### Node=End Groups Score Distributions

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.218 - 1.338	1.33780	1.33780	1.33780	1.12996	1.12996	1.12996
1.099 - 1.218	1.21357	1.21357	1.21357	0.40630	0.40630	0.40630
0.980 - 1.099	1.02247	1.04673	1.00165	1.51455	1.92987	1.12236
0.860 - 0.980	0.88982	0.90827	0.86644	0.80234	1.55764	-0.24068
0.741 - 0.860	0.81598	0.85337	0.74274	1.03612	1.54878	0.16562
0.621 - 0.741	0.67149	0.73531	0.63022	0.44956	1.80838	-0.93451
0.502 - 0.621	0.56204	0.61701	0.50302	0.70895	1.86701	-0.93451
0.383 - 0.502	0.44139	0.50105	0.39508	0.50091	1.82242	-1.29040
0.263 - 0.383	0.32263	0.38028	0.26956	0.33735	1.50288	-1.29040
0.144 - 0.263	0.20701	0.25750	0.14562	0.35393	1.51415	-1.29040
0.024 - 0.144	0.08132	0.14321	0.03145	0.03387	1.65655	-1.29040
-0.095 - 0.024	-0.03792	0.02425	-0.09369	0.03454	1.43354	-1.29040
-0.215 - -0.095	-0.14803	-0.09588	-0.21265	-0.03896	1.84202	-1.29040
-0.334 - -0.215	-0.27122	-0.21542	-0.33330	-0.44128	1.65655	-1.29040
-0.453 - -0.334	-0.39274	-0.34235	-0.44892	-0.56341	1.63777	-1.29040
-0.573 - -0.453	-0.50666	-0.45388	-0.55789	-0.43819	1.77106	-1.29040
-0.692 - -0.573	-0.62395	-0.57917	-0.68433	-0.74375	0.57270	-1.29040
-0.812 - -0.692	-0.75234	-0.72130	-0.79158	-1.10134	-0.15603	-1.29040
-0.931 - -0.812	-0.89431	-0.89431	-0.89431	-1.03562	-1.03562	-1.03562
-1.050 - -0.931	-0.98465	-0.93580	-1.05043	-0.60510	0.48660	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.417 - 0.457	0.45725	0.45725	0.45725	1.12996	1.12996	1.12996
0.337 - 0.377	0.37728	0.37728	0.37728	-0.45852	-0.45852	-0.45852
0.258 - 0.298	0.26693	0.26693	0.26693	1.14199	1.14199	1.14199
0.218 - 0.258	0.23306	0.25125	0.21934	0.39642	1.80838	-0.98338
0.178 - 0.218	0.19721	0.21552	0.17837	0.40860	1.82242	-1.29040
0.138 - 0.178	0.15386	0.17378	0.13942	0.70476	1.92987	-0.93451
0.098 - 0.138	0.12063	0.13597	0.09841	-0.20167	1.69276	-1.29040
0.058 - 0.098	0.07717	0.09683	0.05828	0.26408	1.50288	-1.29040
0.018 - 0.058	0.04000	0.05695	0.01863	0.17800	1.73571	-1.29040
-0.022 - 0.018	-0.00238	0.01631	-0.02194	0.17668	1.86701	-1.29040
-0.062 - -0.022	-0.04052	-0.02199	-0.06118	-0.07318	1.72308	-1.29040
-0.102 - -0.062	-0.07728	-0.06204	-0.10069	-0.23903	1.46801	-1.29040
-0.142 - -0.102	-0.12216	-0.10215	-0.14121	-0.31078	1.53621	-1.29040
-0.182 - -0.142	-0.16136	-0.14572	-0.17895	-0.27331	1.77106	-1.29040
-0.222 - -0.182	-0.20459	-0.18273	-0.22126	-0.38377	1.26974	-1.29040
-0.262 - -0.222	-0.23889	-0.22172	-0.25751	-0.36215	1.63777	-1.29040
-0.301 - -0.262	-0.27003	-0.26525	-0.28289	-0.76718	0.16052	-1.29040
-0.341 - -0.301	-0.32719	-0.31297	-0.34141	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.472 - 0.512	0.49855	0.51213	0.48498	0.33572	1.12996	-0.45852
0.392 - 0.432	0.41778	0.42633	0.40923	1.24031	1.33863	1.14199
0.313 - 0.353	0.33339	0.34984	0.31600	1.06228	1.82242	0.33895
0.273 - 0.313	0.29418	0.31239	0.27649	0.29035	1.80838	-0.84532

Group=^(fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.233 - 0.273	0.25467	0.27258	0.23607	-0.09337	1.49143	-1.29040
0.193 - 0.233	0.20644	0.22088	0.19427	0.41573	1.57848	-1.29040
0.153 - 0.193	0.17373	0.19220	0.15417	0.61026	1.92987	-1.29040
0.113 - 0.153	0.13657	0.15223	0.12108	0.09638	1.50288	-1.29040
0.073 - 0.113	0.08991	0.11218	0.07359	0.19180	1.73571	-1.29040
0.033 - 0.073	0.05135	0.07285	0.03334	0.24152	1.86701	-1.29040
-0.007 - 0.033	0.01368	0.03302	-0.00625	-0.05210	1.84202	-1.29040
-0.046 - -0.007	-0.02960	-0.00730	-0.04616	-0.11132	1.51415	-1.29040
-0.086 - -0.046	-0.06509	-0.04681	-0.08505	-0.16072	1.46801	-1.29040
-0.126 - -0.086	-0.10550	-0.08916	-0.12599	-0.14975	1.77106	-1.29040
-0.166 - -0.126	-0.14386	-0.12840	-0.15905	-0.36148	1.65655	-1.29040
-0.206 - -0.166	-0.18231	-0.16804	-0.20109	-0.24020	1.63777	-1.29040
-0.246 - -0.206	-0.21657	-0.20698	-0.23722	-0.81043	0.16052	-1.29040
-0.286 - -0.246	-0.27526	-0.26463	-0.28589	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.021 - 1.138	1.10298	1.13824	1.06772	1.10690	1.12996	1.08384
0.903 - 1.021	0.91741	0.92221	0.91262	1.52611	1.92987	1.12236
0.786 - 0.903	0.79953	0.80708	0.79338	0.97072	1.49143	0.16562
0.669 - 0.786	0.72681	0.77663	0.68131	0.67628	1.54878	-0.84532
0.551 - 0.669	0.60834	0.66320	0.57310	0.63750	1.80838	-0.93451
0.434 - 0.551	0.49355	0.55103	0.43597	0.59324	1.86701	-0.98338
0.317 - 0.434	0.36837	0.42699	0.31858	0.47455	1.56639	-1.29040
0.199 - 0.317	0.26410	0.31402	0.20481	0.34267	1.55764	-1.29040
0.082 - 0.199	0.13927	0.19881	0.08283	0.26165	1.61852	-1.29040
-0.035 - 0.082	0.02418	0.08175	-0.03408	-0.09132	1.65655	-1.29040
-0.153 - -0.035	-0.09353	-0.03838	-0.15224	-0.12481	1.53621	-1.29040
-0.270 - -0.153	-0.19923	-0.15519	-0.26146	-0.20204	1.84202	-1.29040
-0.388 - -0.270	-0.32213	-0.27092	-0.37410	-0.29690	1.65655	-1.29040
-0.505 - -0.388	-0.44783	-0.39292	-0.50201	-0.55171	1.77106	-1.29040
-0.622 - -0.505	-0.56127	-0.51282	-0.60075	-0.54565	1.17083	-1.29040
-0.740 - -0.622	-0.68107	-0.62357	-0.72753	-0.99272	-0.01343	-1.29040
-0.857 - -0.740	-0.79490	-0.74471	-0.84603	-1.03744	-0.02557	-1.29040
-0.974 - -0.857	-0.89295	-0.87833	-0.90756	-1.16301	-1.03562	-1.29040
-1.092 - -0.974	-1.00415	-0.97701	-1.03129	-0.53468	-0.13485	-0.93451
-1.209 - -1.092	-1.20921	-1.20921	-1.20921	-1.15235	-1.15235	-1.15235

## Node=End Groups Score Distributions

Group=^(fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.974 - 1.061	1.06133	1.06133	1.06133	1.12996	1.12996	1.12996
0.626 - 0.713	0.65068	0.67507	0.63036	0.77176	1.54878	-0.45852
0.539 - 0.626	0.60521	0.61233	0.59882	1.12743	1.55764	0.16562
0.451 - 0.539	0.50003	0.53720	0.46717	0.73085	1.92987	-0.53830
0.364 - 0.451	0.40337	0.45076	0.36895	0.66144	1.80838	-0.93451
0.277 - 0.364	0.31968	0.35979	0.27804	0.38271	1.72308	-1.29040
0.190 - 0.277	0.23407	0.27636	0.19108	0.56992	1.55764	-1.29040
0.103 - 0.190	0.14782	0.18699	0.10579	0.08218	1.57848	-1.29040

Group=\_fold\_ =6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.016 - 0.103	0.05177	0.09980	0.01579	0.33055	1.61852	-1.29040
-0.071 - 0.016	-0.02917	0.01529	-0.07013	-0.28010	1.86701	-1.29040
-0.159 - -0.071	-0.11919	-0.07172	-0.15844	-0.01662	1.58869	-1.29040
-0.246 - -0.159	-0.19607	-0.16233	-0.24528	-0.51702	1.84202	-1.29040
-0.333 - -0.246	-0.29118	-0.24758	-0.33165	-0.49257	1.65655	-1.29040
-0.420 - -0.333	-0.37400	-0.33407	-0.40955	-0.20899	1.77106	-1.29040
-0.507 - -0.420	-0.45013	-0.42089	-0.47834	-0.49782	1.63777	-1.29040
-0.594 - -0.507	-0.56009	-0.53296	-0.58678	-0.76609	0.06635	-1.29040
-0.681 - -0.594	-0.62991	-0.59700	-0.68130	-1.01549	-0.13485	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.594 - 0.653	0.65284	0.65284	0.65284	1.12996	1.12996	1.12996
0.536 - 0.594	0.54398	0.54398	0.54398	1.54878	1.54878	1.54878
0.478 - 0.536	0.51778	0.52993	0.50840	1.26531	1.49143	1.14199
0.419 - 0.478	0.44591	0.46277	0.42142	0.41474	1.12236	-0.45852
0.361 - 0.419	0.39256	0.41162	0.36603	0.40833	1.69276	-0.98338
0.303 - 0.361	0.33485	0.35934	0.30548	0.36103	1.92987	-0.93451
0.244 - 0.303	0.27088	0.30144	0.24998	0.60925	1.82242	-1.29040
0.186 - 0.244	0.21741	0.24330	0.18719	0.50640	1.57848	-1.29040
0.128 - 0.186	0.15487	0.18519	0.12894	0.50756	1.73571	-1.29040
0.069 - 0.128	0.10023	0.12483	0.07178	0.31065	1.86701	-1.29040
0.011 - 0.069	0.03621	0.06897	0.01213	-0.00317	1.46404	-1.29040
-0.047 - 0.011	-0.01497	0.01046	-0.04687	-0.01890	1.61852	-1.29040
-0.106 - -0.047	-0.07502	-0.04851	-0.10310	-0.31690	1.44384	-1.29040
-0.164 - -0.106	-0.13814	-0.10866	-0.16315	-0.28906	1.65655	-1.29040
-0.222 - -0.164	-0.20185	-0.16894	-0.22233	-0.19912	1.65655	-1.29040
-0.281 - -0.222	-0.25061	-0.22282	-0.27752	-0.61144	1.84202	-1.29040
-0.339 - -0.281	-0.30628	-0.28700	-0.33426	-0.44323	1.63777	-1.29040
-0.397 - -0.339	-0.36974	-0.34685	-0.39438	0.03506	1.77106	-1.03562
-0.456 - -0.397	-0.43578	-0.40880	-0.45547	-1.19161	-0.93451	-1.29040
-0.514 - -0.456	-0.51412	-0.51412	-0.51412	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.231 - 1.348	1.34847	1.34847	1.34847	0.40630	0.40630	0.40630
0.997 - 1.114	1.06524	1.10410	1.02637	1.10690	1.12996	1.08384
0.879 - 0.997	0.93990	0.96138	0.89771	1.48982	1.92987	1.14199
0.762 - 0.879	0.78827	0.78827	0.78827	0.75001	0.75001	0.75001
0.645 - 0.762	0.69740	0.74494	0.64490	0.87864	1.80838	-0.24068
0.527 - 0.645	0.57667	0.62480	0.52778	0.66063	1.69276	-0.98338
0.410 - 0.527	0.47049	0.50755	0.42383	0.44849	1.86701	-1.29040
0.293 - 0.410	0.35072	0.40551	0.29473	0.39931	1.56639	-1.29040
0.175 - 0.293	0.23201	0.29031	0.17611	0.40043	1.57848	-1.29040
0.058 - 0.175	0.11086	0.17470	0.05907	-0.08544	1.61852	-1.29040
-0.059 - 0.058	0.00574	0.05685	-0.05507	0.09471	1.65655	-1.29040
-0.176 - -0.059	-0.11566	-0.06246	-0.16503	-0.00788	1.53621	-1.29040
-0.294 - -0.176	-0.23674	-0.17696	-0.29140	-0.25994	1.84202	-1.29040

Group=^(\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.411 - -0.294	-0.36095	-0.29427	-0.40957	-0.36393	1.63777	-1.29040
-0.528 - -0.411	-0.47522	-0.43256	-0.52232	-0.67360	1.77106	-1.29040
-0.646 - -0.528	-0.57543	-0.52984	-0.63639	-0.57197	0.57270	-1.29040
-0.763 - -0.646	-0.70262	-0.65639	-0.75761	-0.92104	-0.01343	-1.29040
-0.880 - -0.763	-0.82795	-0.81021	-0.84497	-1.03850	-0.13485	-1.29040
-0.998 - -0.880	-0.93594	-0.89877	-0.99753	-0.56712	0.48660	-1.15235

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.220 - 1.338	1.33780	1.33780	1.33780	1.12996	1.12996	1.12996
0.868 - 0.985	0.94749	0.94749	0.94749	1.92987	1.92987	1.92987
0.750 - 0.868	0.81041	0.83984	0.79338	1.20028	1.49143	1.08384
0.632 - 0.750	0.67868	0.71981	0.64778	0.27318	1.54878	-0.98338
0.515 - 0.632	0.55208	0.59901	0.51522	1.00011	1.73571	-0.93451
0.397 - 0.515	0.46015	0.50105	0.40657	0.30029	1.80838	-1.29040
0.280 - 0.397	0.34354	0.39603	0.28663	0.81122	1.72308	-1.21823
0.162 - 0.280	0.21091	0.27804	0.16242	0.29113	1.57848	-1.29040
0.044 - 0.162	0.09357	0.15873	0.04462	0.21024	1.82242	-1.29040
-0.073 - 0.044	-0.01303	0.03861	-0.07172	-0.11995	1.86701	-1.29040
-0.191 - -0.073	-0.13233	-0.07321	-0.18989	-0.24418	1.77106	-1.29040
-0.308 - -0.191	-0.23642	-0.19159	-0.29775	-0.53612	1.84202	-1.29040
-0.426 - -0.308	-0.35920	-0.30865	-0.42392	-0.30506	0.93917	-1.29040
-0.543 - -0.426	-0.47969	-0.43335	-0.53296	-0.48167	0.51841	-1.29040
-0.661 - -0.543	-0.58469	-0.54503	-0.62686	-0.66057	-0.01343	-1.29040
-0.779 - -0.661	-0.71590	-0.67704	-0.73872	-0.84681	-0.01343	-1.29040
-1.014 - -0.896	-1.01367	-1.01367	-1.01367	-0.13485	-0.13485	-0.13485

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	^(_fold_=1)	344
2	^(_fold_=2)	347
3	^(_fold_=3)	345
4	^(_fold_=4)	345
5	^(_fold_=5)	352
6	^(_fold_=6)	340
7	^(_fold_=7)	327
8	^(_fold_=8)	351

## SAS Enterprise Miner Report

### Node=Decision Tree Summary

Node id = Tree2  
 Node label = Decision Tree  
 Meta path = Ids => Trans => Grp => Tree2  
 Notes =

### Node=Decision Tree Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Y		Pred	N	
AVG	Y		KassApply	BEFORE		Predict	Y	
AssessMeasure	PROFIT/LOSS		LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Y		RASE	N	
CV	N		Maxbranch	3	2	SampleMethod	RANDOM	
CVNIter	10		Maxdepth	6		SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Y	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Y	
Count	Y		NodeRole	SEGMENT		SigLevel	0.2	
CreateSample	DEFAULT		NodeSample	20000		SplitPrecision	4	
Criterion	DEFAULT		NominalCriterion	PROBCHISQ		Splitsize	.	
Depth	Y		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	RASE	AVG	Performance	DISK		UseVarOnce	N	
IntervalCriterion	PROBFI		Precision	4		VarSelection	N	Y

### Node=Decision Tree Variable Summary

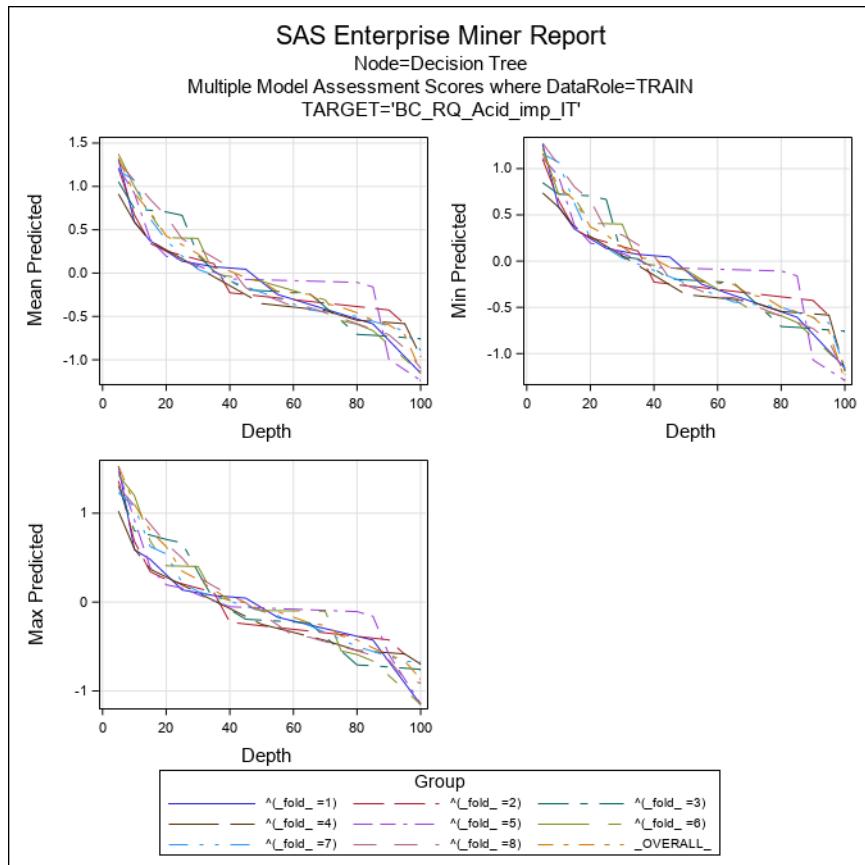
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

Group Index	Group	Train: Target Variable	Train: Sum of Frequencies	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Average Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Target Label
1	^(?=_fold_=1)	BC_RQ_Acid_imp_IT	340	2.07479	233.806	0.68767	0.82926	340	340	ReQuest (acid subscale) (Box-Cox transformed)
2	^(?=_fold_=2)	BC_RQ_Acid_imp_IT	354	2.09389	275.479	0.77819	0.88215	354	354	ReQuest (acid subscale) (Box-Cox transformed)
3	^(?=_fold_=3)	BC_RQ_Acid_imp_IT	343	2.09316	237.476	0.69235	0.83208	343	343	ReQuest (acid subscale) (Box-Cox transformed)
4	^(?=_fold_=4)	BC_RQ_Acid_imp_IT	339	2.38641	250.001	0.73747	0.85876	339	339	ReQuest (acid subscale) (Box-Cox transformed)
5	^(?=_fold_=5)	BC_RQ_Acid_imp_IT	356	1.93572	242.103	0.68006	0.82466	356	356	ReQuest (acid subscale) (Box-Cox transformed)

Node=Decision Tree

## FITSTATPLOT

Group Index	Group	Train: Target Variable	Train: Sum of Frequencies	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Average Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Target Label
6	^(_fold_=6)	BC_RQ_Acid_imp_IT	349	1.97555	215.336	0.61701	0.78550	349	349	ReQuest (acid subscale) (Box-Cox transformed)
7	^(_fold_=7)	BC_RQ_Acid_imp_IT	341	2.21300	222.999	0.65396	0.80868	341	341	ReQuest (acid subscale) (Box-Cox transformed)
8	^(_fold_=8)	BC_RQ_Acid_imp_IT	341	2.16550	197.144	0.57813	0.76035	341	341	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	393	2.23187	298.677	0.75999	0.87177	393	.	ReQuest (acid subscale) (Box-Cox transformed)



**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=1)

Data Role = TRAIN

Mean

1

0

-1

-1.0

-0.5

Model Score

0.0

0.5

1.0

1.5

Predicted — Target

**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=1)

Data Role = TRAIN

Maximum

2

1

0

-1

-1.0

-0.5

Model Score

0.0

0.5

1.0

1.5

Predicted — Target

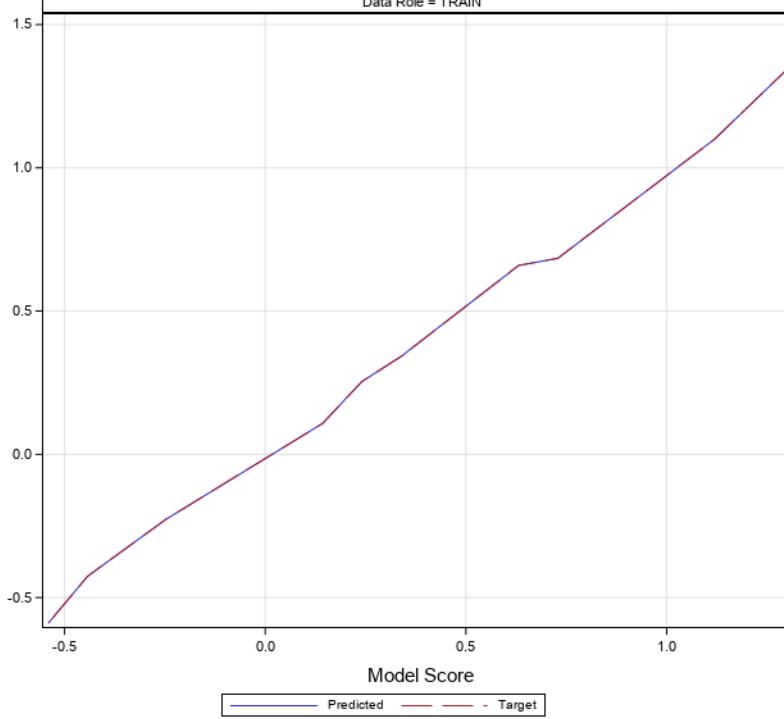
### SAS Enterprise Miner Report

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

Mean



Model Score

— Predicted — Target

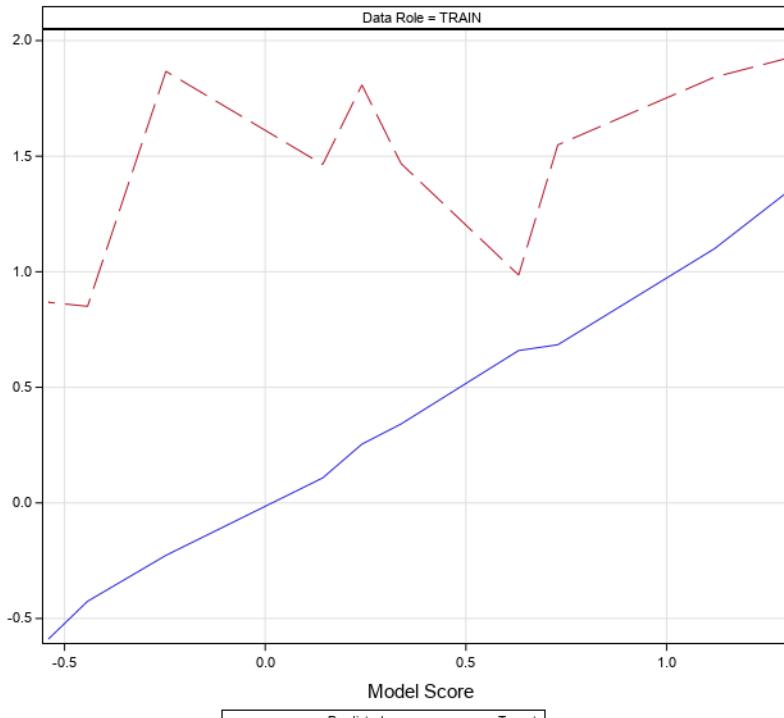
### SAS Enterprise Miner Report

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

Maximum



Model Score

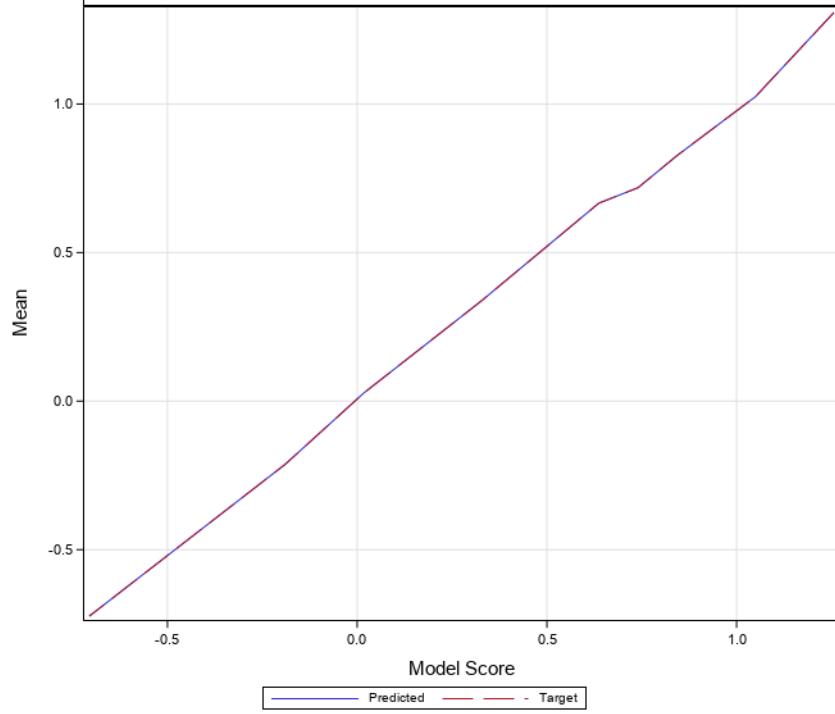
— Predicted — Target

### SAS Enterprise Miner Report

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

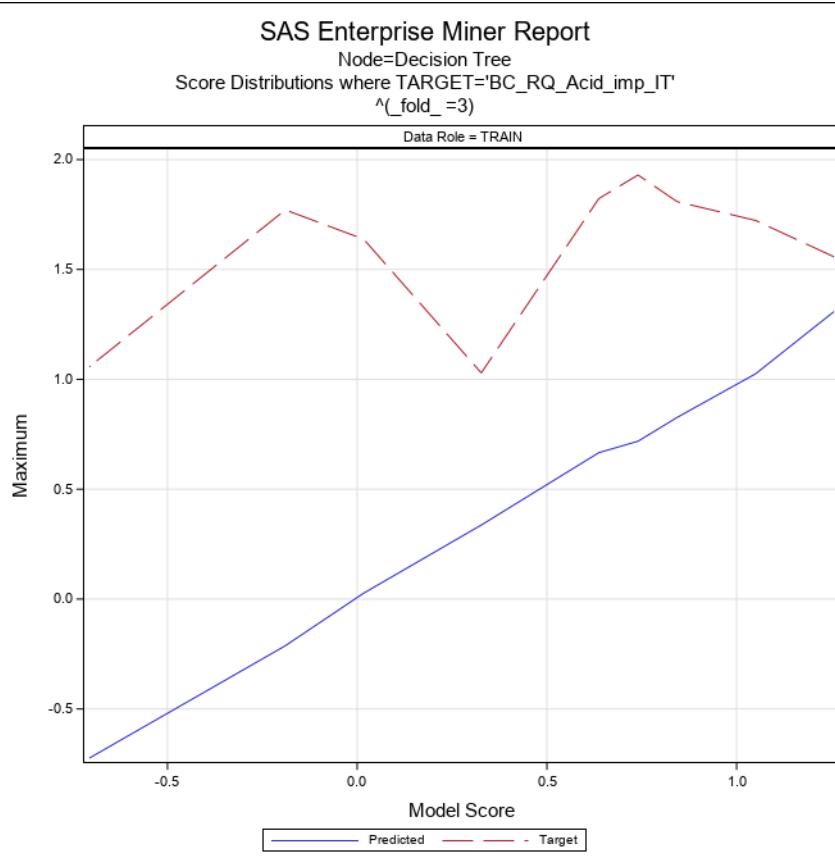


### SAS Enterprise Miner Report

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

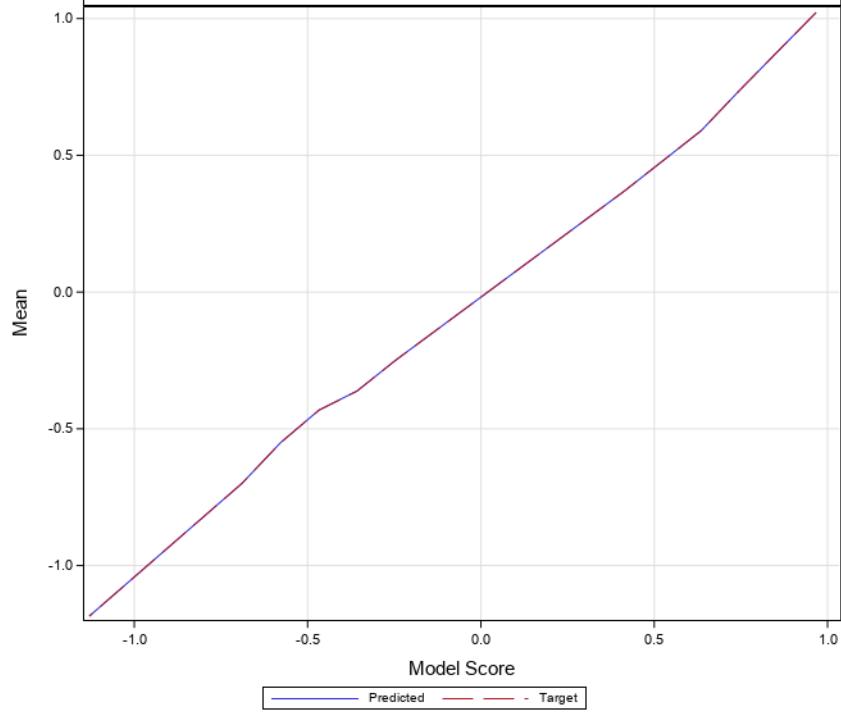


**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

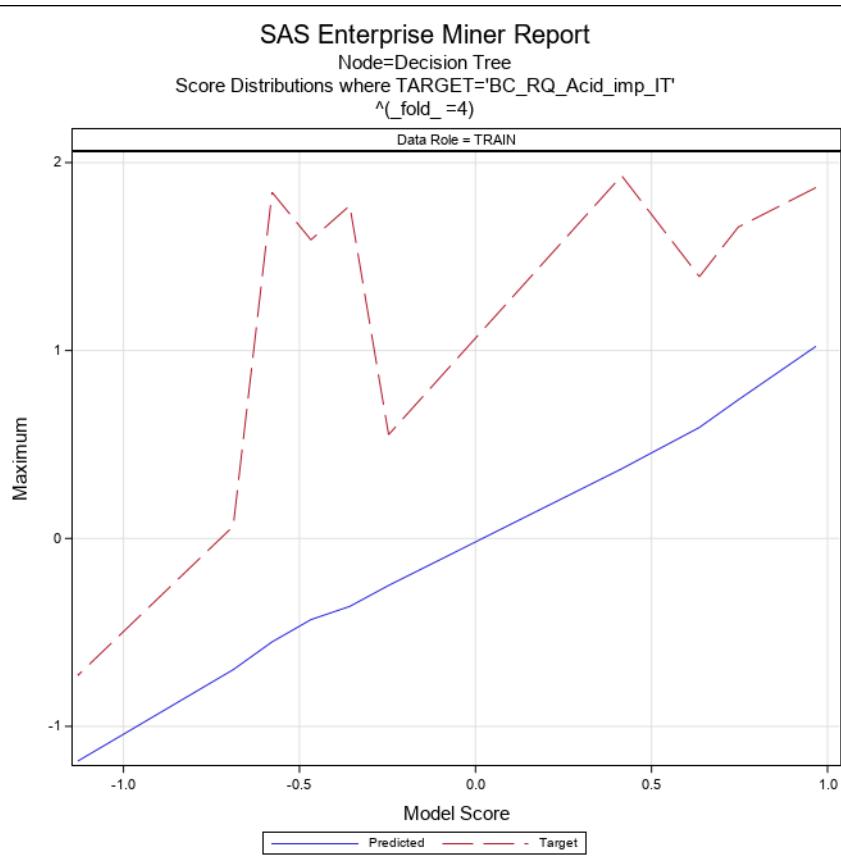
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

Data Role = TRAIN

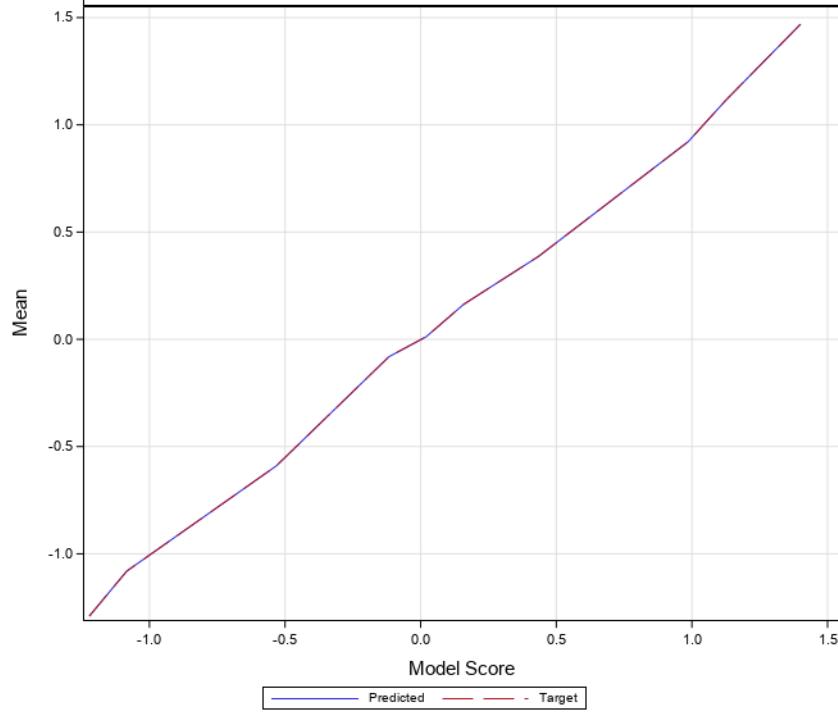


### SAS Enterprise Miner Report

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

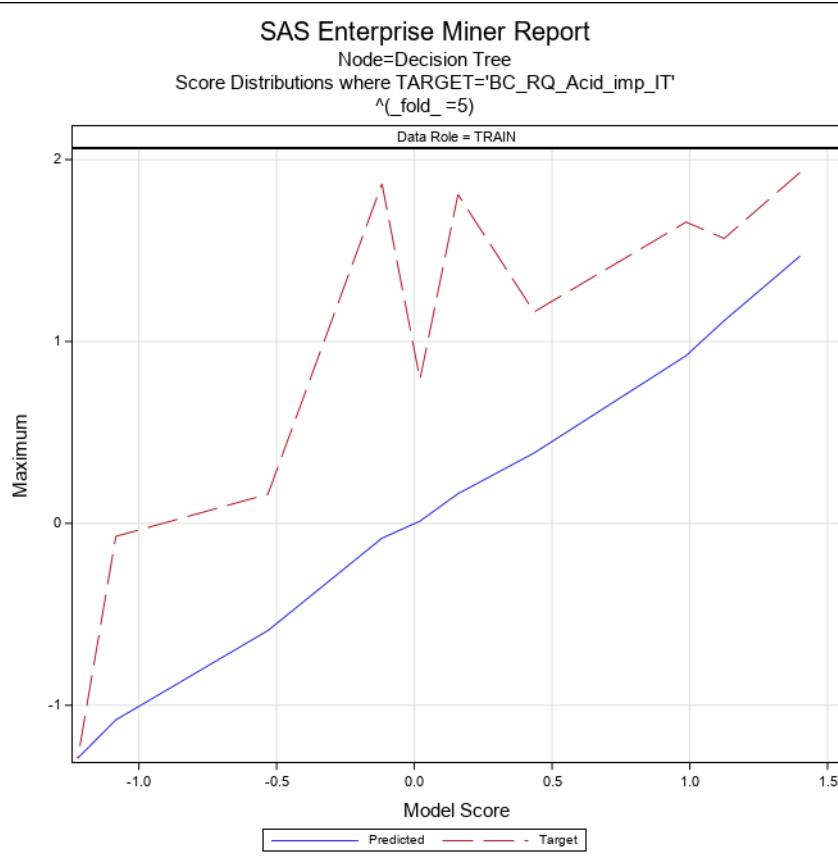


### SAS Enterprise Miner Report

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

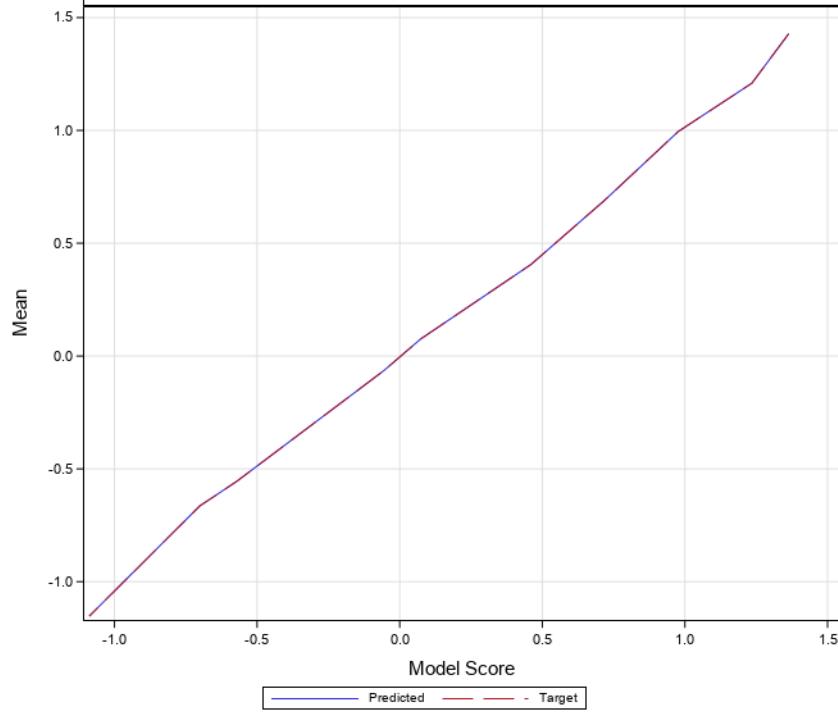


**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

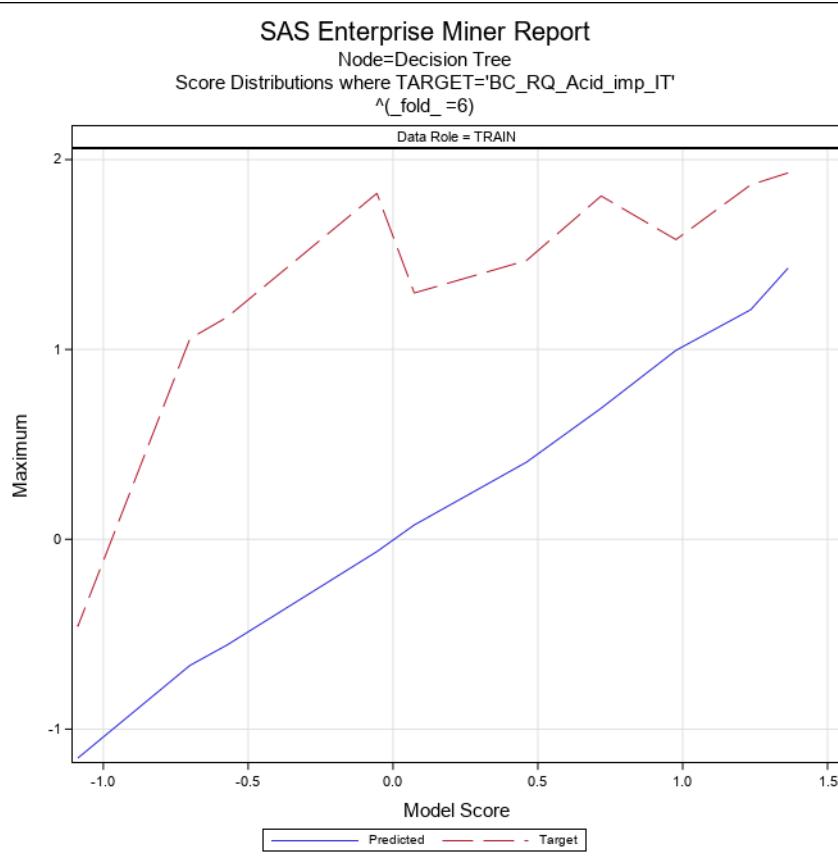
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

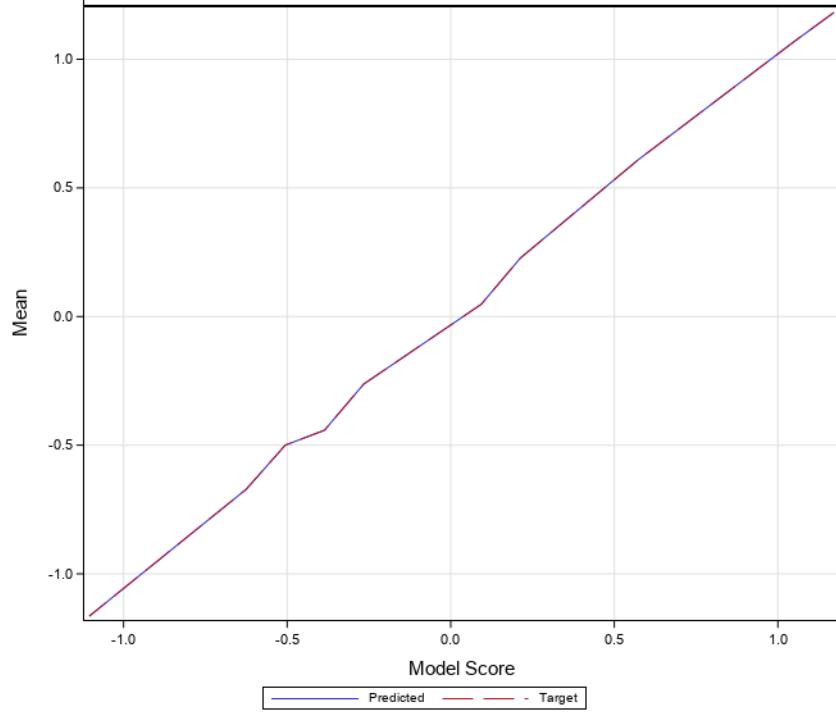


**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

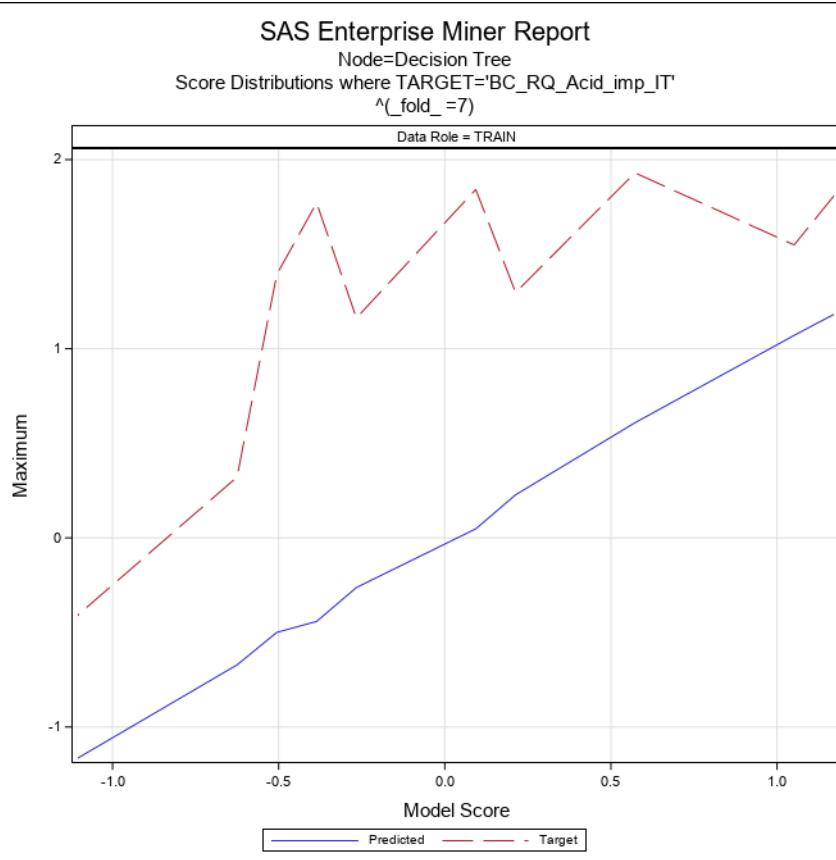
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN



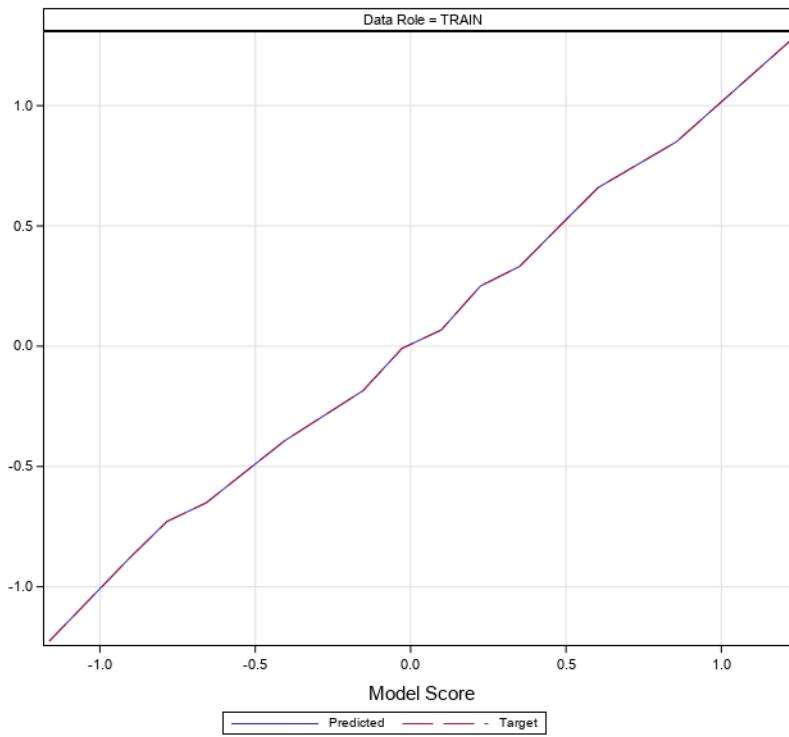
**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

Mean



Model Score

Predicted — Target -

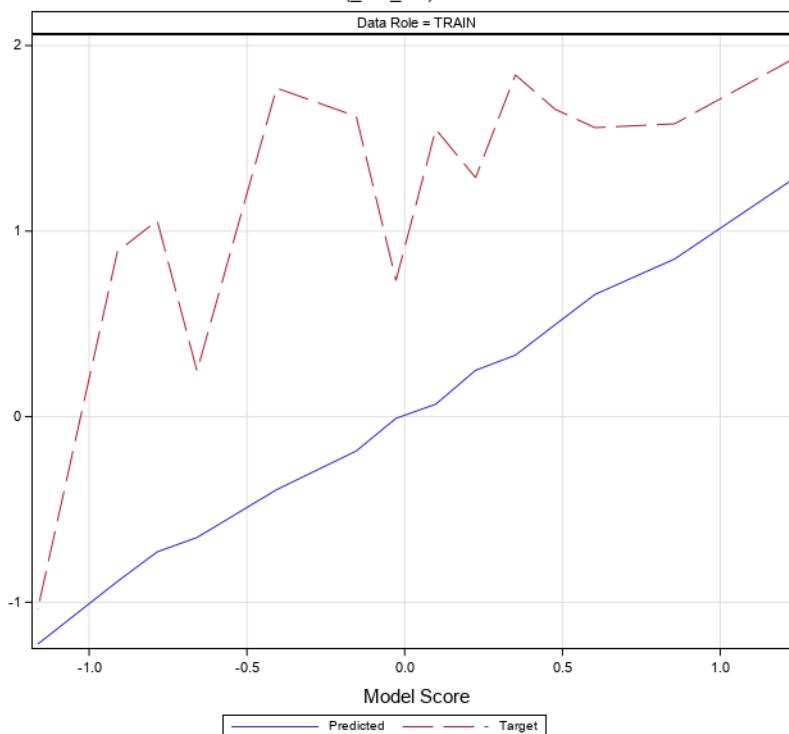
**SAS Enterprise Miner Report**

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

Maximum



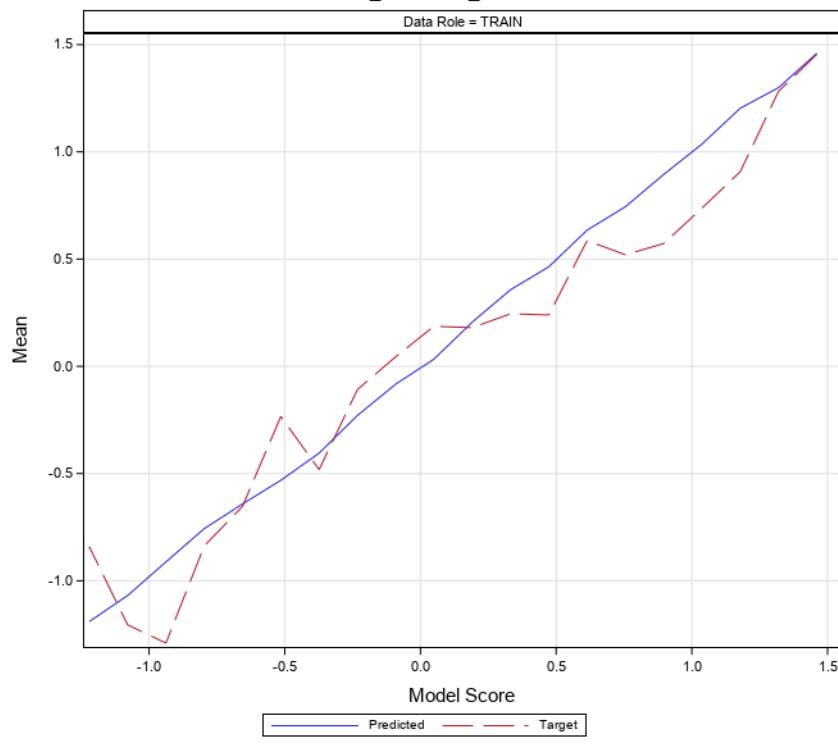
Model Score

Predicted — Target -

### SAS Enterprise Miner Report

Node=Decision Tree

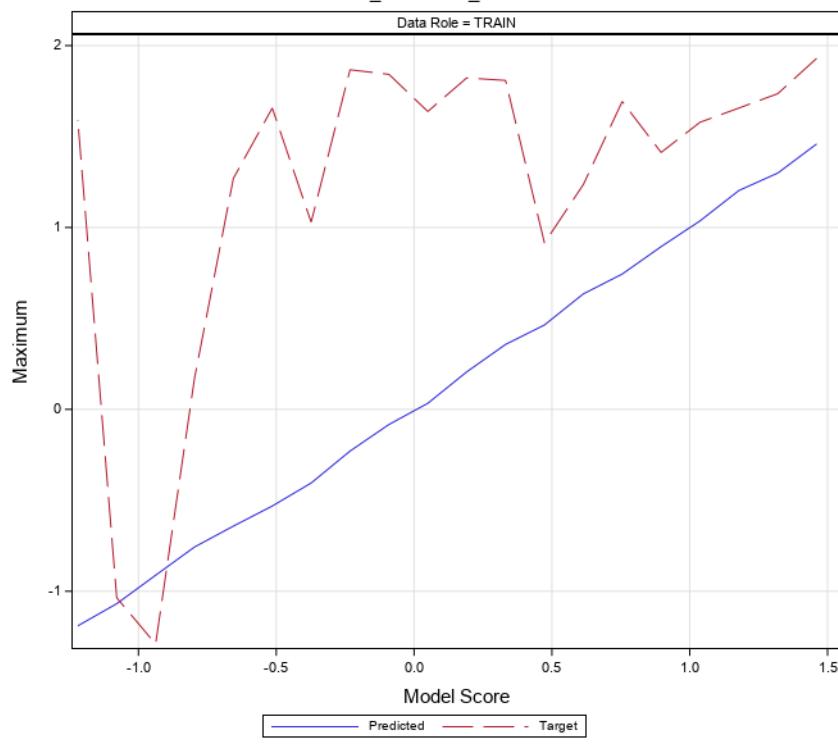
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_



### SAS Enterprise Miner Report

Node=Decision Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_



### Node=Decision Tree Score Distributions

Group=^(fold\_=1) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.397 - 1.531	1.53102	1.53102	1.53102	1.53102	1.80838	1.24885
1.128 - 1.262	1.26188	1.26188	1.26188	1.26188	1.92987	0.13852
0.457 - 0.591	0.54193	0.59021	0.47986	0.54193	1.44384	-0.45852
0.323 - 0.457	0.34810	0.34810	0.34810	0.34810	1.84202	-1.29040
0.054 - 0.188	0.09718	0.13697	0.07296	0.09718	1.51415	-1.29040
-0.080 - 0.054	0.04452	0.04452	0.04452	0.04452	1.35721	-1.29040
-0.215 - -0.080	-0.17023	-0.17023	-0.17023	-0.17023	0.71868	-1.29040
-0.349 - -0.215	-0.25092	-0.25092	-0.25092	-0.25092	1.72308	-1.29040
-0.483 - -0.349	-0.42761	-0.42761	-0.42761	-0.42761	0.26501	-0.98338
-0.617 - -0.483	-0.60678	-0.60678	-0.60678	-0.60678	1.46801	-1.29040
-1.154 - -1.020	-1.15443	-1.15443	-1.15443	-1.15443	-0.10262	-1.29040

## Node=Decision Tree Score Distributions

Group=^(fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.266 - 1.364	1.36351	1.36351	1.36351	1.36351	1.92987	0.88977
1.071 - 1.168	1.10000	1.10000	1.10000	1.10000	1.84202	-0.24068
0.680 - 0.778	0.68423	0.68423	0.68423	0.68423	1.54878	-0.95955
0.582 - 0.680	0.65919	0.65919	0.65919	0.65919	0.98555	0.30288
0.290 - 0.387	0.34151	0.34151	0.34151	0.34151	1.46801	-0.88860
0.192 - 0.290	0.25406	0.25406	0.25406	0.25406	1.80838	-1.29040
0.094 - 0.192	0.10803	0.10803	0.10803	0.10803	1.46404	-1.29040
-0.296 - -0.199	-0.22688	-0.22688	-0.22688	-0.22688	1.86701	-1.29040
-0.491 - -0.394	-0.42567	-0.42567	-0.42567	-0.42567	0.85049	-1.29040
-0.589 - -0.491	-0.58908	-0.58908	-0.58908	-0.58908	0.86781	-1.29040

## Node=Decision Tree Score Distributions

Group=^(fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.205 - 1.308	1.30813	1.30813	1.30813	1.30813	1.55764	0.40630
0.998 - 1.102	1.02507	1.02507	1.02507	1.02507	1.72308	0.28418
0.792 - 0.895	0.82684	0.84824	0.80276	0.82684	1.80838	-1.29040
0.688 - 0.792	0.71826	0.72500	0.70528	0.71826	1.92987	-1.29040
0.585 - 0.688	0.66623	0.66623	0.66623	0.66623	1.82242	-1.29040
0.275 - 0.379	0.33688	0.33688	0.33688	0.33688	1.02925	-0.13485
-0.035 - 0.069	0.02693	0.04854	0.02408	0.02693	1.63777	-1.29040
-0.241 - -0.138	-0.21240	-0.19283	-0.23356	-0.21240	1.77106	-1.29040
-0.757 - -0.654	-0.72361	-0.70731	-0.75748	-0.72361	1.05704	-1.29040

## Node=Decision Tree Score Distributions

Group=^(fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.912 - 1.022	1.02216	1.02216	1.02216	1.02216	1.86701	-0.16851
0.691 - 0.801	0.73759	0.73759	0.73759	0.73759	1.65655	-0.69337
0.581 - 0.691	0.59063	0.59902	0.58328	0.59063	1.39306	-0.10262
0.360 - 0.470	0.37068	0.37068	0.37068	0.37068	1.92987	-1.29040
-0.302 - -0.192	-0.25000	-0.25000	-0.25000	-0.25000	0.55237	-1.29040
-0.412 - -0.302	-0.36167	-0.36167	-0.36167	-0.36167	1.77106	-1.29040

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.523 - -0.412	-0.43204	-0.43204	-0.43204	-0.43204	1.58869	-1.29040
-0.633 - -0.523	-0.55053	-0.54439	-0.58350	-0.55053	1.84202	-1.29040
-0.743 - -0.633	-0.69820	-0.69820	-0.69820	-0.69820	0.06480	-1.29040
-1.185 - -1.074	-1.18474	-1.18474	-1.18474	-1.18474	-0.72860	-1.29040

## Node=Decision Tree Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.331 - 1.469	1.46948	1.46948	1.46948	1.46948	1.92987	1.02925
1.055 - 1.193	1.11408	1.11408	1.11408	1.11408	1.56639	0.40630
0.918 - 1.055	0.92178	0.92472	0.91945	0.92178	1.65655	-0.69337
0.366 - 0.504	0.38666	0.38666	0.38666	0.38666	1.16250	-0.98338
0.090 - 0.228	0.16302	0.19487	0.15784	0.16302	1.80838	-1.29040
-0.048 - 0.090	0.01227	0.01227	0.01227	0.01227	0.79170	-1.29040
-0.186 - -0.048	-0.08158	-0.05246	-0.15948	-0.08158	1.86701	-1.29040
-0.600 - -0.462	-0.58937	-0.58937	-0.58937	-0.58937	0.16052	-1.29040
-1.152 - -1.014	-1.08052	-1.06845	-1.14570	-1.08052	-0.07171	-1.29040
-1.290 - -1.152	-1.29040	-1.29040	-1.29040	-1.29040	-1.29040	-1.29040

## Node=Decision Tree Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.299 - 1.428	1.42831	1.42831	1.42831	1.42831	1.92987	0.85049
1.170 - 1.299	1.20923	1.22194	1.20014	1.20923	1.86701	-0.50236
0.912 - 1.041	0.99511	0.99511	0.99511	0.99511	1.57848	0.03319
0.654 - 0.783	0.69053	0.72386	0.68515	0.69053	1.80838	-1.29040
0.396 - 0.525	0.40602	0.40910	0.40010	0.40602	1.46801	-1.29040
0.009 - 0.138	0.07540	0.07540	0.07540	0.07540	1.29756	-1.29040
-0.120 - 0.009	-0.06470	-0.01709	-0.10247	-0.06470	1.82242	-1.29040
-0.636 - -0.507	-0.55582	-0.51628	-0.58983	-0.55582	1.17083	-1.29040
-0.765 - -0.636	-0.66428	-0.66428	-0.66428	-0.66428	1.05704	-1.29040
-1.152 - -1.023	-1.15248	-1.15248	-1.15248	-1.15248	-0.45852	-1.29040

## Node=Decision Tree Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.111 - 1.231	1.18190	1.23118	1.15911	1.18190	1.80838	-0.24068
0.992 - 1.111	1.07056	1.07056	1.07056	1.07056	1.54878	-0.18592
0.513 - 0.632	0.60862	0.62380	0.54183	0.60862	1.92987	-0.84532
0.153 - 0.273	0.22754	0.24753	0.21754	0.22754	1.29756	-0.69337
0.033 - 0.153	0.04765	0.14311	0.03573	0.04765	1.84202	-1.29040
-0.326 - -0.206	-0.26261	-0.26261	-0.26261	-0.26261	1.16250	-1.29040
-0.446 - -0.326	-0.44194	-0.44194	-0.44194	-0.44194	1.77106	-1.29040
-0.565 - -0.446	-0.49986	-0.49986	-0.49986	-0.49986	1.39306	-1.29040
-0.685 - -0.565	-0.67170	-0.66713	-0.67423	-0.67170	0.32113	-1.29040
-1.164 - -1.045	-1.16437	-1.16437	-1.16437	-1.16437	-0.40813	-1.29040

## Node=Decision Tree Score Distributions

Group= $\wedge$ ( $\_fold\_ = 8$ ) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.171 - 1.297	1.28317	1.29663	1.27617	1.28317	1.92987	0.62815
0.792 - 0.918	0.84958	0.87504	0.80228	0.84958	1.57848	-0.72860
0.540 - 0.666	0.65885	0.65885	0.65885	0.65885	1.55764	-1.21823
0.414 - 0.540	0.49591	0.49591	0.49591	0.49591	1.65655	-0.98338
0.288 - 0.414	0.33153	0.33153	0.33153	0.33153	1.84202	-1.29040
0.162 - 0.288	0.24994	0.28350	0.17724	0.24994	1.28782	-1.29040
0.035 - 0.162	0.06740	0.08234	0.05993	0.06740	1.54878	-1.29040
-0.091 - 0.035	-0.00887	-0.00887	-0.00887	-0.00887	0.73451	-0.80438
-0.217 - -0.091	-0.18521	-0.12190	-0.19365	-0.18521	1.61852	-1.29040
-0.469 - -0.343	-0.39346	-0.38088	-0.39444	-0.39346	1.77106	-1.29040
-0.721 - -0.595	-0.65117	-0.65117	-0.65117	-0.65117	0.24534	-1.29040
-0.847 - -0.721	-0.72854	-0.72854	-0.72854	-0.72854	1.05704	-1.29040
-0.973 - -0.847	-0.88804	-0.86712	-0.91196	-0.88804	0.88977	-1.29040
-1.226 - -1.100	-1.22564	-1.22564	-1.22564	-1.22564	-1.03562	-1.29040

## Node=Decision Tree Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.390 - 1.531	1.45915	1.53102	1.42831	1.45473	1.92987	0.98555
1.249 - 1.390	1.29922	1.36351	1.26188	1.28194	1.73571	0.80905
1.108 - 1.249	1.20323	1.23118	1.15911	0.90738	1.65655	0.36155
0.967 - 1.108	1.03610	1.10000	1.02216	0.73729	1.57848	-0.16851
0.826 - 0.967	0.89457	0.91945	0.84824	0.57220	1.41251	-1.15845
0.685 - 0.826	0.74400	0.80276	0.68515	0.52012	1.69276	-1.29040
0.544 - 0.685	0.63495	0.68423	0.58328	0.58626	1.23607	-0.45852
0.402 - 0.544	0.46398	0.54183	0.40910	0.23947	0.91488	-1.21823
0.261 - 0.402	0.35702	0.38666	0.28350	0.24503	1.80838	-1.29040
0.120 - 0.261	0.20598	0.25406	0.13697	0.18022	1.82242	-1.29040
-0.021 - 0.120	0.03339	0.11800	-0.01709	0.18660	1.63777	-1.29040
-0.162 - -0.021	-0.08325	-0.05246	-0.15948	0.04454	1.84202	-1.29040
-0.303 - -0.162	-0.22934	-0.17023	-0.26261	-0.10875	1.86701	-1.29040
-0.444 - -0.303	-0.40490	-0.36167	-0.44194	-0.48149	1.02925	-1.29040
-0.585 - -0.444	-0.53146	-0.49986	-0.54943	-0.23397	1.65655	-1.29040
-0.726 - -0.585	-0.64178	-0.58908	-0.71685	-0.65306	1.26974	-1.29040
-0.867 - -0.726	-0.75680	-0.72854	-0.86712	-0.83743	0.17012	-1.29040
-1.008 - -0.867	-0.91196	-0.91196	-0.91196	-1.29040	-1.29040	-1.29040
-1.149 - -1.008	-1.06845	-1.06845	-1.06845	-1.20548	-1.03562	-1.29040
-1.290 - -1.149	-1.18997	-1.15248	-1.29040	-0.84192	1.58869	-1.29040

## Node=Decision Tree Summary

Group Index	Group	Frequency Count
1	$\wedge$ ( $\_fold\_ = 1$ )	341
2	$\wedge$ ( $\_fold\_ = 2$ )	348
3	$\wedge$ ( $\_fold\_ = 3$ )	344
4	$\wedge$ ( $\_fold\_ = 4$ )	342
5	$\wedge$ ( $\_fold\_ = 5$ )	353
6	$\wedge$ ( $\_fold\_ = 6$ )	338
7	$\wedge$ ( $\_fold\_ = 7$ )	349
8	$\wedge$ ( $\_fold\_ = 8$ )	336

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp => Tree2 => EndGrp  
 Notes =

### Node=End Groups Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

### Node=End Groups Variable Summary

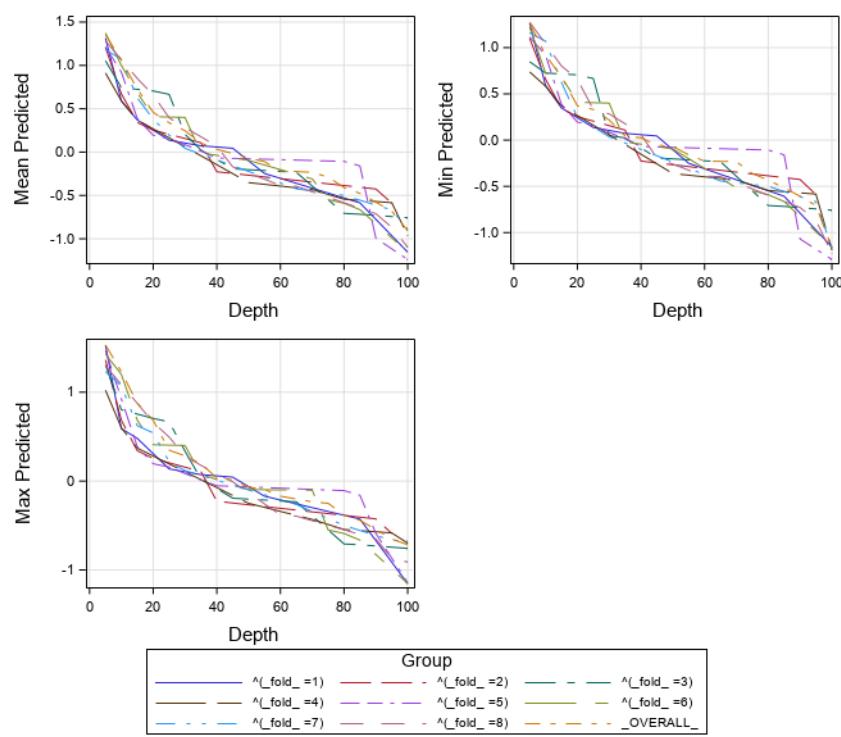
Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAsTot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Sum of Frequencies	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Average Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Target Label
1	^(fold_=1)	Tree2	BC_RQ_Acid_imp_IT	340	2.07479	233.806	0.68767	0.82926	340	340	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	Tree2	BC_RQ_Acid_imp_IT	354	2.09389	275.479	0.77819	0.88215	354	354	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	Tree2	BC_RQ_Acid_imp_IT	343	2.09316	237.476	0.69235	0.83208	343	343	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	Tree2	BC_RQ_Acid_imp_IT	339	2.38641	250.001	0.73747	0.85876	339	339	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	Tree2	BC_RQ_Acid_imp_IT	356	1.93572	242.103	0.68006	0.82466	356	356	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	Tree2	BC_RQ_Acid_imp_IT	349	1.97555	215.336	0.61701	0.78550	349	349	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	Tree2	BC_RQ_Acid_imp_IT	341	2.21300	222.999	0.65396	0.80868	341	341	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	Tree2	BC_RQ_Acid_imp_IT	341	2.16550	197.144	0.57813	0.76035	341	341	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	393	2.23187	295.206	0.75116	0.86670	393	.	ReQuest (acid subscale) (Box-Cox transformed)

## SAS Enterprise Miner Report

Node=End Groups

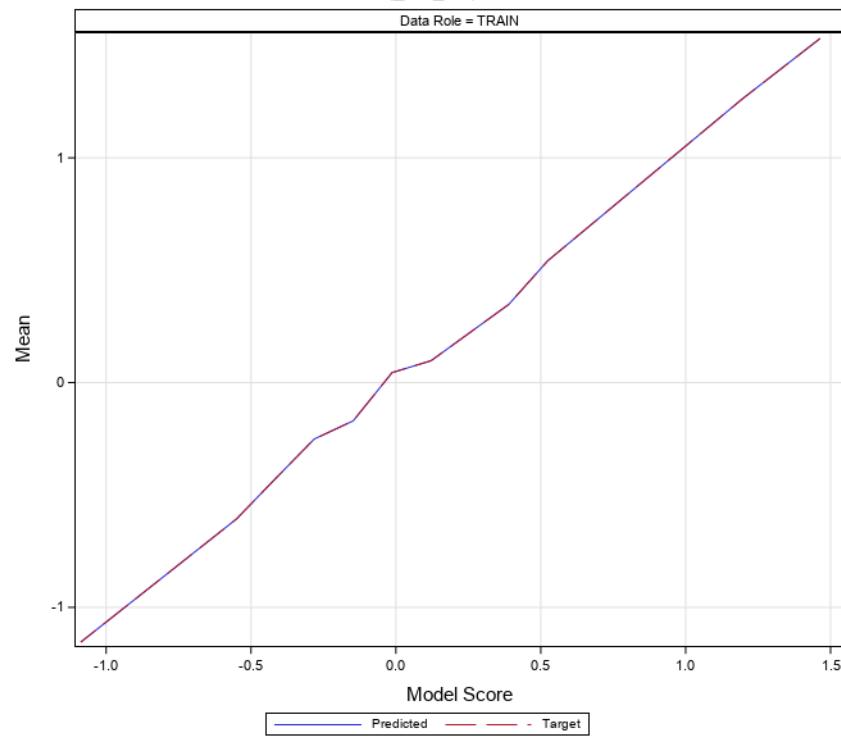
Multiple Model Assessment Scores where DataRole=TRAIN  
TARGET='BC\_RQ\_Acid\_imp\_IT'



## SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge_{\text{fold\_}} = 1)$

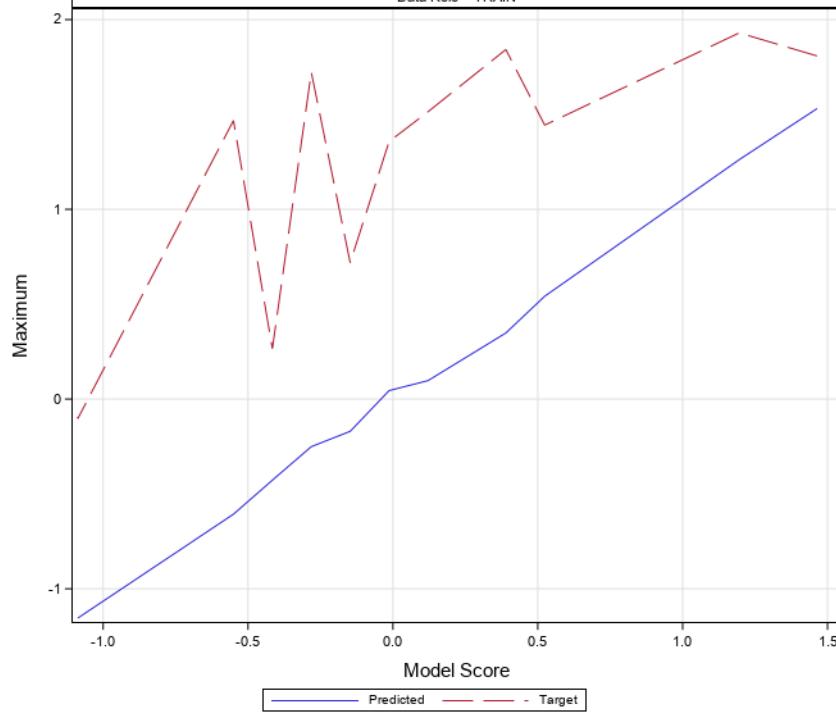


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

Data Role = TRAIN

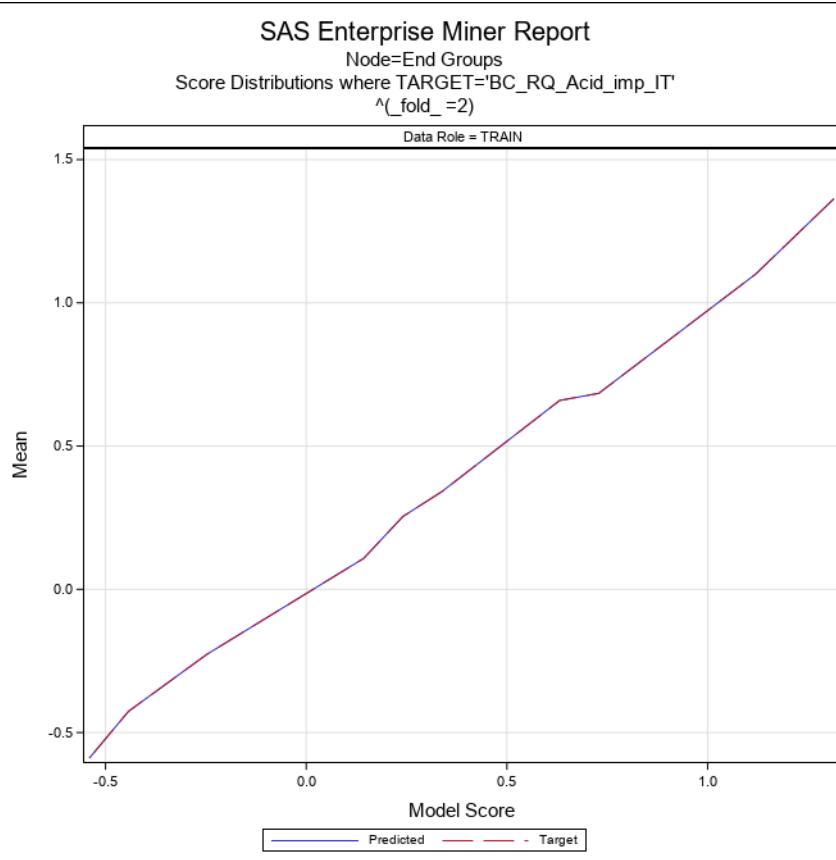


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

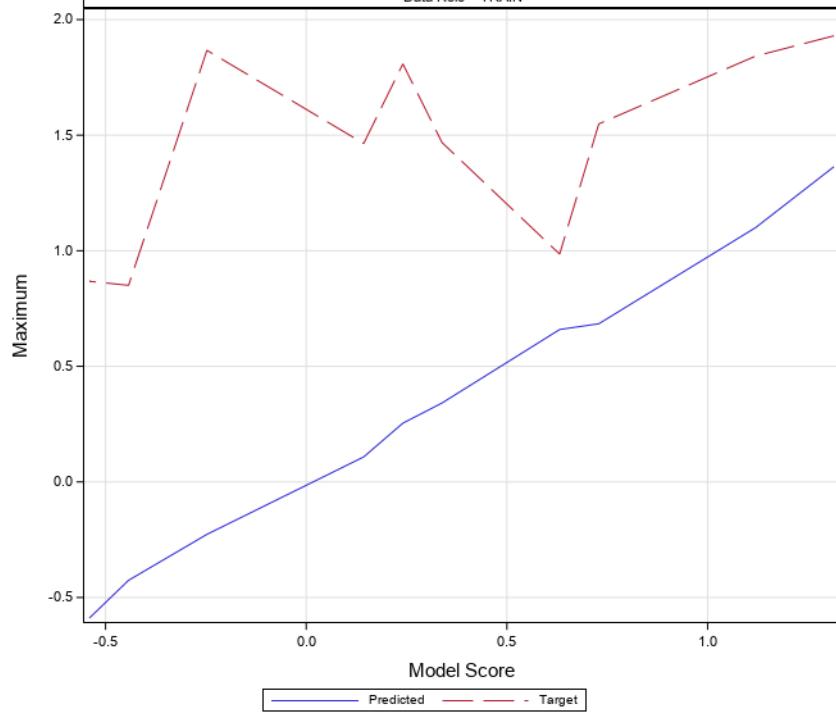


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

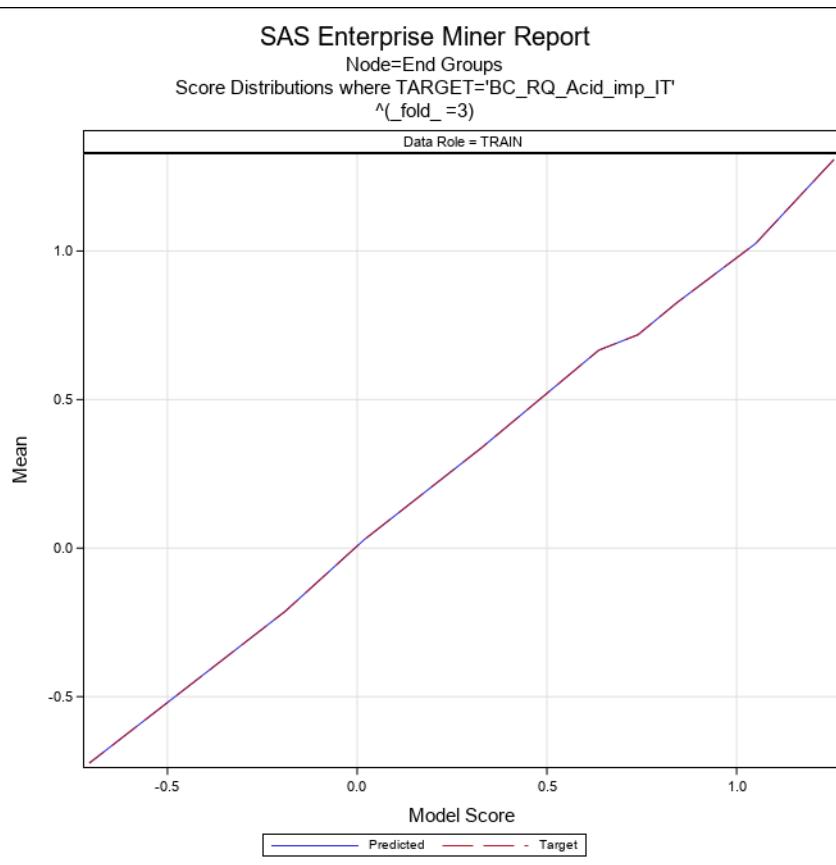


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

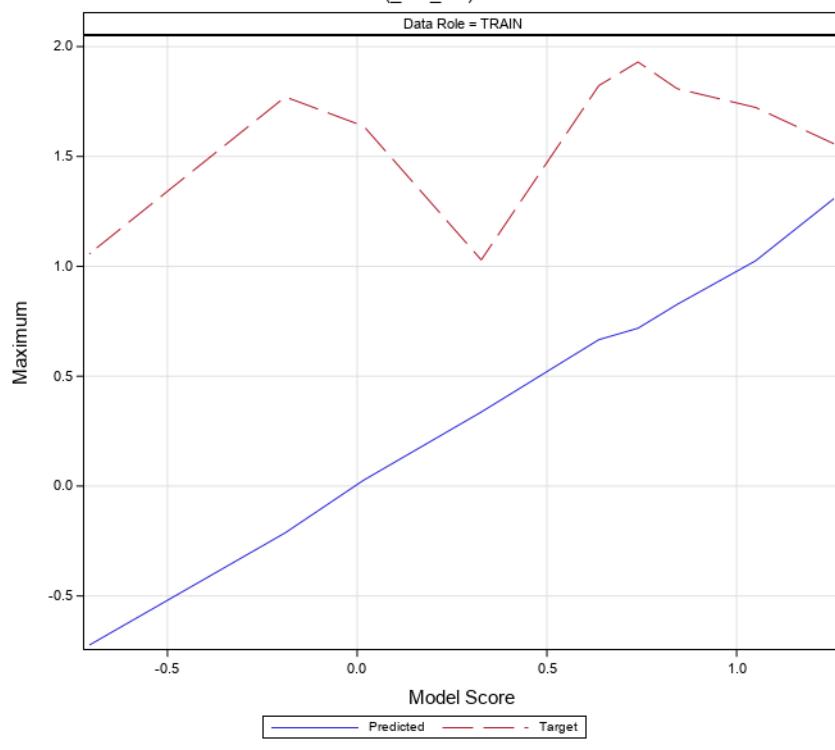


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)

Data Role = TRAIN

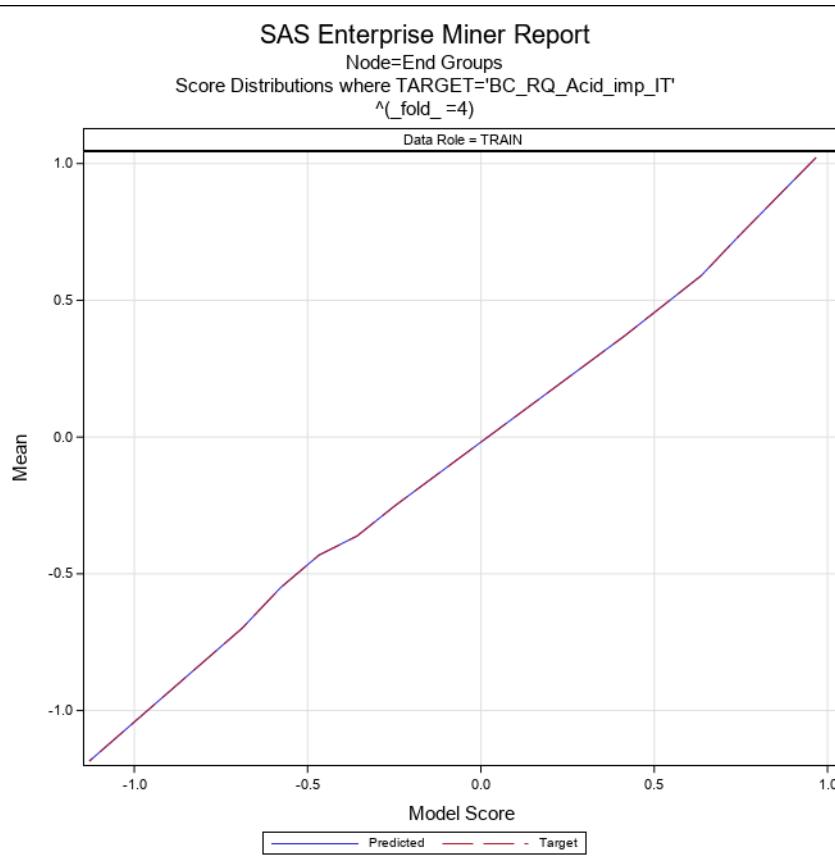


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

Data Role = TRAIN

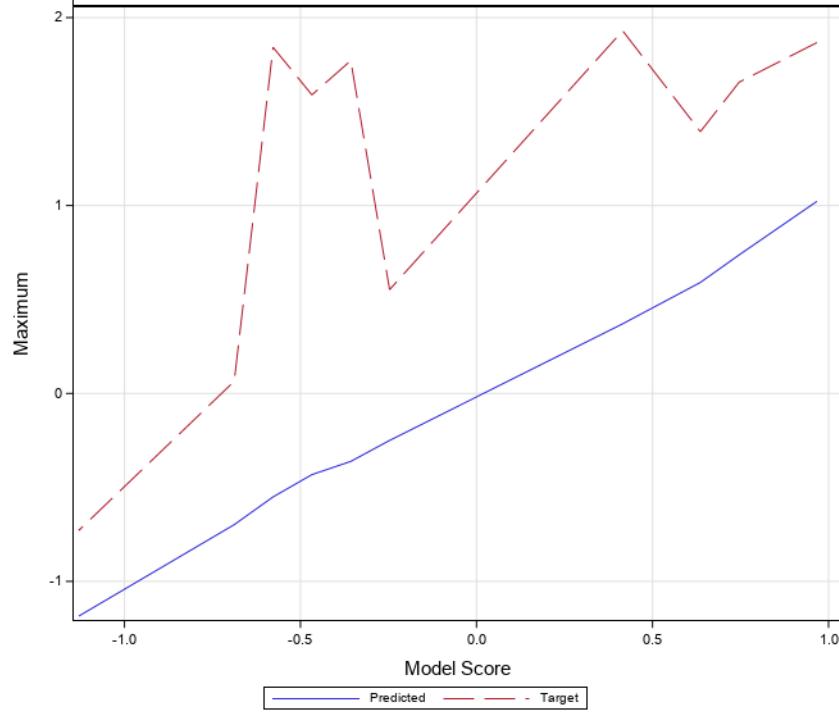


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

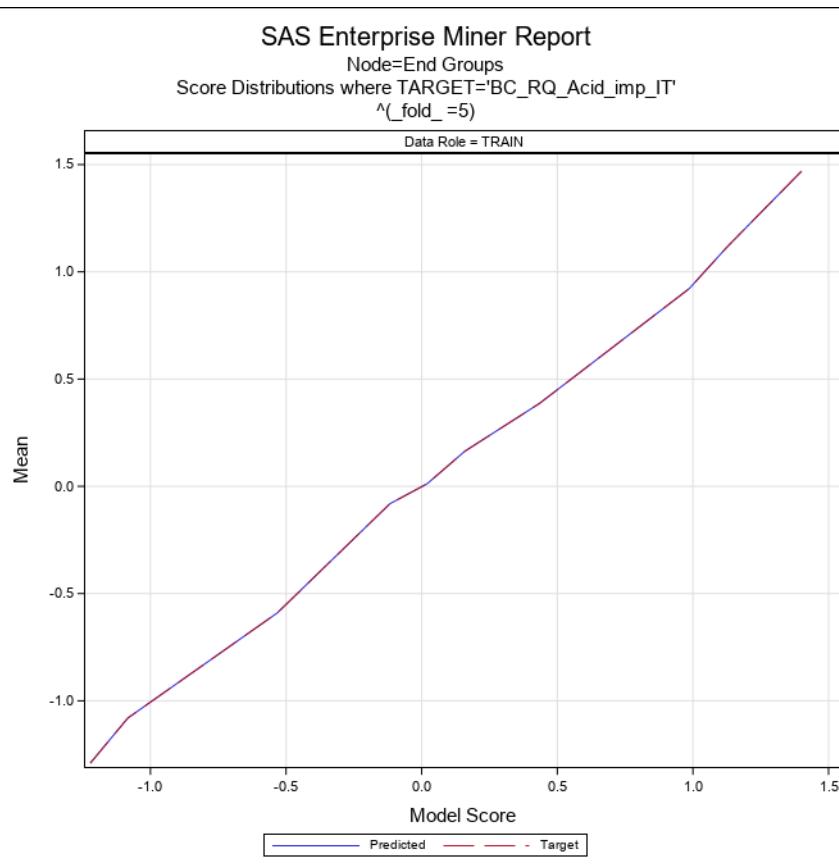
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

Data Role = TRAIN

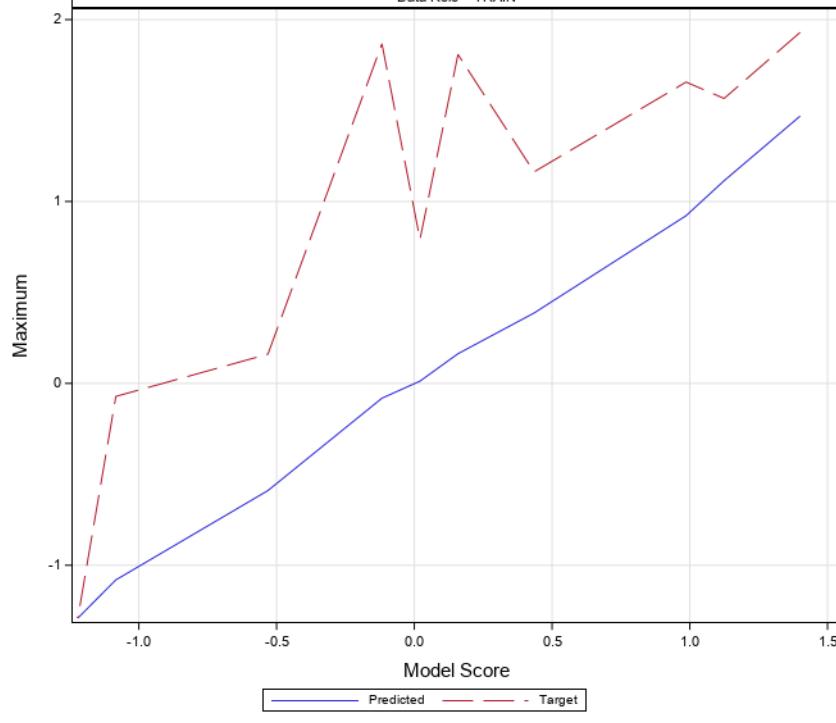


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

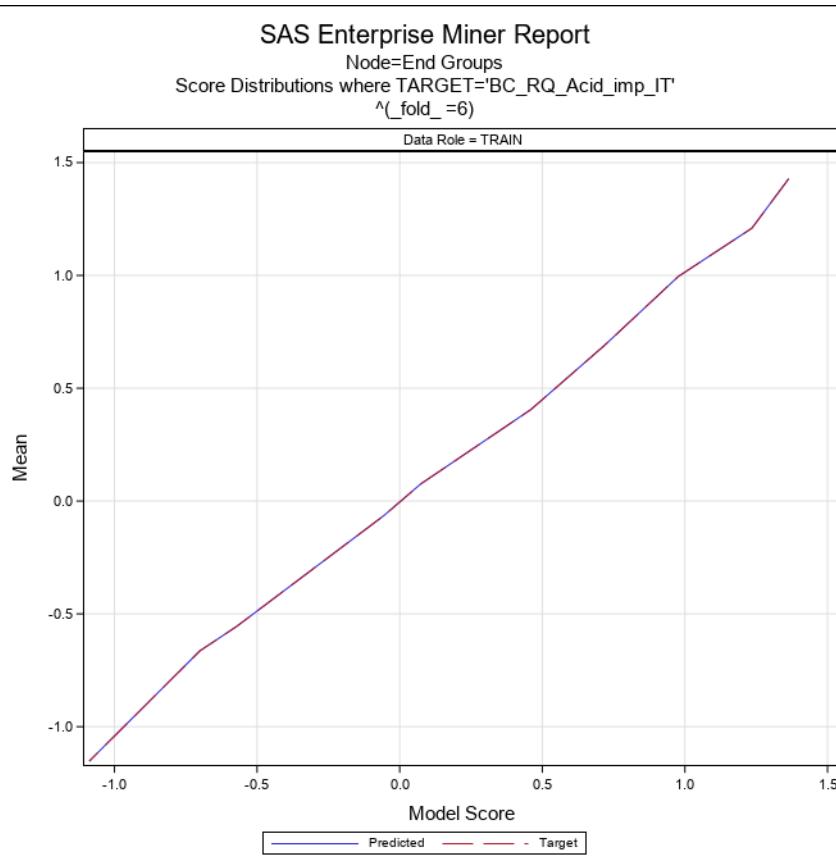


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

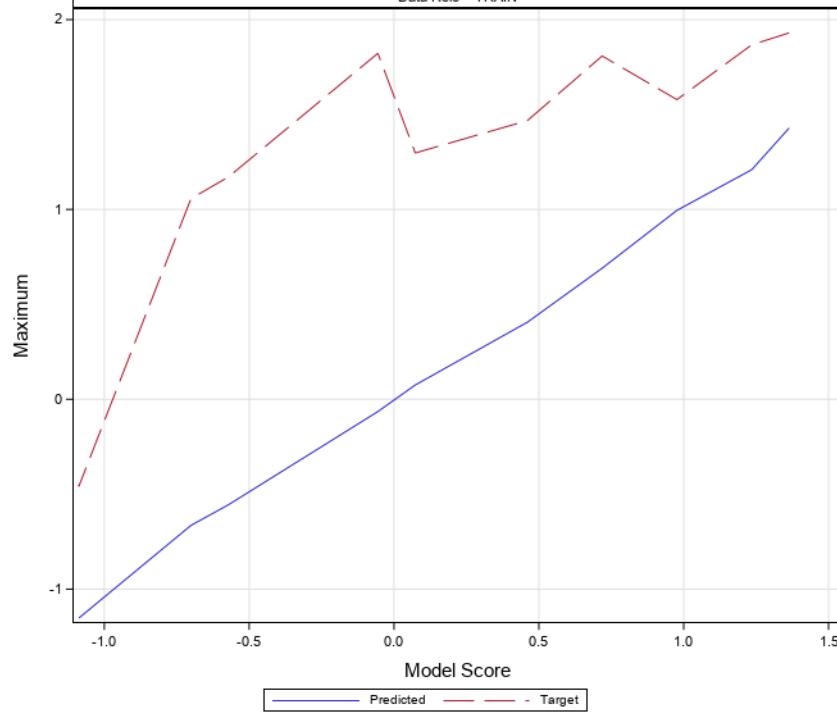


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

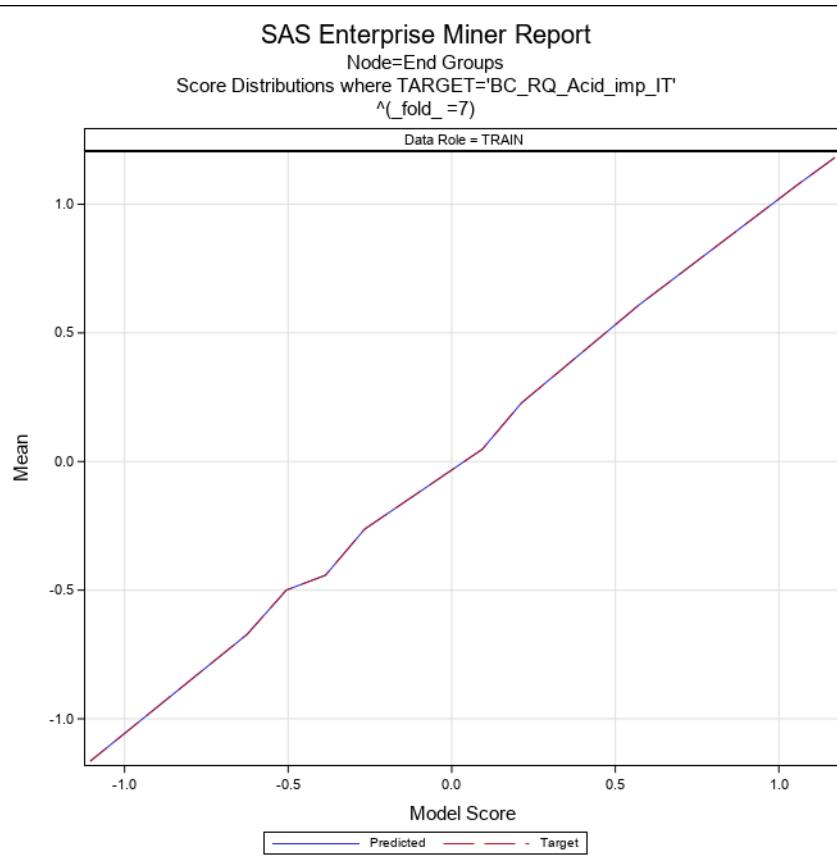


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

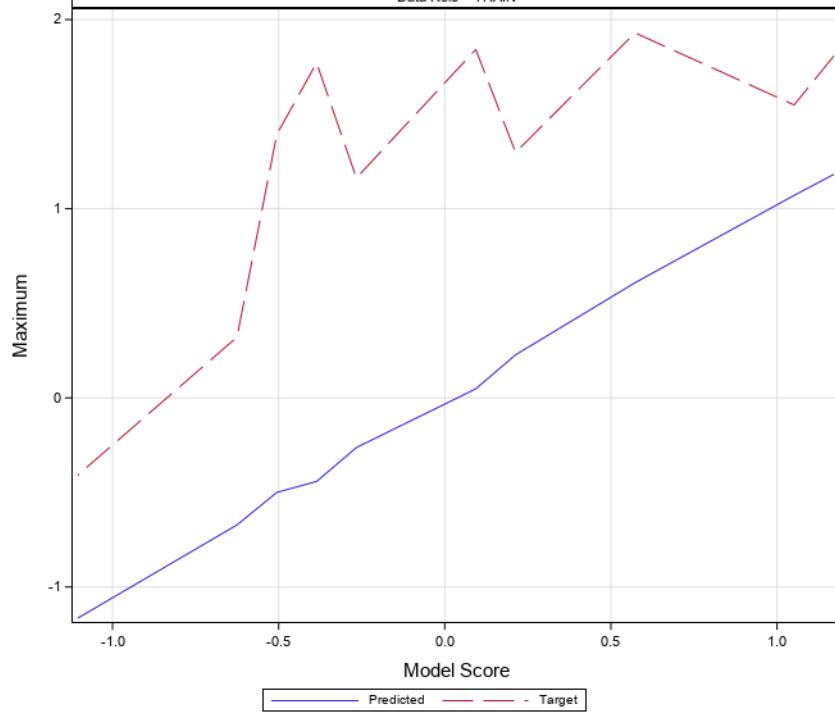


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

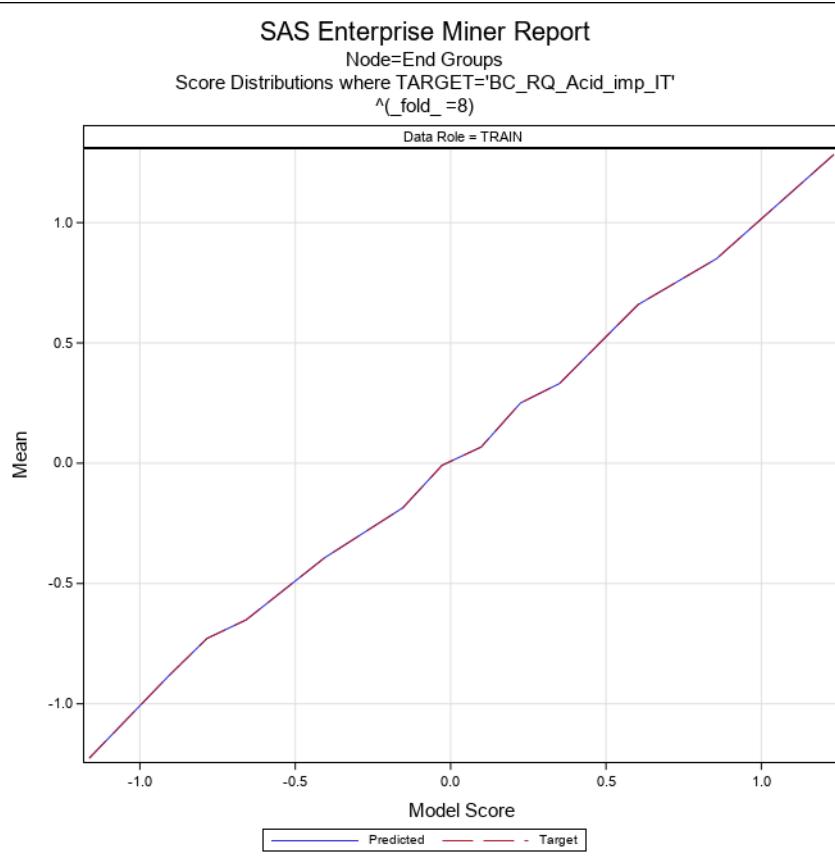


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

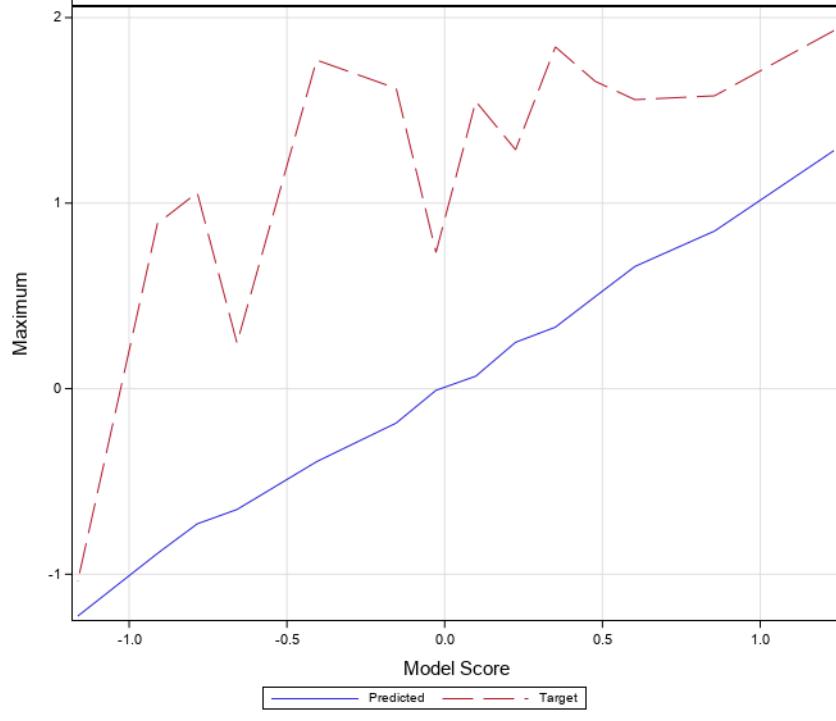


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

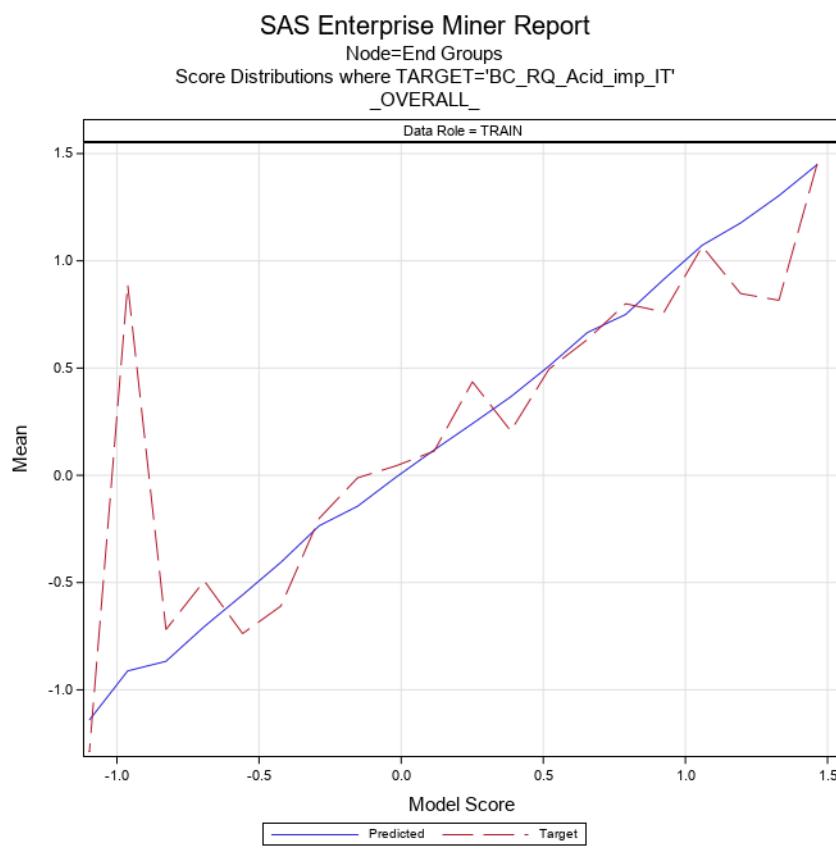


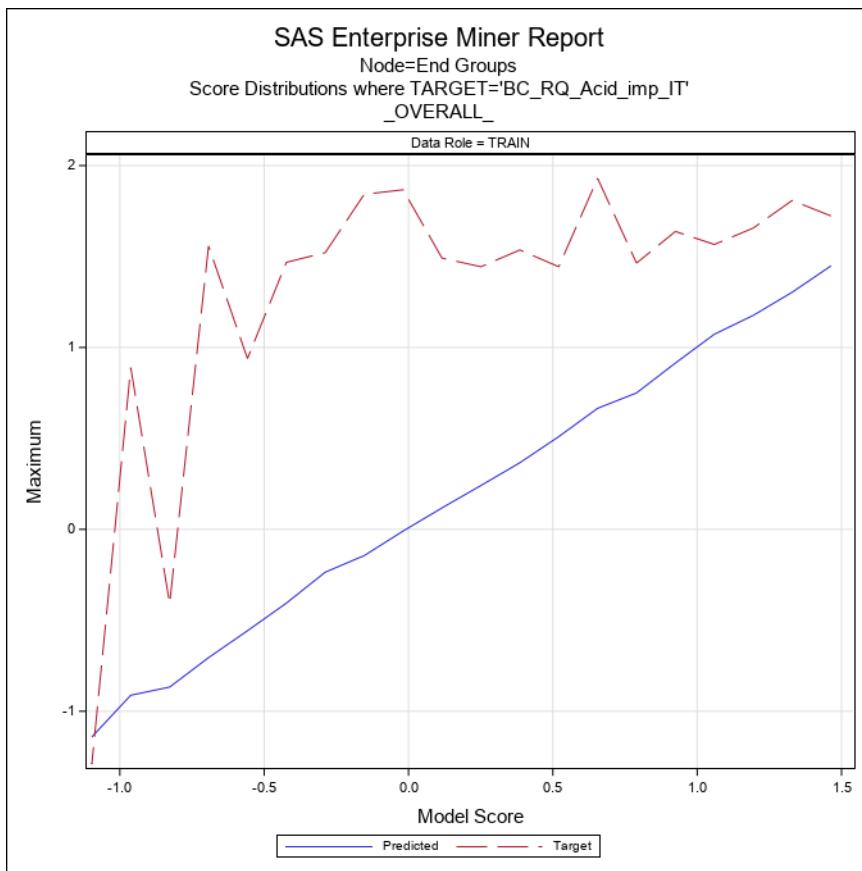
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### Node=End Groups Score Distributions

Group=\_fold\_=1 Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.397 - 1.531	1.53102	1.53102	1.53102	1.53102	1.80838	1.24885
1.128 - 1.262	1.26188	1.26188	1.26188	1.26188	1.92987	0.13852
0.457 - 0.591	0.54193	0.59021	0.47986	0.54193	1.44384	-0.45852
0.323 - 0.457	0.34810	0.34810	0.34810	0.34810	1.84202	-1.29040
0.054 - 0.188	0.09718	0.13697	0.07296	0.09718	1.51415	-1.29040
-0.080 - 0.054	0.04452	0.04452	0.04452	0.04452	1.35721	-1.29040
-0.215 - -0.080	-0.17023	-0.17023	-0.17023	-0.17023	0.71868	-1.29040
-0.349 - -0.215	-0.25092	-0.25092	-0.25092	-0.25092	1.72308	-1.29040
-0.483 - -0.349	-0.42761	-0.42761	-0.42761	-0.42761	0.26501	-0.98338
-0.617 - -0.483	-0.60678	-0.60678	-0.60678	-0.60678	1.46801	-1.29040
-1.154 - -1.020	-1.15443	-1.15443	-1.15443	-1.15443	-0.10262	-1.29040

### Node=End Groups Score Distributions

Group=\_fold\_=2 Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.266 - 1.364	1.36351	1.36351	1.36351	1.36351	1.92987	0.88977
1.071 - 1.168	1.10000	1.10000	1.10000	1.10000	1.84202	-0.24068
0.680 - 0.778	0.68423	0.68423	0.68423	0.68423	1.54878	-0.95955
0.582 - 0.680	0.65919	0.65919	0.65919	0.65919	0.98555	0.30288
0.290 - 0.387	0.34151	0.34151	0.34151	0.34151	1.46801	-0.88860
0.192 - 0.290	0.25406	0.25406	0.25406	0.25406	1.80838	-1.29040
0.094 - 0.192	0.10803	0.10803	0.10803	0.10803	1.46404	-1.29040
-0.296 - -0.199	-0.22688	-0.22688	-0.22688	-0.22688	1.86701	-1.29040
-0.491 - -0.394	-0.42567	-0.42567	-0.42567	-0.42567	0.85049	-1.29040
-0.589 - -0.491	-0.58908	-0.58908	-0.58908	-0.58908	0.86781	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ (fold\_ =3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.205 - 1.308	1.30813	1.30813	1.30813	1.30813	1.55764	0.40630
0.998 - 1.102	1.02507	1.02507	1.02507	1.02507	1.72308	0.28418
0.792 - 0.895	0.82684	0.84824	0.80276	0.82684	1.80838	-1.29040
0.688 - 0.792	0.71826	0.72500	0.70528	0.71826	1.92987	-1.29040
0.585 - 0.688	0.66623	0.66623	0.66623	0.66623	1.82242	-1.29040
0.275 - 0.379	0.33688	0.33688	0.33688	0.33688	1.02925	-0.13485
-0.035 - 0.069	0.02693	0.04854	0.02408	0.02693	1.63777	-1.29040
-0.241 - -0.138	-0.21240	-0.19283	-0.23356	-0.21240	1.77106	-1.29040
-0.757 - -0.654	-0.72361	-0.70731	-0.75748	-0.72361	1.05704	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ (fold\_ =4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.912 - 1.022	1.02216	1.02216	1.02216	1.02216	1.86701	-0.16851
0.691 - 0.801	0.73759	0.73759	0.73759	0.73759	1.65655	-0.69337
0.581 - 0.691	0.59063	0.59902	0.58328	0.59063	1.39306	-0.10262
0.360 - 0.470	0.37068	0.37068	0.37068	0.37068	1.92987	-1.29040
-0.302 - -0.192	-0.25000	-0.25000	-0.25000	-0.25000	0.55237	-1.29040
-0.412 - -0.302	-0.36167	-0.36167	-0.36167	-0.36167	1.77106	-1.29040
-0.523 - -0.412	-0.43204	-0.43204	-0.43204	-0.43204	1.58869	-1.29040
-0.633 - -0.523	-0.55053	-0.54439	-0.58350	-0.55053	1.84202	-1.29040
-0.743 - -0.633	-0.69820	-0.69820	-0.69820	-0.69820	0.06480	-1.29040
-1.185 - -1.074	-1.18474	-1.18474	-1.18474	-1.18474	-0.72860	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ (fold\_ =5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.331 - 1.469	1.46948	1.46948	1.46948	1.46948	1.92987	1.02925
1.055 - 1.193	1.11408	1.11408	1.11408	1.11408	1.56639	0.40630
0.918 - 1.055	0.92178	0.92472	0.91945	0.92178	1.65655	-0.69337
0.366 - 0.504	0.38666	0.38666	0.38666	0.38666	1.16250	-0.98338
0.090 - 0.228	0.16302	0.19487	0.15784	0.16302	1.80838	-1.29040
-0.048 - 0.090	0.01227	0.01227	0.01227	0.01227	0.79170	-1.29040
-0.186 - -0.048	-0.08158	-0.05246	-0.15948	-0.08158	1.86701	-1.29040
-0.600 - -0.462	-0.58937	-0.58937	-0.58937	-0.58937	0.16052	-1.29040
-1.152 - -1.014	-1.08052	-1.06845	-1.14570	-1.08052	-0.07171	-1.29040
-1.290 - -1.152	-1.29040	-1.29040	-1.29040	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group= $\wedge$ (fold\_ =6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.299 - 1.428	1.42831	1.42831	1.42831	1.42831	1.92987	0.85049
1.170 - 1.299	1.20923	1.22194	1.20014	1.20923	1.86701	-0.50236
0.912 - 1.041	0.99511	0.99511	0.99511	0.99511	1.57848	0.03319
0.654 - 0.783	0.69053	0.72386	0.68515	0.69053	1.80838	-1.29040

Group=\_fold\_ =6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.396 - 0.525	0.40602	0.40910	0.40010	0.40602	1.46801	-1.29040
0.009 - 0.138	0.07540	0.07540	0.07540	0.07540	1.29756	-1.29040
-0.120 - 0.009	-0.06470	-0.01709	-0.10247	-0.06470	1.82242	-1.29040
-0.636 - -0.507	-0.55582	-0.51628	-0.58983	-0.55582	1.17083	-1.29040
-0.765 - -0.636	-0.66428	-0.66428	-0.66428	-0.66428	1.05704	-1.29040
-1.152 - -1.023	-1.15248	-1.15248	-1.15248	-1.15248	-0.45852	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.111 - 1.231	1.18190	1.23118	1.15911	1.18190	1.80838	-0.24068
0.992 - 1.111	1.07056	1.07056	1.07056	1.07056	1.54878	-0.18592
0.513 - 0.632	0.60862	0.62380	0.54183	0.60862	1.92987	-0.84532
0.153 - 0.273	0.22754	0.24753	0.21754	0.22754	1.29756	-0.69337
0.033 - 0.153	0.04765	0.14311	0.03573	0.04765	1.84202	-1.29040
-0.326 - -0.206	-0.26261	-0.26261	-0.26261	-0.26261	1.16250	-1.29040
-0.446 - -0.326	-0.44194	-0.44194	-0.44194	-0.44194	1.77106	-1.29040
-0.565 - -0.446	-0.49986	-0.49986	-0.49986	-0.49986	1.39306	-1.29040
-0.685 - -0.565	-0.67170	-0.66713	-0.67423	-0.67170	0.32113	-1.29040
-1.164 - -1.045	-1.16437	-1.16437	-1.16437	-1.16437	-0.40813	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.171 - 1.297	1.28317	1.29663	1.27617	1.28317	1.92987	0.62815
0.792 - 0.918	0.84958	0.87504	0.80228	0.84958	1.57848	-0.72860
0.540 - 0.666	0.65885	0.65885	0.65885	0.65885	1.55764	-1.21823
0.414 - 0.540	0.49591	0.49591	0.49591	0.49591	1.65655	-0.98338
0.288 - 0.414	0.33153	0.33153	0.33153	0.33153	1.84202	-1.29040
0.162 - 0.288	0.24994	0.28350	0.17724	0.24994	1.28782	-1.29040
0.035 - 0.162	0.06740	0.08234	0.05993	0.06740	1.54878	-1.29040
-0.091 - 0.035	-0.00887	-0.00887	-0.00887	-0.00887	0.73451	-0.80438
-0.217 - -0.091	-0.18521	-0.12190	-0.19365	-0.18521	1.61852	-1.29040
-0.469 - -0.343	-0.39346	-0.38088	-0.39444	-0.39346	1.77106	-1.29040
-0.721 - -0.595	-0.65117	-0.65117	-0.65117	-0.65117	0.24534	-1.29040
-0.847 - -0.721	-0.72854	-0.72854	-0.72854	-0.72854	1.05704	-1.29040
-0.973 - -0.847	-0.88804	-0.86712	-0.91196	-0.88804	0.88977	-1.29040
-1.226 - -1.100	-1.22564	-1.22564	-1.22564	-1.22564	-1.03562	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.396 - 1.531	1.44887	1.53102	1.42831	1.45262	1.72308	1.33391
1.261 - 1.396	1.30371	1.36351	1.26188	0.81611	1.80838	-1.29040
1.127 - 1.261	1.17651	1.23118	1.15911	0.84743	1.65655	-0.53830
0.992 - 1.127	1.07279	1.11408	0.99511	1.06715	1.56639	0.01250
0.857 - 0.992	0.91461	0.92472	0.87504	0.76064	1.63777	-0.24068
0.722 - 0.857	0.74998	0.84824	0.72386	0.80013	1.46404	-1.29040

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.588 - 0.722	0.66557	0.70528	0.59021	0.63303	1.92987	-1.29040
0.453 - 0.588	0.50973	0.58328	0.47986	0.49547	1.44384	-0.45852
0.318 - 0.453	0.36618	0.40910	0.33153	0.20677	1.53621	-1.29040
0.183 - 0.318	0.24100	0.28350	0.19487	0.43611	1.44384	-1.29040
0.049 - 0.183	0.11802	0.15784	0.05993	0.11261	1.49143	-1.29040
-0.086 - 0.049	-0.00938	0.04854	-0.06871	0.04390	1.86701	-1.29040
-0.221 - -0.086	-0.14432	-0.09551	-0.19365	-0.01204	1.84202	-1.29040
-0.356 - -0.221	-0.23519	-0.22688	-0.26261	-0.20053	1.52157	-1.29040
-0.491 - -0.356	-0.40558	-0.36167	-0.44194	-0.60948	1.46801	-1.29040
-0.625 - -0.491	-0.55750	-0.49986	-0.60678	-0.73791	0.93917	-1.29040
-0.760 - -0.625	-0.70516	-0.65117	-0.75748	-0.49236	1.55764	-1.29040
-0.895 - -0.760	-0.86712	-0.86712	-0.86712	-0.71902	-0.40813	-1.29040
-1.030 - -0.895	-0.91196	-0.91196	-0.91196	0.88977	0.88977	0.88977
-1.164 - -1.030	-1.14110	-1.06845	-1.16437	-1.29040	-1.29040	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	^\_fold\_=1)	341
2	^\_fold\_=2)	348
3	^\_fold\_=3)	344
4	^\_fold\_=4)	342
5	^\_fold\_=5)	353
6	^\_fold\_=6)	338
7	^\_fold\_=7)	349
8	^\_fold\_=8)	336

## SAS Enterprise Miner Report

### Node=HP Neural two layers Summary

Node id = HPNNA4  
 Node label = HP Neural two layers  
 Meta path = Ids => Trans => Grp5 => HPNNA4  
 Notes =

### Node=HP Neural two layers Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	HPDMNeural		MAXITER	1000	300	TargetActivation	IDENTITY	
ARCHITECTURE	LAYER2	LAYER1	MAXLINKS	1000		TargetError	NORMAL	
DIRECTCONN	N		MISSASLVL	N		TargetStd	NONE	RANGE
HIDDEN	7	3	NUMTRIES	2		ToolType	MODEL	
HIDDENLAYERS	3		OPTMETHOD	LBFGS		USEINVERSE	N	
InputStd	RANGE		TableEditor			USEVALID	N	

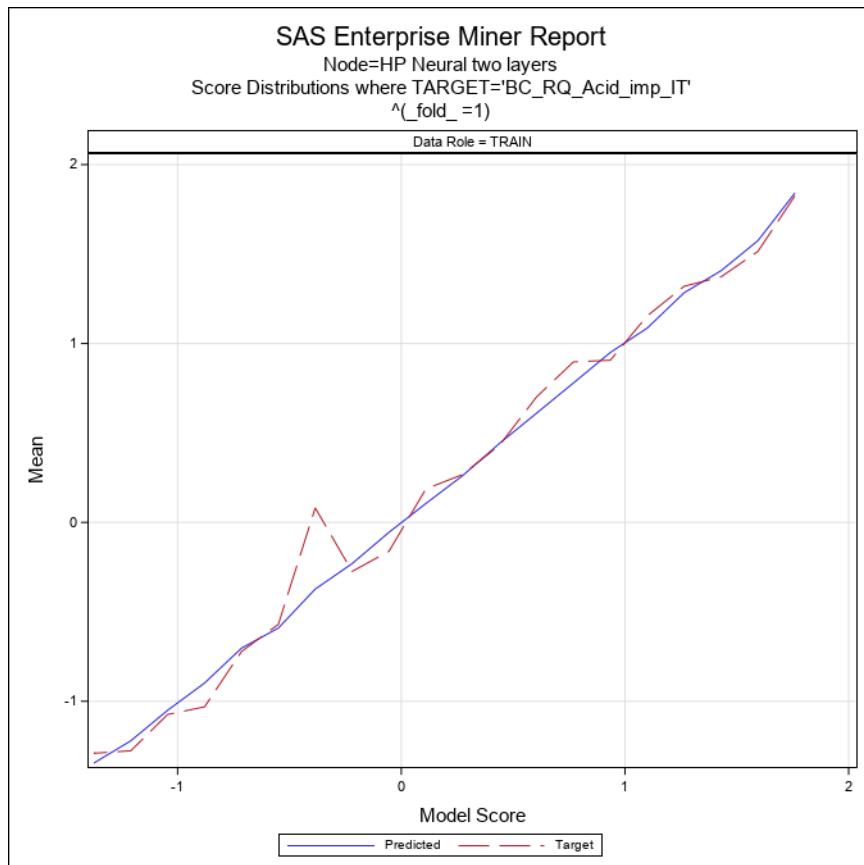
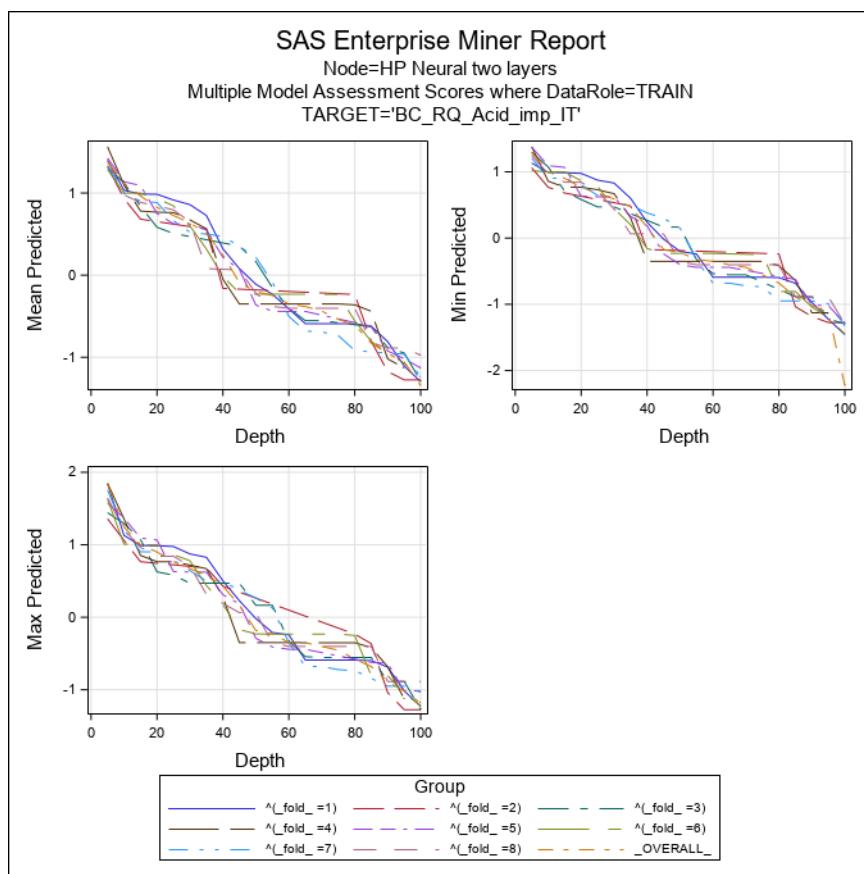
### Node=HP Neural two layers Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

### Node=HP Neural two layers Created Variables Summary

Role	Level	Frequency Count	Name
RESIDUAL	INTERVAL	1	R_BC_RQ_Acid_imp_IT
PREDICT	INTERVAL	1	P_BC_RQ_Acid_imp_IT
INPUT	INTERVAL	1	_XVAL_
ASSESS	NOMINAL	1	_WARN_

Group Index	Group	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	^(fold_=1)	BC_RQ_Acid_imp_IT	0.32695	342	2.24767	342	0.57180	111.818	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	BC_RQ_Acid_imp_IT	0.47586	346	1.94298	346	0.68983	164.648	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	BC_RQ_Acid_imp_IT	0.46381	351	2.21145	351	0.68104	162.799	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	BC_RQ_Acid_imp_IT	0.41325	336	2.12172	336	0.64284	138.851	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	BC_RQ_Acid_imp_IT	0.45011	352	2.28415	352	0.67090	158.437	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	BC_RQ_Acid_imp_IT	0.45152	358	2.07376	358	0.67196	161.646	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	BC_RQ_Acid_imp_IT	0.36393	336	2.19965	336	0.60326	122.280	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	BC_RQ_Acid_imp_IT	0.49908	336	2.17393	336	0.70646	167.691	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	0.55205	393	2.85312	393	0.74300	216.955	ReQuest (acid subscale) (Box-Cox transformed)

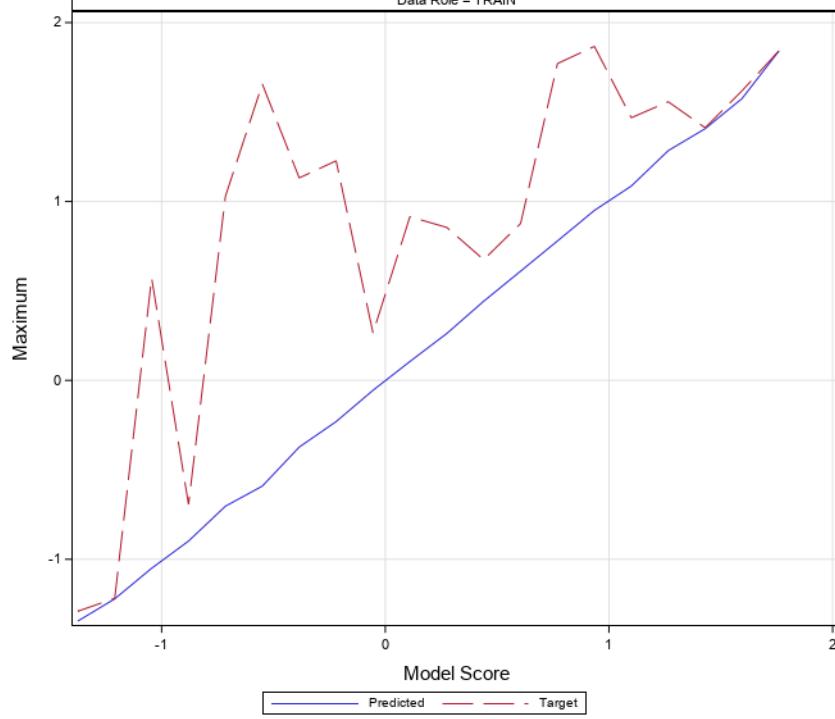


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=1)

Data Role = TRAIN

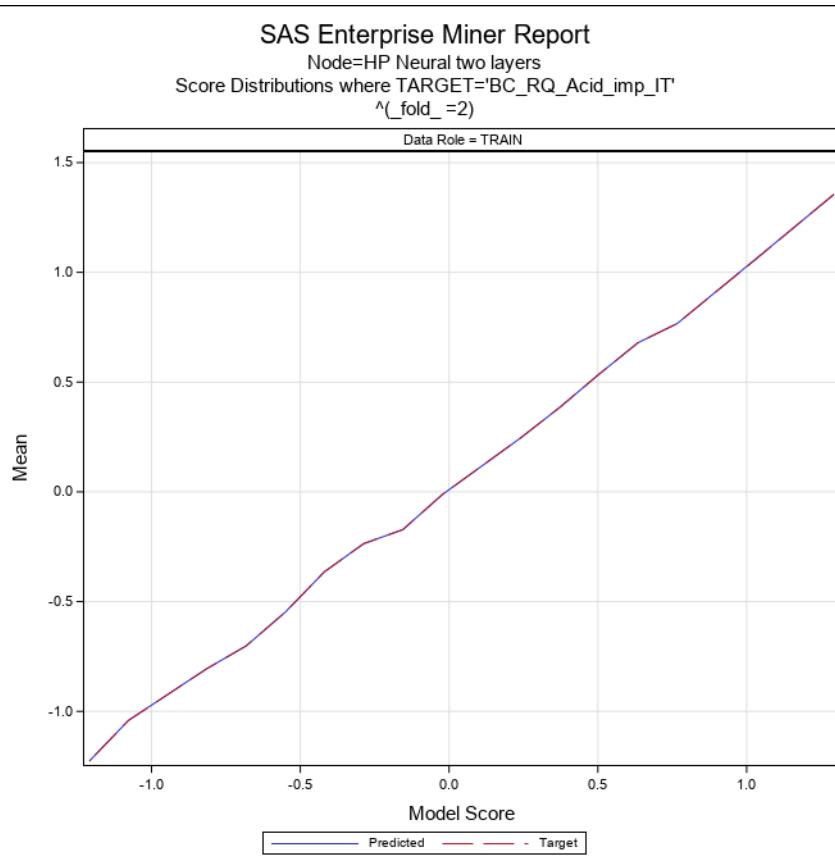


### SAS Enterprise Miner Report

Node=HP Neural two layers

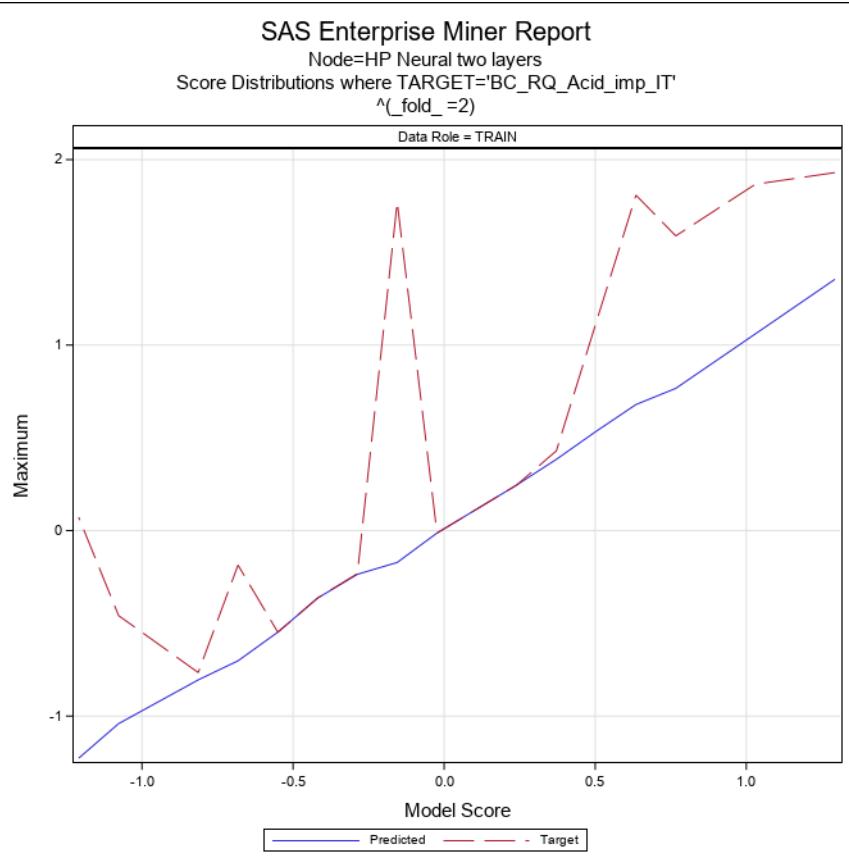
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN



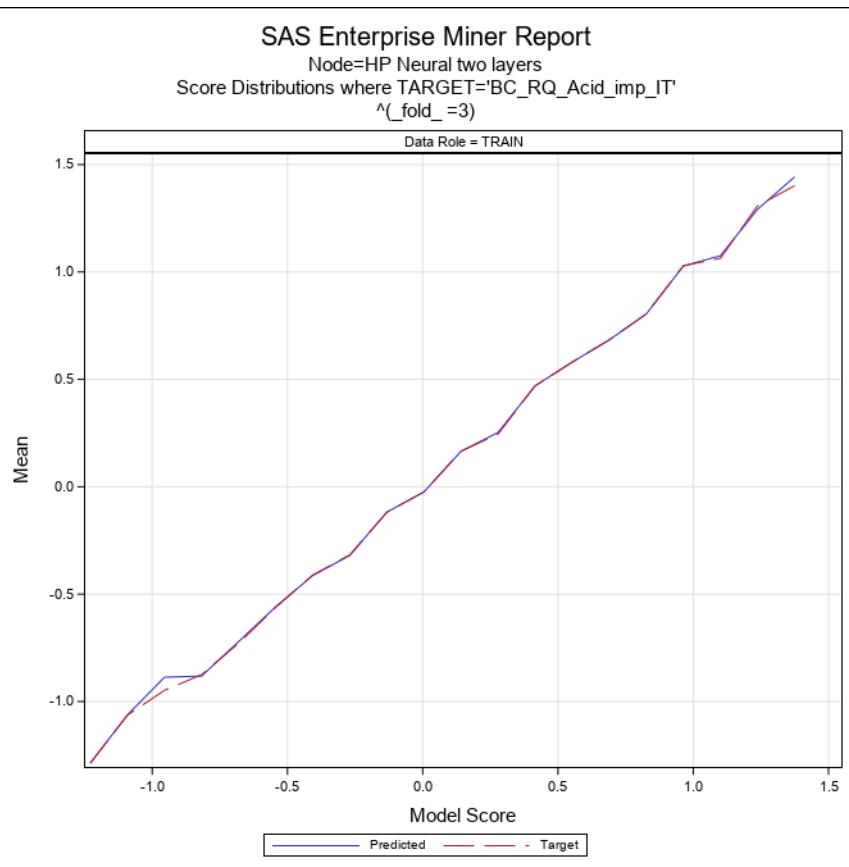
### SAS Enterprise Miner Report

Node=HP Neural two layers  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold\_} = 2)$



### SAS Enterprise Miner Report

Node=HP Neural two layers  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold\_} = 3)$

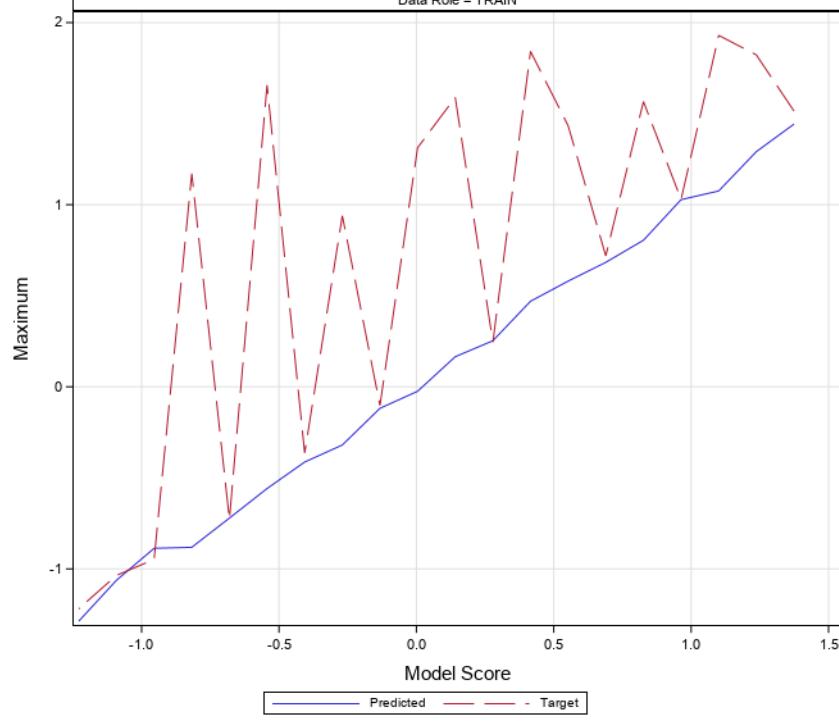


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

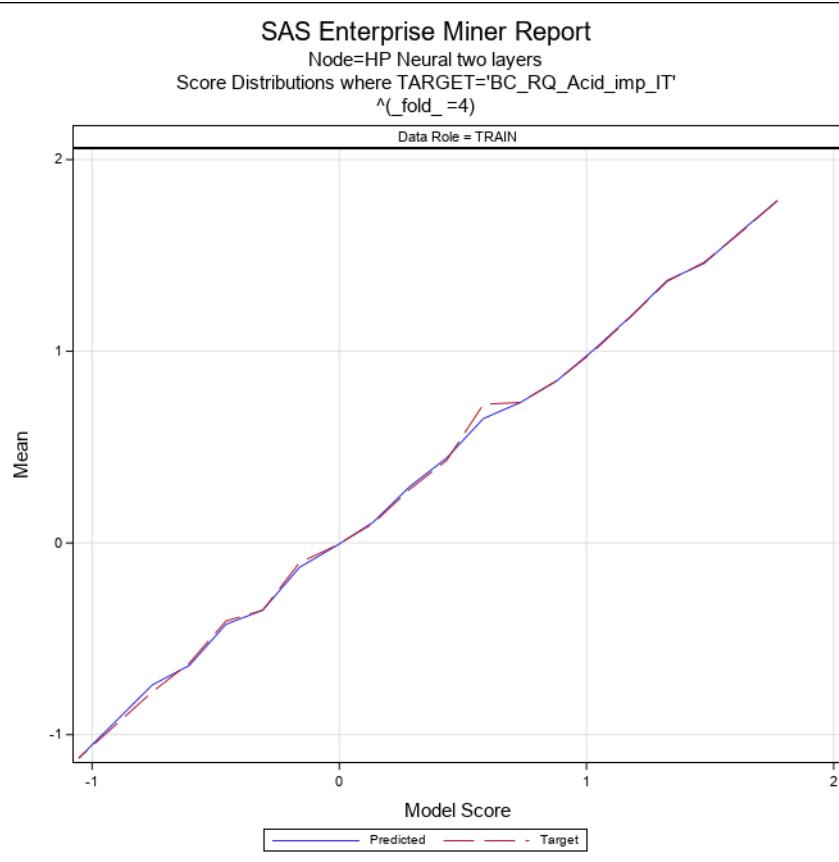


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

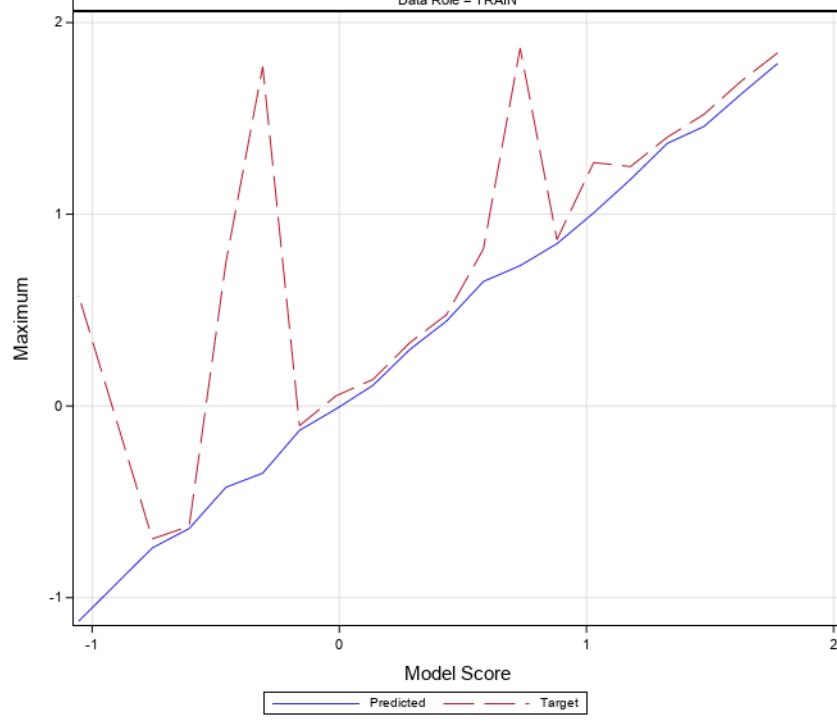


**SAS Enterprise Miner Report**

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

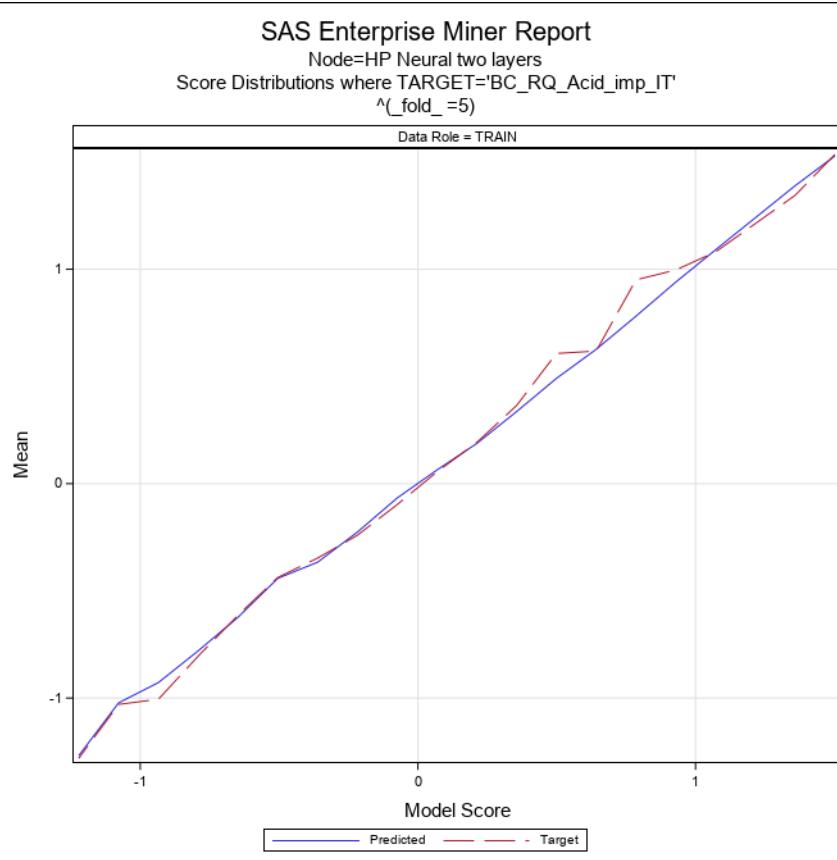
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

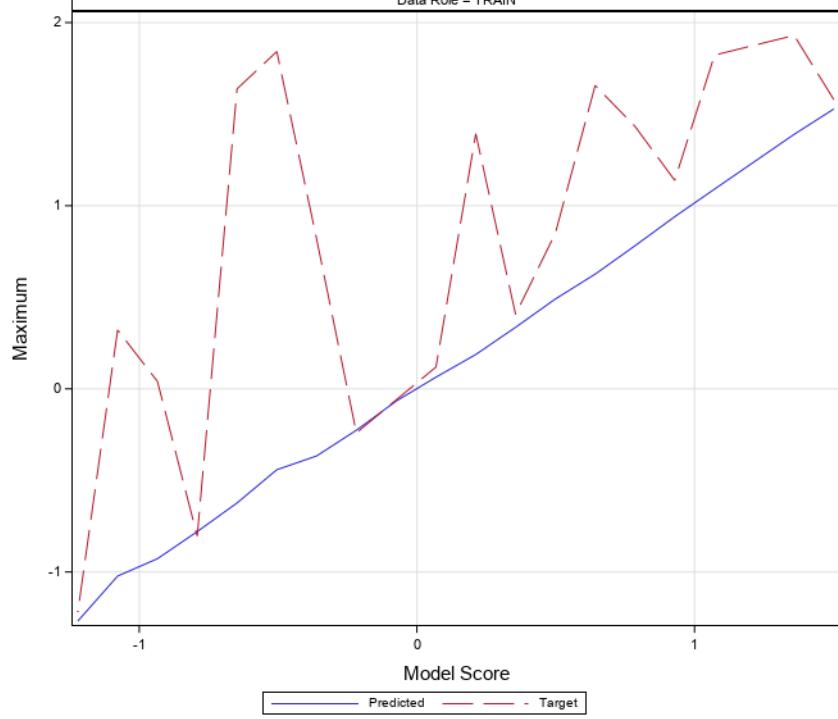


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

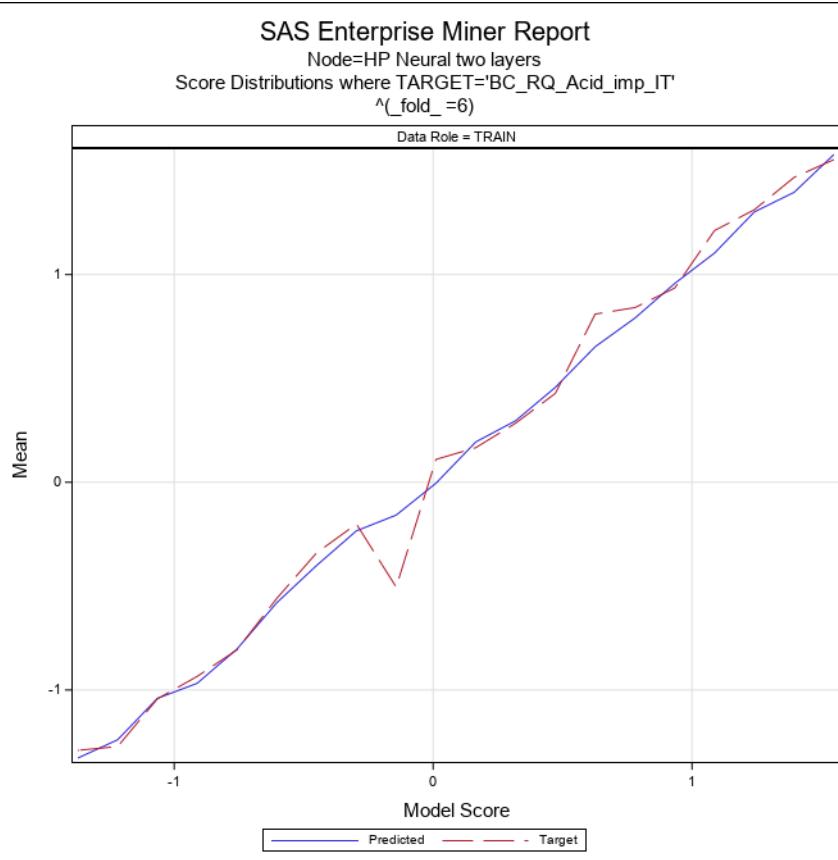


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

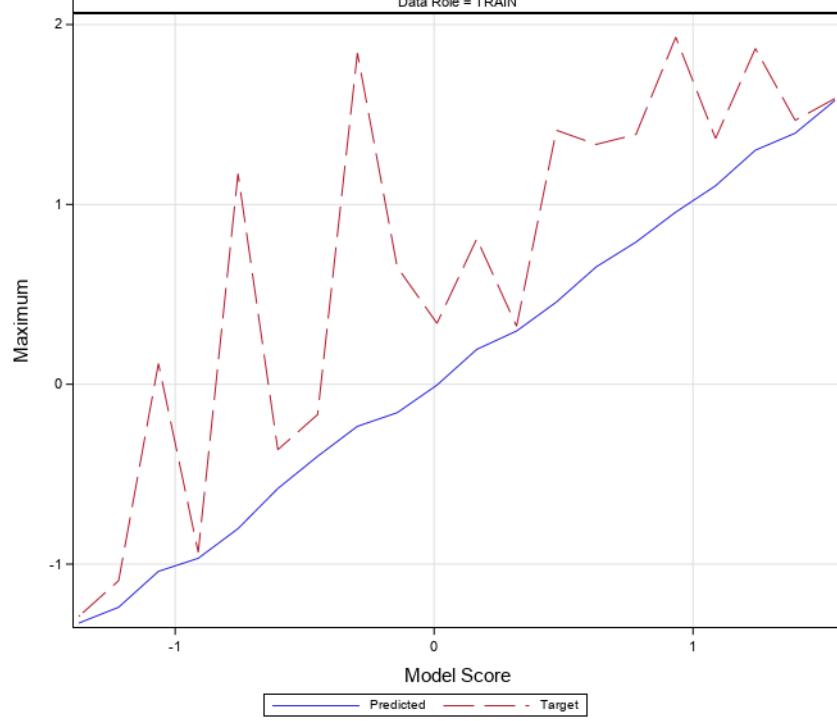


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

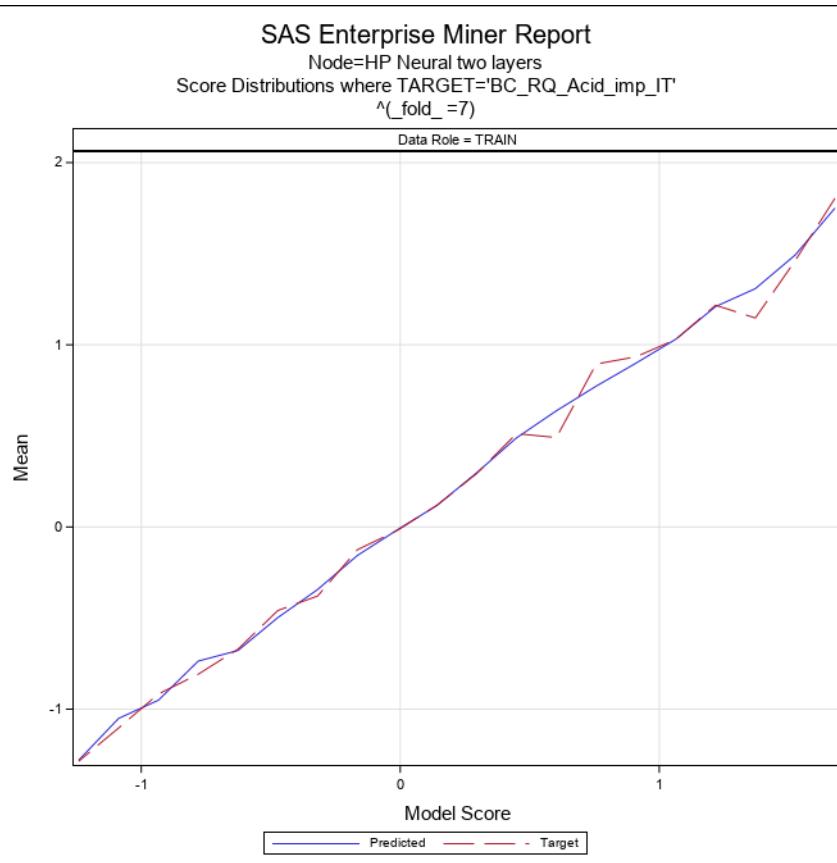


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

Data Role = TRAIN

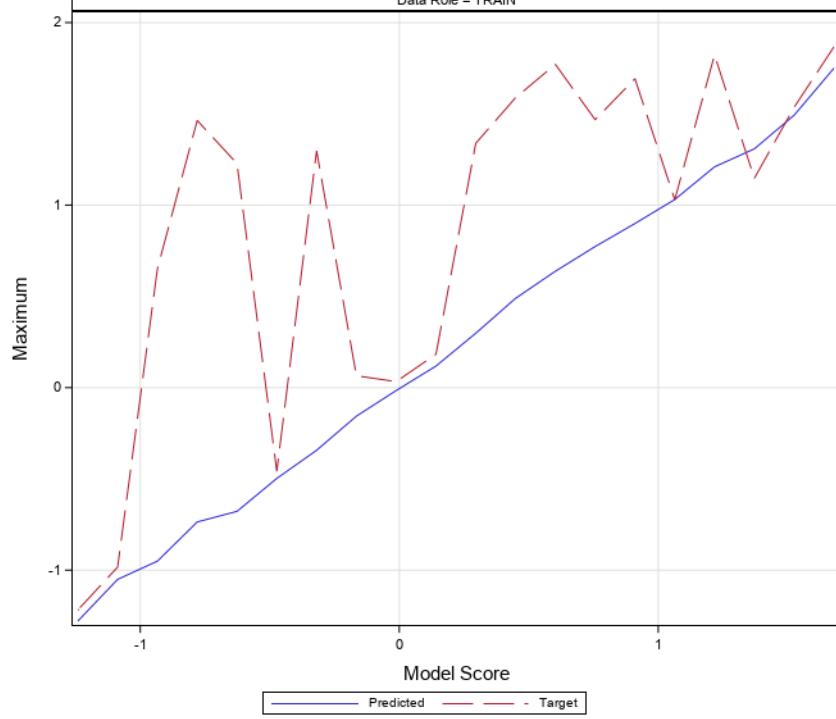


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

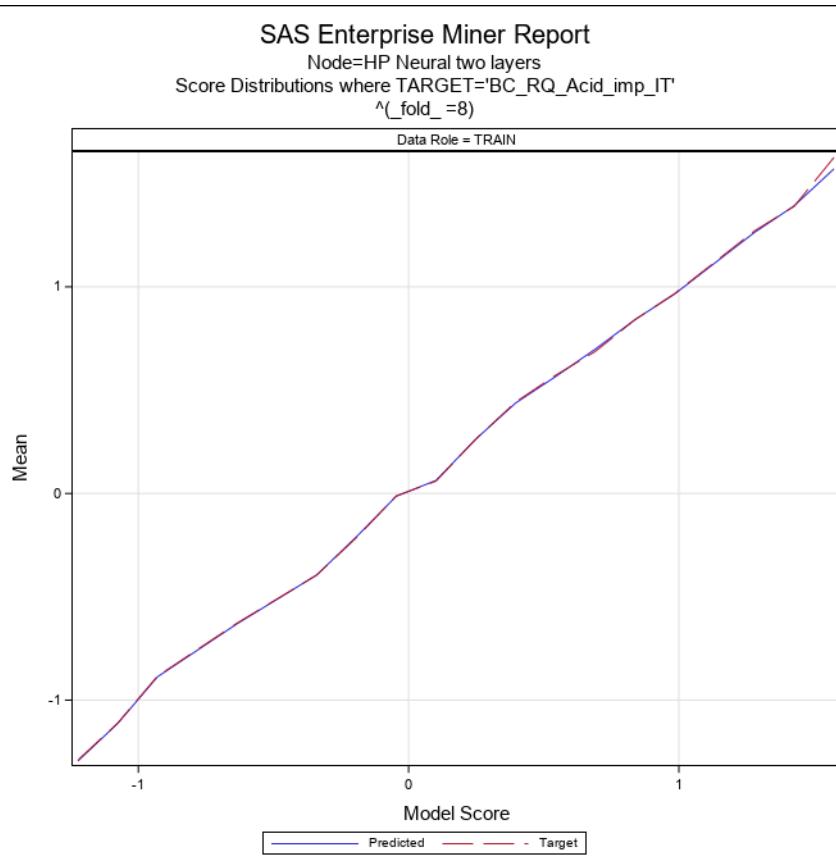


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

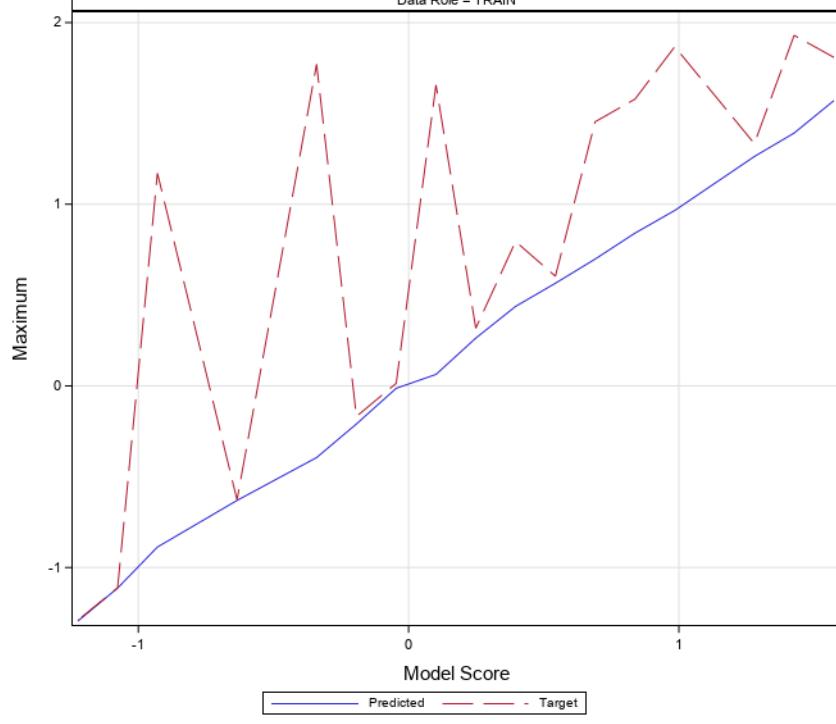


### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

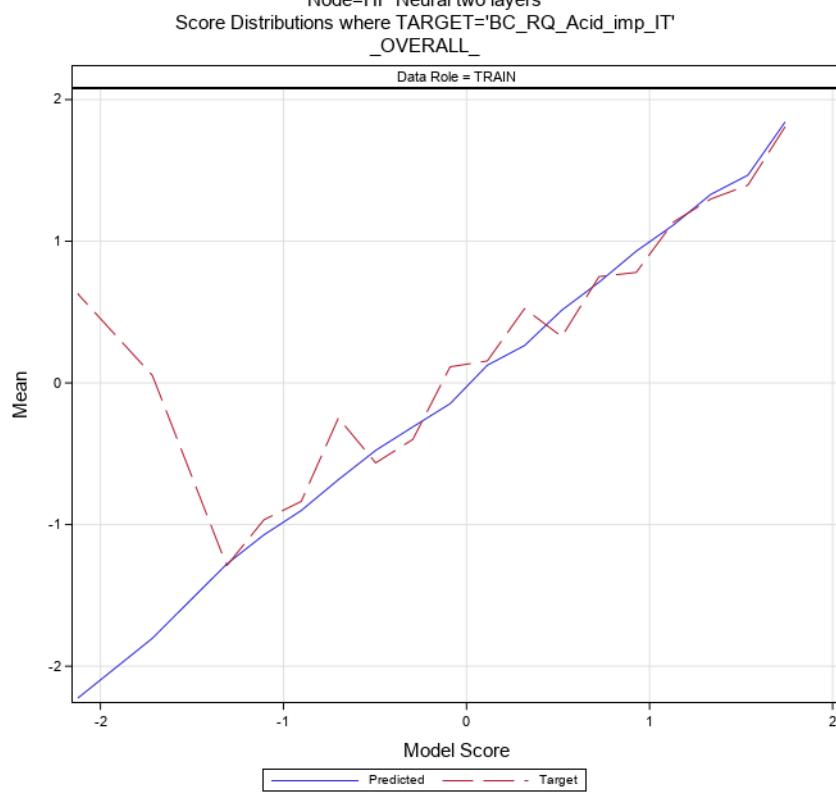


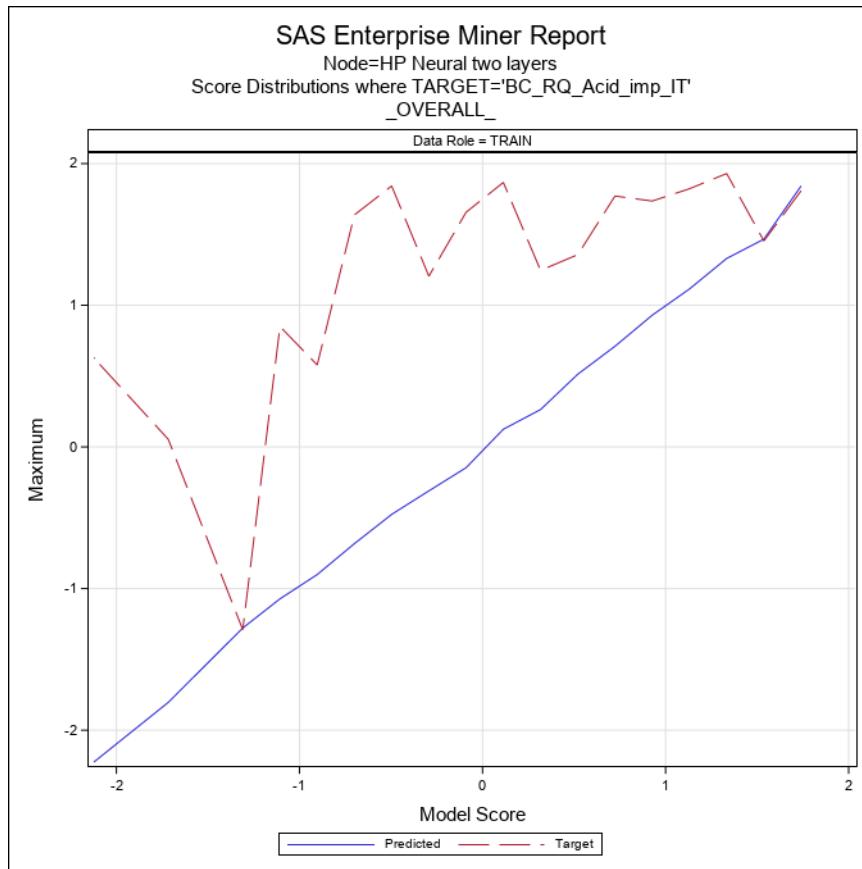
### SAS Enterprise Miner Report

Node=HP Neural two layers

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### **Node=HP Neural two layers**

#### **Score Distributions**

Group= $\wedge(\text{fold\_}=1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.677 - 1.842	1.84105	1.84208	1.84003	1.82520	1.84202	1.80838
1.512 - 1.677	1.57511	1.62799	1.52879	1.51528	1.61852	1.33863
1.347 - 1.512	1.40681	1.49073	1.36156	1.37246	1.41251	1.33863
1.182 - 1.347	1.28402	1.33949	1.21158	1.32000	1.55764	1.08384
1.017 - 1.182	1.08631	1.13323	1.01911	1.15478	1.46801	0.65182
0.852 - 1.017	0.95004	1.01710	0.85330	0.90657	1.86701	-1.29040
0.687 - 0.852	0.77955	0.84646	0.71074	0.89716	1.77106	-0.53830
0.522 - 0.687	0.61057	0.62068	0.59988	0.70148	0.87690	0.57848
0.358 - 0.522	0.44246	0.50314	0.37577	0.43267	0.67477	0.31751
0.193 - 0.358	0.26224	0.31076	0.19823	0.26809	0.85495	-0.30409
0.028 - 0.193	0.10567	0.18406	0.02836	0.18702	0.91488	0.04068
-0.137 - 0.028	-0.05533	0.00762	-0.13257	-0.16087	0.26501	-1.29040
-0.302 - -0.137	-0.23039	-0.16070	-0.29836	-0.27414	1.22737	-1.29040
-0.467 - -0.302	-0.37288	-0.32442	-0.45462	0.08088	1.13168	-0.45852
-0.632 - -0.467	-0.59084	-0.48285	-0.63176	-0.56975	1.65655	-1.29040
-0.797 - -0.632	-0.70329	-0.64696	-0.76258	-0.72245	1.02925	-1.29040
-0.962 - -0.797	-0.89823	-0.82350	-0.96182	-1.03120	-0.69337	-1.29040
-1.127 - -0.962	-1.05026	-0.97216	-1.10719	-1.07367	0.57270	-1.29040
-1.292 - -1.127	-1.22123	-1.13615	-1.27823	-1.27687	-1.21823	-1.29040
-1.457 - -1.292	-1.34542	-1.29359	-1.45696	-1.29040	-1.29040	-1.29040

### **Node=HP Neural two layers**

#### **Score Distributions**

Group=\_fold\_ =2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.227 - 1.359	1.35466	1.35914	1.28745	1.35627	1.92987	0.16562
0.964 - 1.096	1.06036	1.08387	1.03365	1.05845	1.86701	-0.16851
0.701 - 0.832	0.76667	0.76667	0.76664	0.76682	1.58869	-0.01183
0.569 - 0.701	0.67944	0.68059	0.60129	0.67946	1.80838	-0.93451
0.437 - 0.569	0.53522	0.54049	0.48491	0.53519	1.12236	-0.02953
0.306 - 0.437	0.38419	0.42930	0.33908	0.38452	0.43009	0.33895
0.174 - 0.306	0.24508	0.24508	0.24508	0.24534	0.24534	0.24534
-0.089 - 0.042	-0.01333	-0.01333	-0.01333	-0.01343	-0.01343	-0.01343
-0.221 - -0.089	-0.17192	-0.17192	-0.17192	-0.17200	1.77106	-1.29040
-0.353 - -0.221	-0.23575	-0.23186	-0.23965	-0.23630	-0.23192	-0.24068
-0.485 - -0.353	-0.36398	-0.36398	-0.36398	-0.36374	-0.36374	-0.36374
-0.616 - -0.485	-0.54775	-0.54775	-0.54775	-0.54790	-0.54790	-0.54790
-0.748 - -0.616	-0.70207	-0.69089	-0.72845	-0.70169	-0.18592	-1.21823
-0.880 - -0.748	-0.80494	-0.76591	-0.84397	-0.80543	-0.76554	-0.84532
-1.143 - -1.011	-1.04071	-1.03700	-1.06817	-1.04110	-0.45852	-1.29040
-1.275 - -1.143	-1.22649	-1.18248	-1.27475	-1.22629	0.06961	-1.29040

**Node=HP Neural two layers****Score Distributions**Group=\_fold\_ =3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.306 - 1.443	1.44264	1.44277	1.44251	1.40141	1.51415	1.23607
1.169 - 1.306	1.29133	1.30402	1.24669	1.30755	1.82242	0.16562
1.032 - 1.169	1.07553	1.11355	1.06950	1.06367	1.92987	0.33895
0.895 - 1.032	1.02757	1.02757	1.02757	1.02925	1.02925	1.02925
0.758 - 0.895	0.80463	0.80464	0.80461	0.80444	1.56639	-0.69337
0.621 - 0.758	0.68346	0.71700	0.62672	0.68446	0.71868	0.61604
0.484 - 0.621	0.58024	0.58312	0.56742	0.57989	1.43354	-1.07430
0.347 - 0.484	0.46975	0.47022	0.46958	0.46973	1.84202	-1.29040
0.210 - 0.347	0.25276	0.25276	0.25276	0.24534	0.24534	0.24534
0.073 - 0.210	0.16511	0.17763	0.16365	0.16535	1.58869	-1.29040
-0.064 - 0.073	-0.02460	0.03122	-0.05945	-0.02392	1.31292	-0.98338
-0.201 - -0.064	-0.11822	-0.10532	-0.13112	-0.11874	-0.10262	-0.13485
-0.338 - -0.201	-0.31972	-0.24838	-0.32413	-0.31736	0.93917	-1.29040
-0.475 - -0.338	-0.41322	-0.35487	-0.47156	-0.41113	-0.36374	-0.45852
-0.612 - -0.475	-0.55890	-0.53768	-0.60325	-0.56159	1.65655	-1.29040
-0.749 - -0.612	-0.72112	-0.72112	-0.72112	-0.72860	-0.72860	-0.72860
-0.886 - -0.749	-0.88152	-0.76390	-0.88540	-0.87501	1.17083	-1.29040
-1.023 - -0.886	-0.88700	-0.88700	-0.88700	-0.94788	-0.94788	-0.94788
-1.160 - -1.023	-1.06251	-1.03535	-1.08968	-1.06368	-1.03562	-1.09174
-1.297 - -1.160	-1.28665	-1.21835	-1.29693	-1.28639	-1.21823	-1.29040

**Node=HP Neural two layers****Score Distributions**Group=\_fold\_ =4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.699 - 1.848	1.78659	1.84752	1.72014	1.78632	1.84202	1.72308
1.550 - 1.699	1.62526	1.69420	1.55633	1.62077	1.69276	1.54878
1.401 - 1.550	1.45823	1.50623	1.41243	1.46385	1.52157	1.43146
1.252 - 1.401	1.36971	1.39993	1.31892	1.36489	1.40177	1.31292
1.104 - 1.252	1.18179	1.24298	1.10375	1.17882	1.24885	1.08384
0.955 - 1.104	1.00731	1.09829	0.95520	1.00056	1.26974	0.57848

Group=^(\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.806 - 0.955	0.84646	0.85799	0.83724	0.84730	0.86781	0.82950
0.657 - 0.806	0.73210	0.77138	0.66737	0.73297	1.86701	-1.29040
0.508 - 0.657	0.64913	0.64931	0.64895	0.72330	0.81845	0.62815
0.360 - 0.508	0.44317	0.49095	0.36673	0.43044	0.47661	0.36155
0.211 - 0.360	0.29447	0.32909	0.24015	0.28066	0.33009	0.24534
0.062 - 0.211	0.10791	0.15862	0.07201	0.10152	0.13852	0.06480
-0.087 - 0.062	-0.01497	0.05194	-0.08135	-0.01295	0.05362	-0.07171
-0.235 - -0.087	-0.12728	-0.12728	-0.12728	-0.10262	-0.10262	-0.10262
-0.384 - -0.235	-0.35048	-0.31845	-0.35458	-0.35128	1.77106	-1.29040
-0.533 - -0.384	-0.42412	-0.38730	-0.50967	-0.40706	0.75001	-0.98338
-0.682 - -0.533	-0.63947	-0.63947	-0.63947	-0.62748	-0.62748	-0.62748
-0.831 - -0.682	-0.74003	-0.68321	-0.82094	-0.77635	-0.69337	-0.88095
-1.128 - -0.979	-1.12212	-0.99101	-1.12816	-1.12175	0.57270	-1.29040

## Node=HP Neural two layers

### Score Distributions

Group=^(\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.430 - 1.574	1.52863	1.57381	1.49493	1.53543	1.57848	1.49143
1.287 - 1.430	1.38980	1.39792	1.35073	1.34504	1.92987	0.16562
1.000 - 1.144	1.09082	1.09313	1.06630	1.08104	1.82242	-0.24068
0.857 - 1.000	0.94011	0.99912	0.88110	0.99663	1.13831	0.85495
0.714 - 0.857	0.78114	0.82221	0.73815	0.95064	1.43354	0.79170
0.570 - 0.714	0.62652	0.71355	0.58046	0.61864	1.65655	-1.29040
0.427 - 0.570	0.49078	0.55537	0.43239	0.60718	0.84998	0.45315
0.284 - 0.427	0.33602	0.39404	0.29732	0.36440	0.40641	0.32306
0.140 - 0.284	0.18751	0.26709	0.14343	0.19216	1.39306	-1.21823
-0.003 - 0.140	0.06377	0.10466	0.02228	0.05495	0.11898	-0.01183
-0.146 - -0.003	-0.06684	-0.06538	-0.06829	-0.09753	-0.06021	-0.13485
-0.290 - -0.146	-0.22594	-0.21398	-0.23790	-0.24068	-0.24068	-0.24068
-0.433 - -0.290	-0.36640	-0.29091	-0.40997	-0.34708	0.81845	-1.29040
-0.576 - -0.433	-0.44181	-0.43316	-0.44213	-0.43769	1.84202	-1.29040
-0.720 - -0.576	-0.62321	-0.62208	-0.63388	-0.61376	1.63777	-1.29040
-0.863 - -0.720	-0.77967	-0.77967	-0.77967	-0.80438	-0.80438	-0.80438
-1.006 - -0.863	-0.92771	-0.89277	-1.00588	-1.00559	0.04068	-1.29040
-1.150 - -1.006	-1.02246	-1.01672	-1.09538	-1.02988	0.32113	-1.29040
-1.293 - -1.150	-1.26821	-1.22232	-1.29284	-1.28009	-1.21823	-1.29040

## Node=HP Neural two layers

### Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.471 - 1.625	1.57819	1.62495	1.48787	1.55349	1.58869	1.51415
1.318 - 1.471	1.39609	1.39609	1.39609	1.46801	1.46801	1.46801
1.164 - 1.318	1.30155	1.31102	1.26387	1.31219	1.86701	0.65182
1.010 - 1.164	1.10371	1.13160	1.01829	1.21195	1.36680	1.02925
0.856 - 1.010	0.95739	1.00882	0.85865	0.93537	1.92987	-0.93451
0.703 - 0.856	0.79069	0.84158	0.71855	0.84110	1.38921	0.04068
0.549 - 0.703	0.65256	0.69005	0.62297	0.80976	1.33391	0.26501
0.395 - 0.549	0.45709	0.50810	0.41206	0.42803	1.41251	-0.84532
0.242 - 0.395	0.29622	0.34929	0.24315	0.28420	0.32306	0.24534
0.088 - 0.242	0.19411	0.21505	0.14246	0.16666	0.80905	-1.21823

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.066 - 0.088	-0.00442	0.05300	-0.05078	0.11017	0.33895	-0.12797
-0.219 - -0.066	-0.15797	-0.07350	-0.21903	-0.50462	0.65182	-1.29040
-0.373 - -0.219	-0.23379	-0.22573	-0.36792	-0.20119	1.84202	-1.29040
-0.527 - -0.373	-0.40048	-0.37946	-0.43770	-0.33969	-0.16851	-0.45852
-0.681 - -0.527	-0.57976	-0.53950	-0.65650	-0.55883	-0.36374	-0.71673
-0.834 - -0.681	-0.80253	-0.74122	-0.80721	-0.80674	1.17083	-1.29040
-0.988 - -0.834	-0.96769	-0.96769	-0.96769	-0.93451	-0.93451	-0.93451
-1.142 - -0.988	-1.04015	-1.00013	-1.07963	-1.04241	0.11522	-1.29040
-1.295 - -1.142	-1.23961	-1.18456	-1.29454	-1.27234	-1.09174	-1.29040
-1.449 - -1.295	-1.32779	-1.29930	-1.44905	-1.29040	-1.29040	-1.29040

**Node=HP Neural two layers****Score Distributions**

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.601 - 1.755	1.75006	1.75514	1.74041	1.80370	1.86701	1.73571
1.448 - 1.601	1.49254	1.51625	1.47669	1.46142	1.53621	1.33391
1.294 - 1.448	1.30816	1.30816	1.30816	1.14698	1.14698	1.14698
1.141 - 1.294	1.20984	1.24380	1.15109	1.21731	1.82242	0.40630
0.987 - 1.141	1.03051	1.03051	1.03051	1.02925	1.02925	1.02925
0.833 - 0.987	0.89914	0.90327	0.85004	0.93401	1.69276	-0.53830
0.680 - 0.833	0.77295	0.83176	0.69319	0.89433	1.46801	0.68341
0.526 - 0.680	0.63775	0.65547	0.56589	0.49086	1.77106	-1.29040
0.372 - 0.526	0.48933	0.49923	0.37975	0.51249	1.58869	-1.29040
0.219 - 0.372	0.29806	0.37143	0.22147	0.29380	1.33863	-1.21823
0.065 - 0.219	0.11819	0.17223	0.06713	0.11966	0.18307	0.06635
-0.089 - 0.065	-0.01598	0.04382	-0.07579	-0.01926	0.03319	-0.07171
-0.242 - -0.089	-0.15640	-0.09674	-0.21635	-0.12487	0.06480	-0.18592
-0.396 - -0.242	-0.34331	-0.24583	-0.36081	-0.37898	1.29756	-1.29040
-0.550 - -0.396	-0.49739	-0.45833	-0.53644	-0.45852	-0.45852	-0.45852
-0.703 - -0.550	-0.67792	-0.59761	-0.69293	-0.67033	1.22737	-1.29040
-0.857 - -0.703	-0.73601	-0.70574	-0.83395	-0.80804	1.46404	-1.29040
-1.011 - -0.857	-0.95065	-0.94532	-0.99153	-0.91649	0.65182	-1.29040
-1.164 - -1.011	-1.05063	-1.03310	-1.08537	-1.10313	-0.98338	-1.29040
-1.318 - -1.164	-1.27912	-1.16640	-1.31786	-1.28485	-1.21823	-1.29040

**Node=HP Neural two layers****Score Distributions**

Group=^(\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.500 - 1.647	1.57079	1.64742	1.50387	1.62588	1.80838	1.50288
1.353 - 1.500	1.39186	1.49623	1.36840	1.38928	1.92987	0.55237
1.206 - 1.353	1.26263	1.32943	1.20686	1.27004	1.33391	1.22737
0.911 - 1.058	0.96571	0.96574	0.96569	0.96733	1.86701	-0.16851
0.764 - 0.911	0.84084	0.85315	0.82492	0.84093	1.57848	-0.93451
0.617 - 0.764	0.69813	0.70509	0.62418	0.68681	1.45401	0.00046
0.469 - 0.617	0.56489	0.60631	0.52346	0.57135	0.60373	0.53897
0.322 - 0.469	0.43750	0.43766	0.43733	0.44201	0.79471	0.08931
0.175 - 0.322	0.26290	0.31718	0.22625	0.26267	0.31751	0.22515
0.028 - 0.175	0.06295	0.06348	0.04132	0.05986	1.65655	-1.29040
-0.120 - 0.028	-0.01347	0.02723	-0.06813	-0.01217	0.01410	-0.06021
-0.267 - -0.120	-0.20991	-0.16531	-0.24422	-0.21370	-0.16851	-0.24068

Group=^(\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.414 - -0.267	-0.39470	-0.30941	-0.40291	-0.39511	1.77106	-1.29040
-0.709 - -0.561	-0.63071	-0.63071	-0.63071	-0.62748	-0.62748	-0.62748
-1.003 - -0.856	-0.88742	-0.88501	-0.88759	-0.88449	1.17083	-1.29040
-1.150 - -1.003	-1.11309	-1.11309	-1.11309	-1.11166	-1.11166	-1.11166
-1.298 - -1.150	-1.29494	-1.29236	-1.29752	-1.29040	-1.29040	-1.29040

## Node=HP Neural two layers

### Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.639 - 1.842	1.84208	1.84208	1.84208	1.80838	1.80838	1.80838
1.435 - 1.639	1.46662	1.49073	1.44251	1.39632	1.45401	1.33863
1.232 - 1.435	1.33034	1.41243	1.24258	1.29773	1.92987	0.40630
1.029 - 1.232	1.11485	1.21647	1.03051	1.13563	1.82242	0.35635
0.825 - 1.029	0.92977	1.00824	0.83176	0.77988	1.73571	-1.29040
0.622 - 0.825	0.71047	0.81483	0.62220	0.75040	1.77106	-1.29040
0.419 - 0.622	0.51316	0.62068	0.43030	0.32660	1.35721	-0.93451
0.215 - 0.419	0.26353	0.35479	0.22147	0.52429	1.24620	0.24534
0.012 - 0.215	0.12469	0.18551	0.03122	0.15502	1.86701	-1.29040
-0.191 - 0.012	-0.14683	-0.00765	-0.18331	0.11342	1.65655	-1.29040
-0.395 - -0.191	-0.31030	-0.21635	-0.37546	-0.39853	1.20526	-1.29040
-0.598 - -0.395	-0.47660	-0.40277	-0.59695	-0.56485	1.84202	-1.29040
-0.801 - -0.598	-0.68283	-0.60308	-0.73663	-0.24746	1.63777	-1.29040
-1.005 - -0.801	-0.90134	-0.80505	-0.99153	-0.83694	0.57848	-1.29040
-1.208 - -1.005	-1.07258	-1.01698	-1.18414	-0.96618	0.84998	-1.29040
-1.412 - -1.208	-1.27871	-1.22475	-1.31391	-1.29040	-1.29040	-1.29040
-1.818 - -1.615	-1.80352	-1.80352	-1.80352	0.05362	0.05362	0.05362
-2.225 - -2.022	-2.22496	-2.22496	-2.22496	0.62815	0.62815	0.62815

## Node=HP Neural two layers

### Summary

Group Index	Group	Frequency Count
1	^(_fold_=1)	339
2	^(_fold_=2)	356
3	^(_fold_=3)	346
4	^(_fold_=4)	344
5	^(_fold_=5)	340
6	^(_fold_=6)	333
7	^(_fold_=7)	348
8	^(_fold_=8)	345

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp5  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp5 => HPNNA4 => EndGrp5  
 Notes =

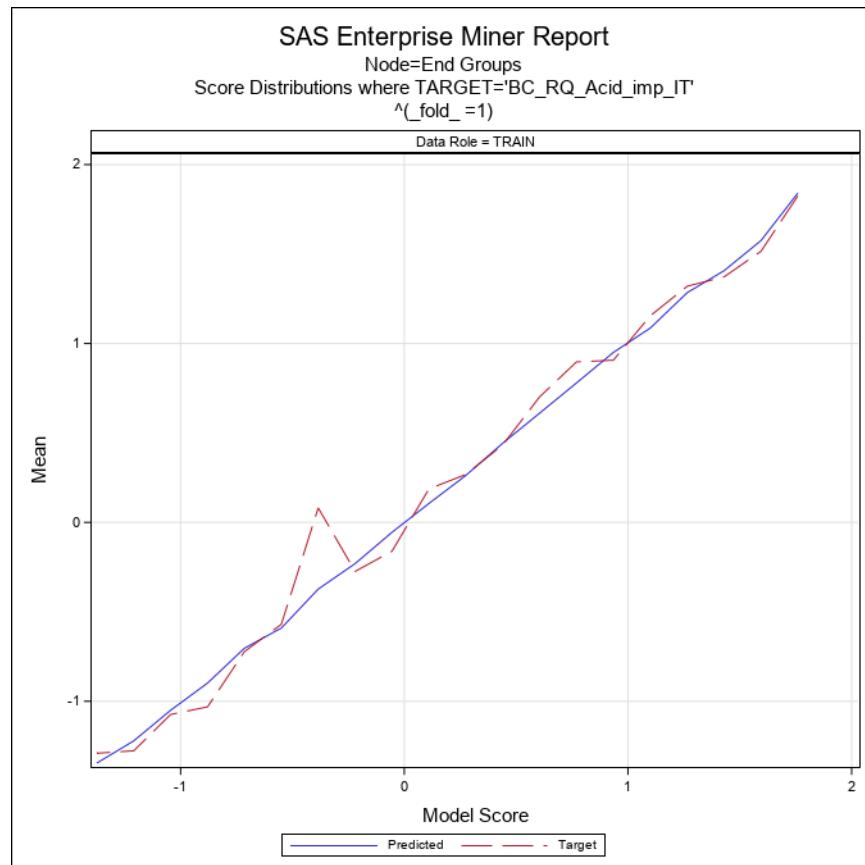
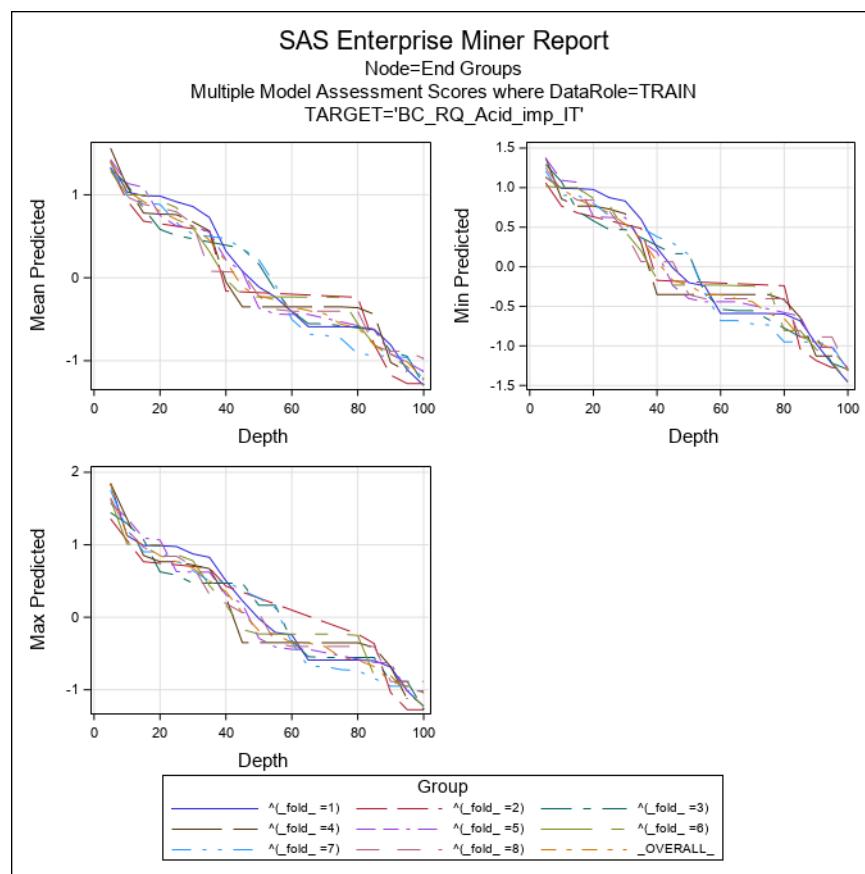
### Node=End Groups Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

### Node=End Groups Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAsTot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Average Squared Error	Train: Divisor for ASE	Train: Maximum Absolute Error	Train: Sum of Frequencies	Train: Root Average Squared Error	Train: Sum of Squared Errors	Target Label
1	^(fold_=1)	HPNNA4	BC_RQ_Acid_imp_IT	0.32695	342	2.24767	342	0.57180	111.818	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	HPNNA4	BC_RQ_Acid_imp_IT	0.47586	346	1.94298	346	0.68983	164.648	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	HPNNA4	BC_RQ_Acid_imp_IT	0.46381	351	2.21145	351	0.68104	162.799	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	HPNNA4	BC_RQ_Acid_imp_IT	0.41325	336	2.12172	336	0.64284	138.851	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	HPNNA4	BC_RQ_Acid_imp_IT	0.45011	352	2.28415	352	0.67090	158.437	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	HPNNA4	BC_RQ_Acid_imp_IT	0.45152	358	2.07376	358	0.67196	161.646	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	HPNNA4	BC_RQ_Acid_imp_IT	0.36393	336	2.19965	336	0.60326	122.280	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	HPNNA4	BC_RQ_Acid_imp_IT	0.49908	336	2.17393	336	0.70646	167.691	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	0.49211	393	2.32597	393	0.70150	193.398	ReQuest (acid subscale) (Box-Cox transformed)

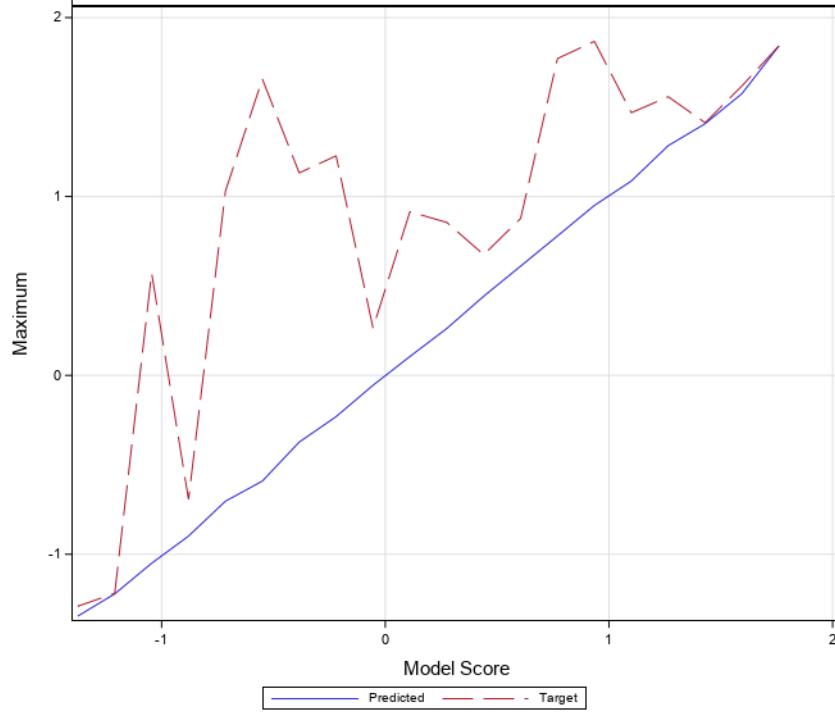


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=1)

Data Role = TRAIN

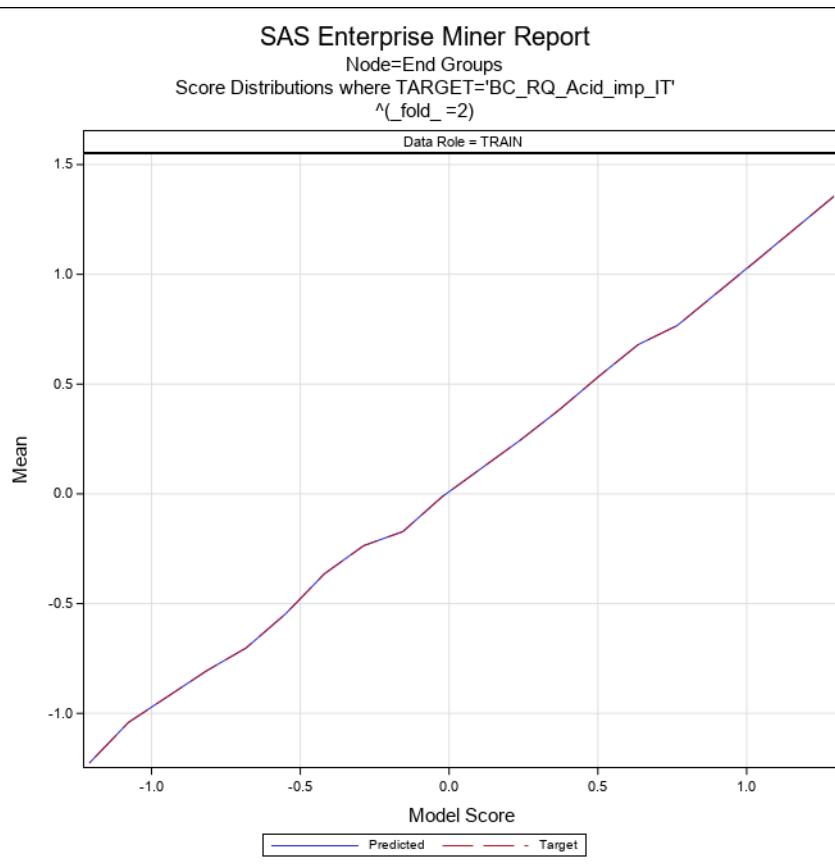


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

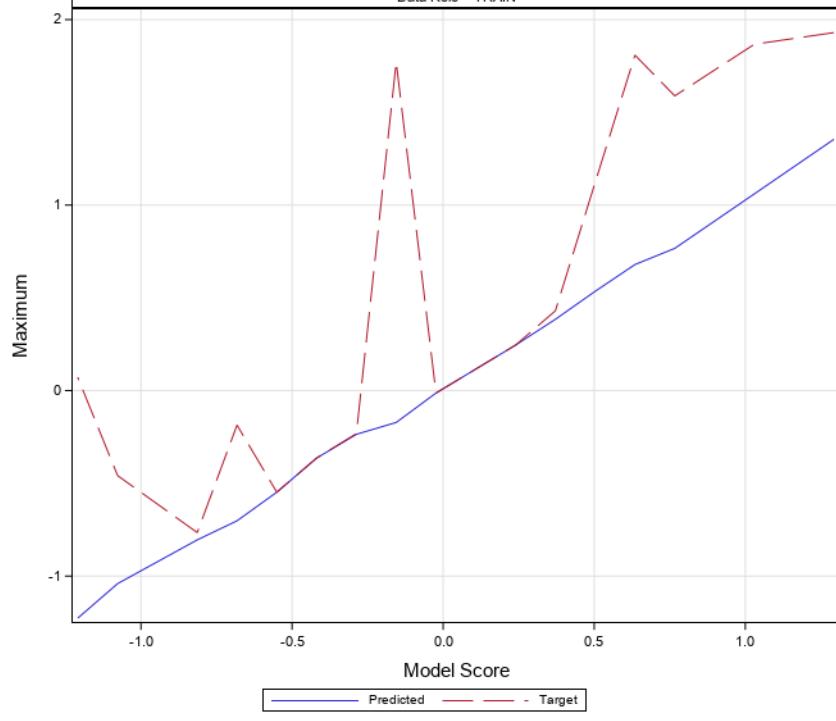


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

Data Role = TRAIN

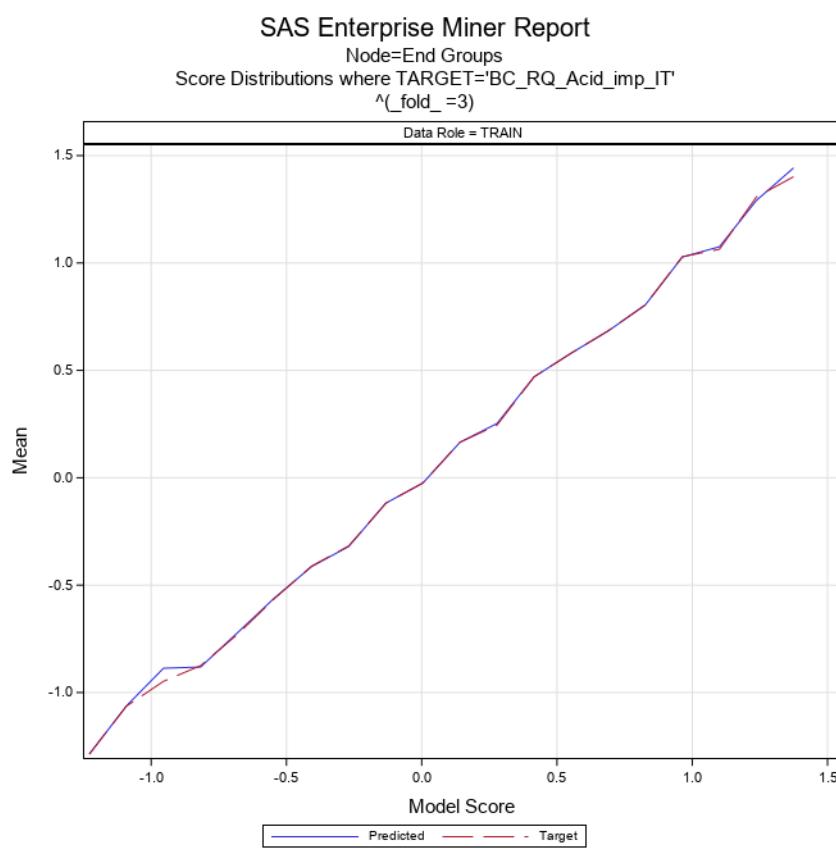


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

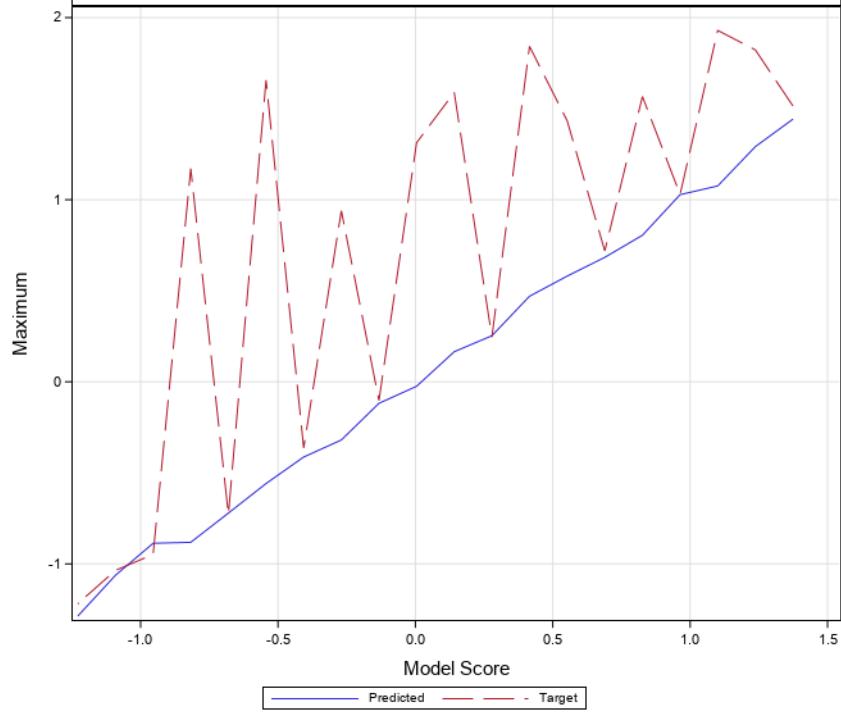


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

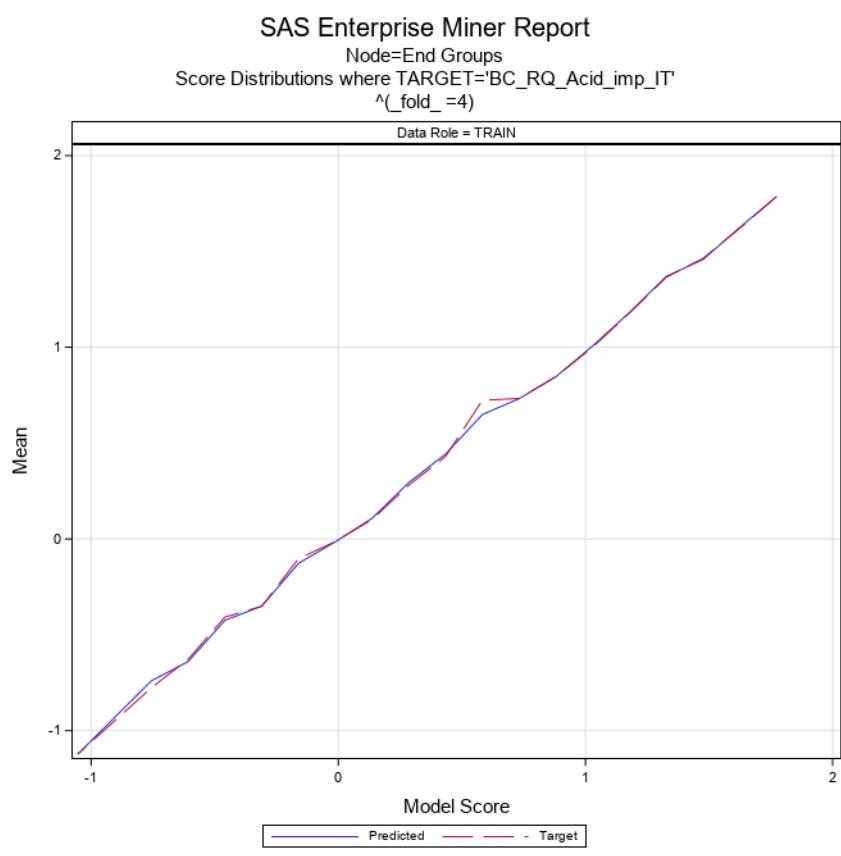
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

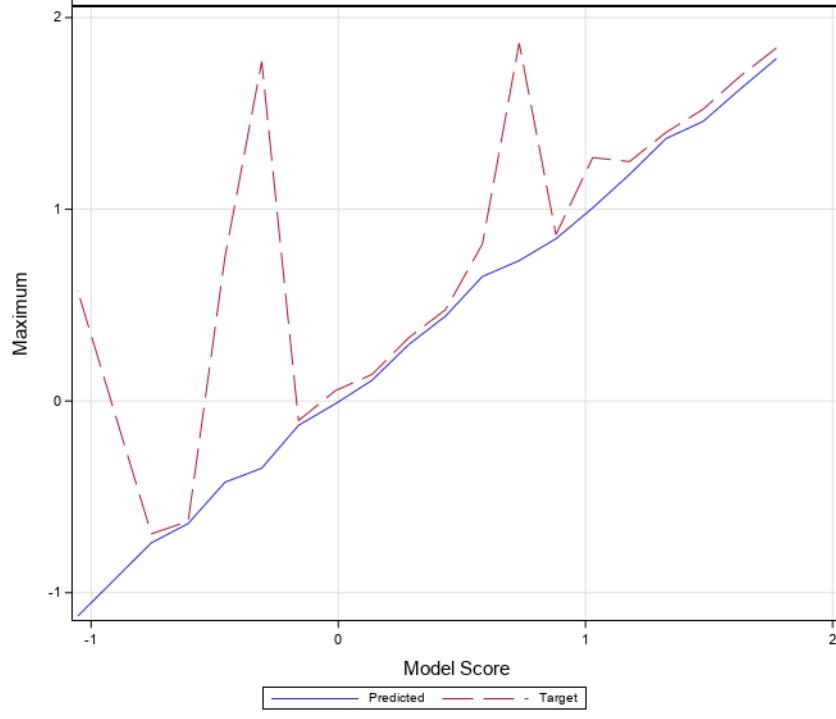


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

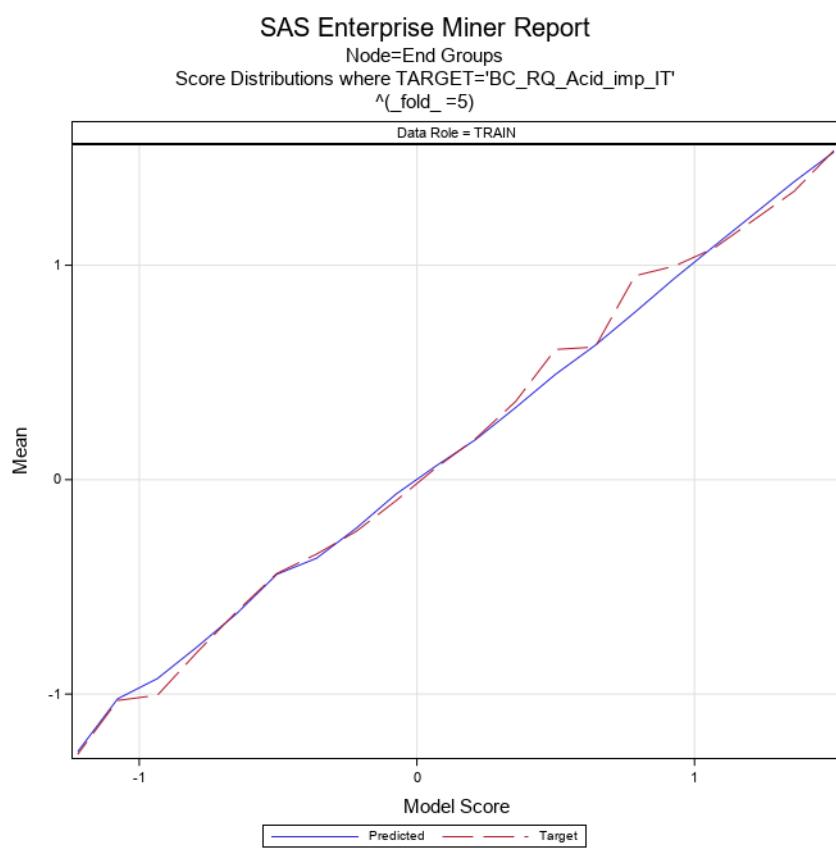
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

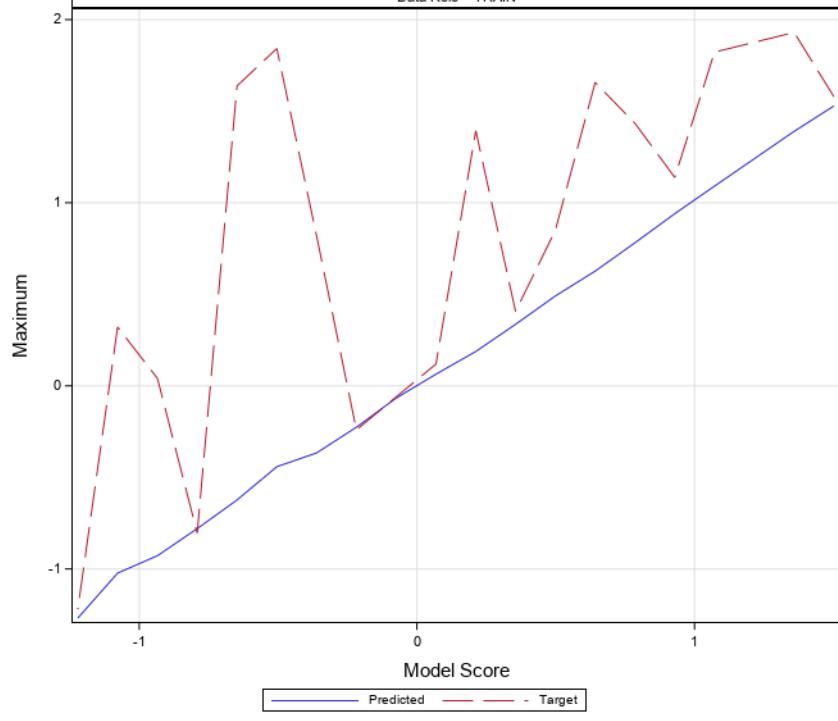


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

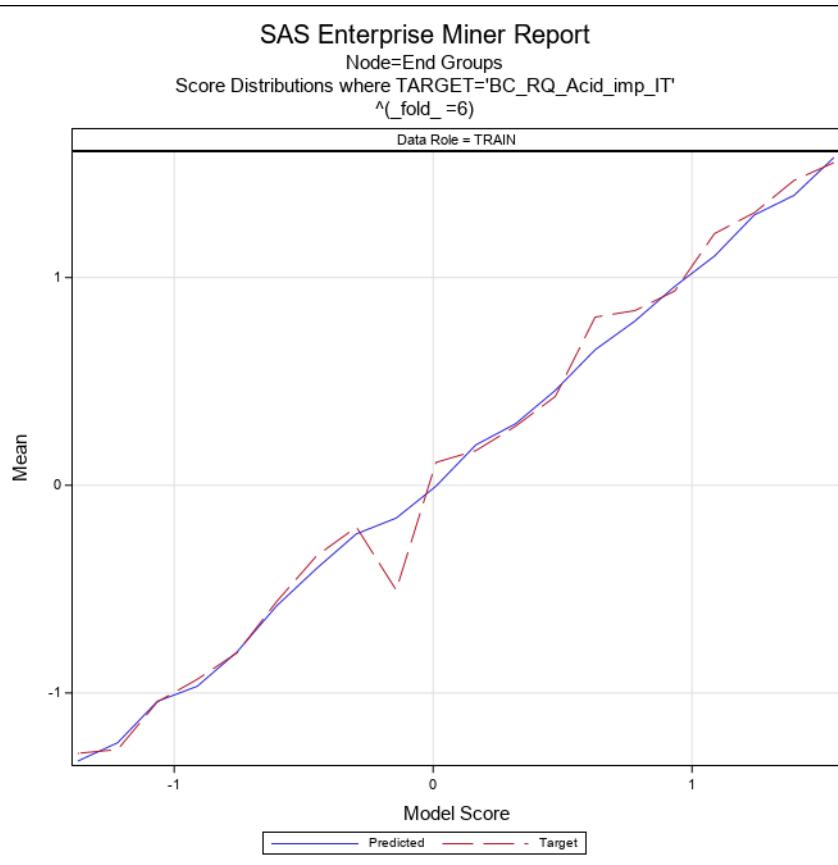


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=6)

Data Role = TRAIN

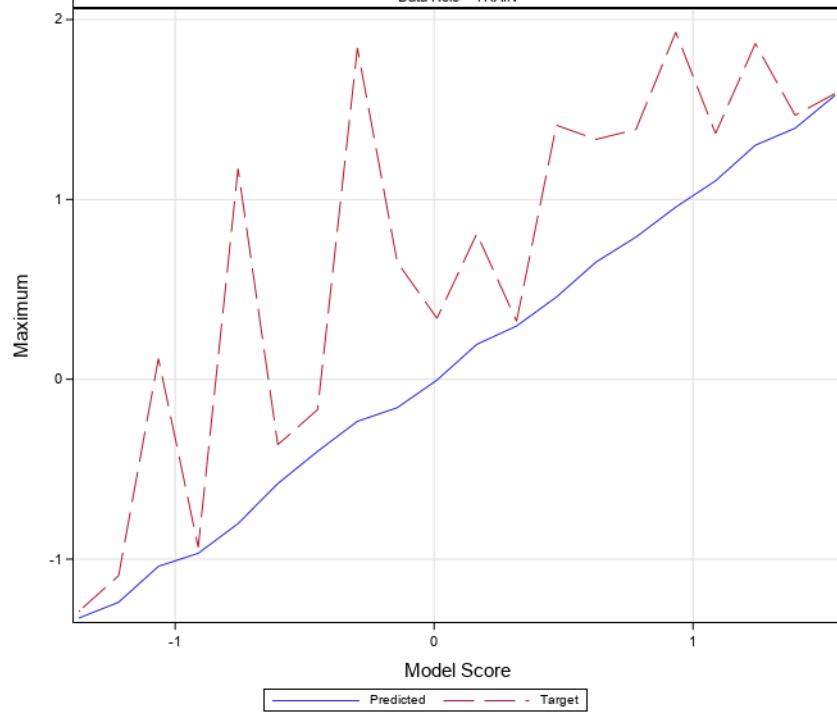


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

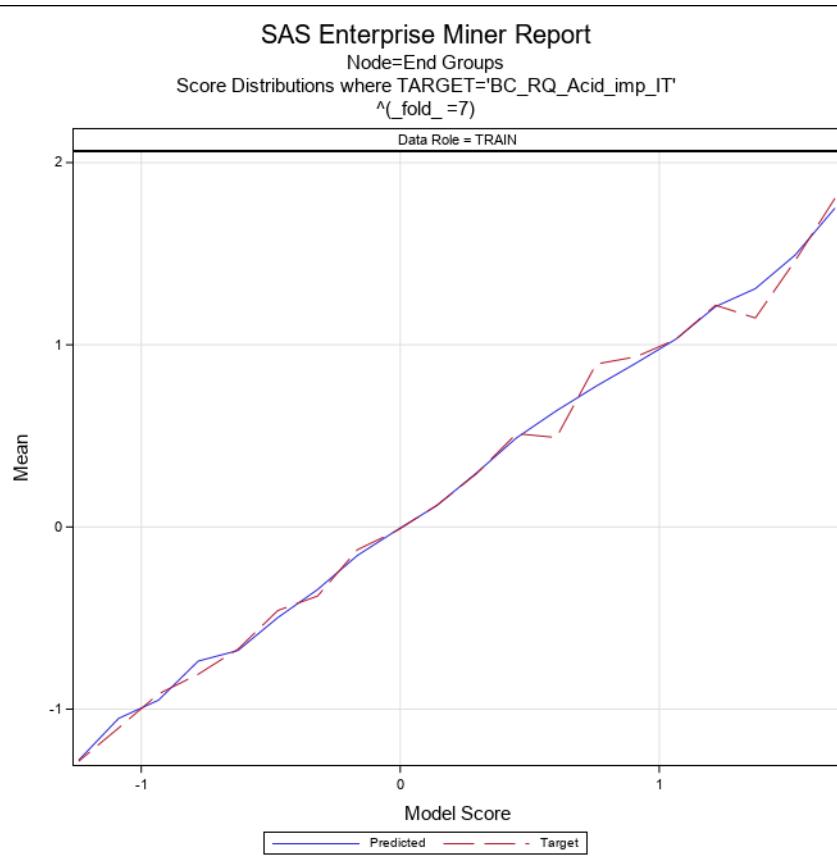
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

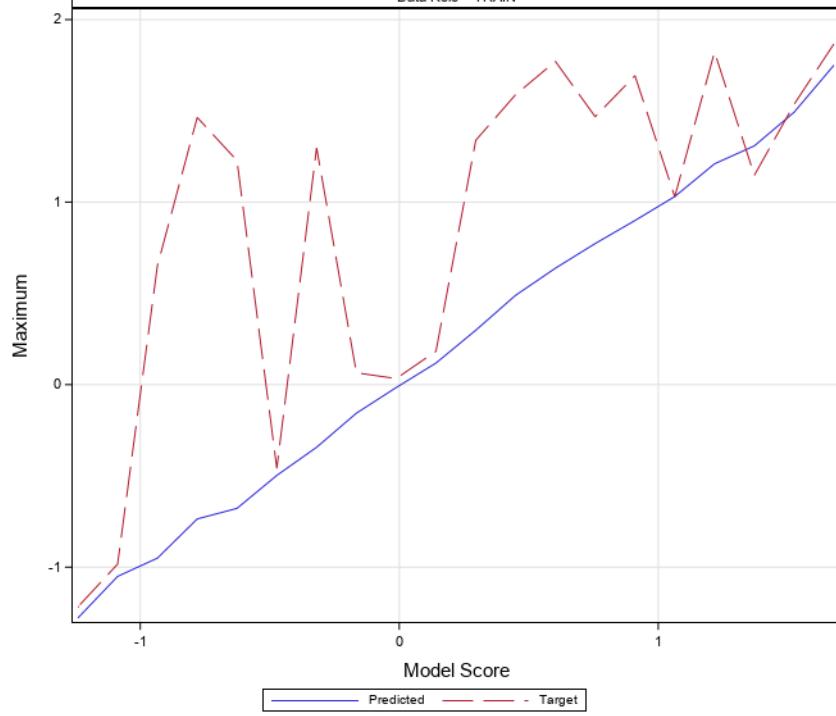


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=7)

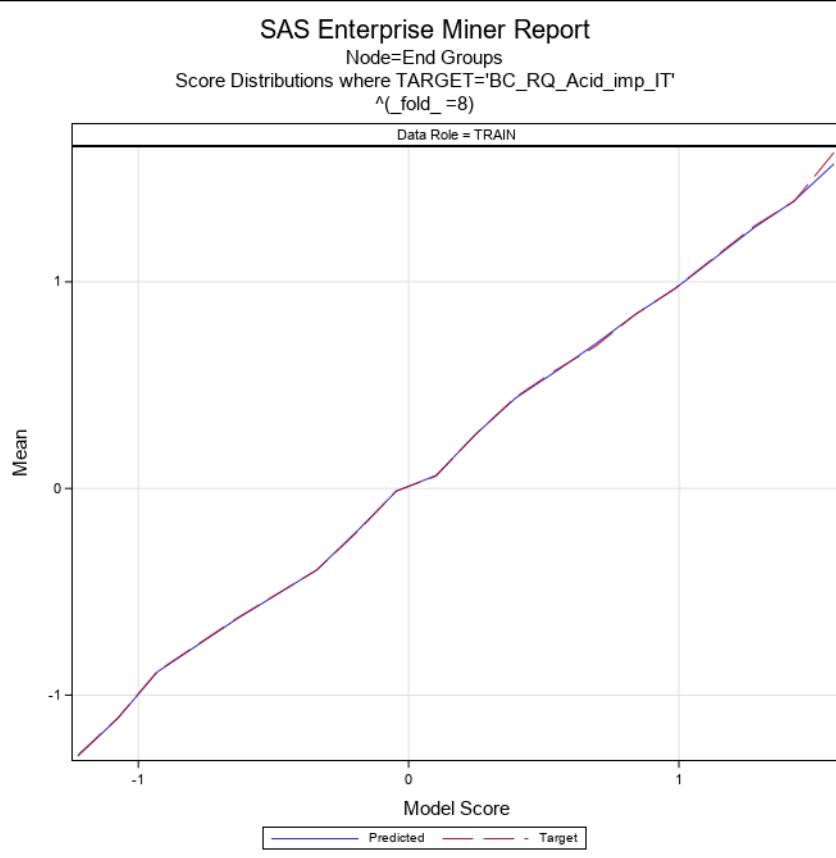
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

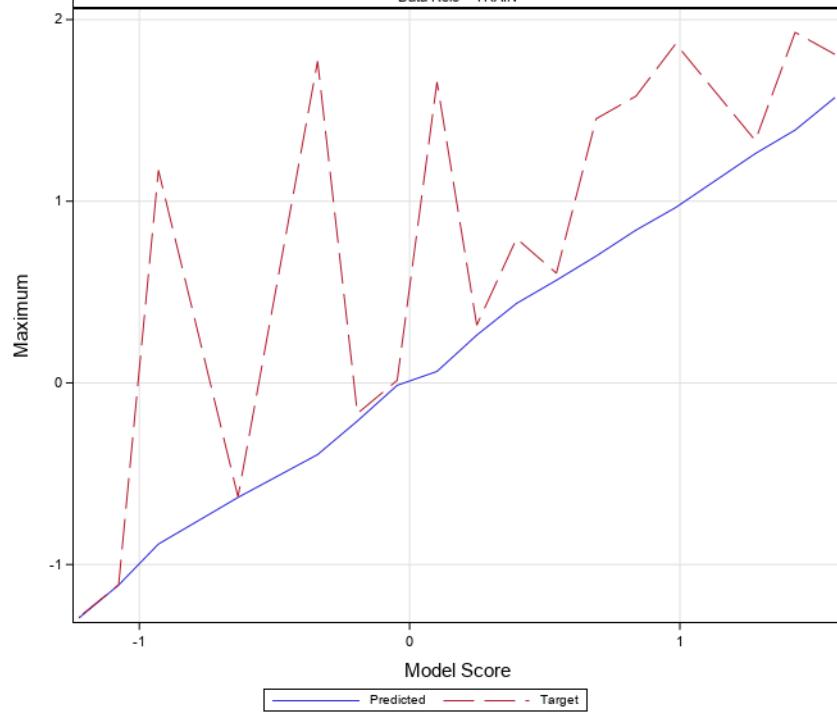


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=8)

Data Role = TRAIN

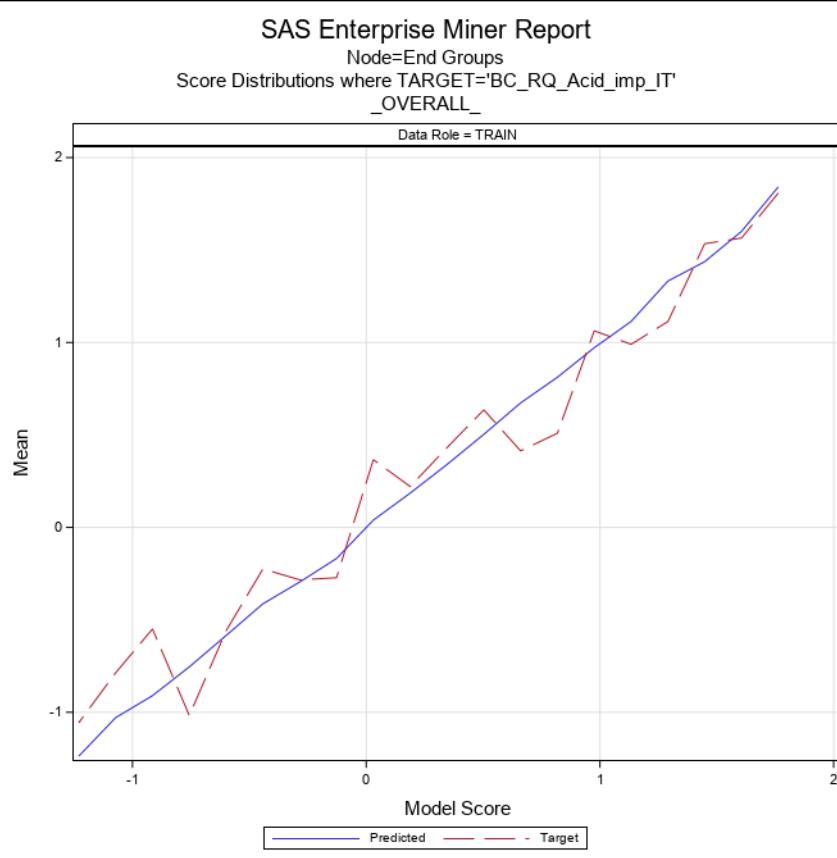


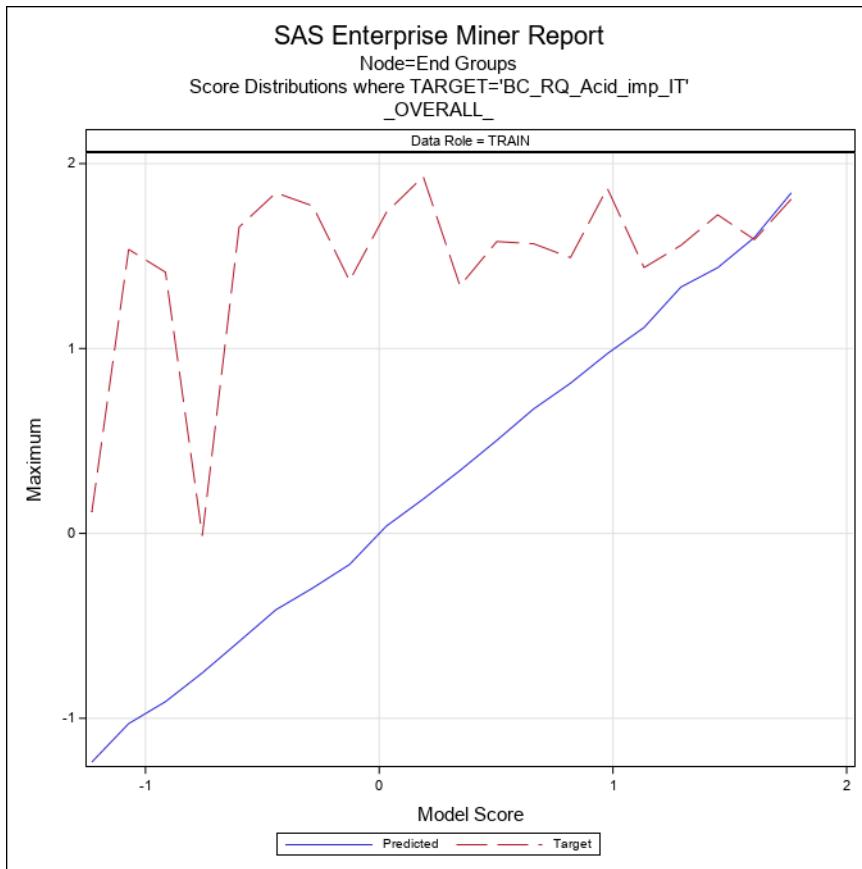
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### **Node=End Groups Score Distributions**

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.677 - 1.842	1.84105	1.84208	1.84003	1.82520	1.84202	1.80838
1.512 - 1.677	1.57511	1.62799	1.52879	1.51528	1.61852	1.33863
1.347 - 1.512	1.40681	1.49073	1.36156	1.37246	1.41251	1.33863
1.182 - 1.347	1.28402	1.33949	1.21158	1.32000	1.55764	1.08384
1.017 - 1.182	1.08631	1.13323	1.01911	1.15478	1.46801	0.65182
0.852 - 1.017	0.95004	1.01710	0.85330	0.90657	1.86701	-1.29040
0.687 - 0.852	0.77955	0.84646	0.71074	0.89716	1.77106	-0.53830
0.522 - 0.687	0.61057	0.62068	0.59988	0.70148	0.87690	0.57848
0.358 - 0.522	0.44246	0.50314	0.37577	0.43267	0.67477	0.31751
0.193 - 0.358	0.26224	0.31076	0.19823	0.26809	0.85495	-0.30409
0.028 - 0.193	0.10567	0.18406	0.02836	0.18702	0.91488	0.04068
-0.137 - 0.028	-0.05533	0.00762	-0.13257	-0.16087	0.26501	-1.29040
-0.302 - -0.137	-0.23039	-0.16070	-0.29836	-0.27414	1.22737	-1.29040
-0.467 - -0.302	-0.37288	-0.32442	-0.45462	0.08088	1.13168	-0.45852
-0.632 - -0.467	-0.59084	-0.48285	-0.63176	-0.56975	1.65655	-1.29040
-0.797 - -0.632	-0.70329	-0.64696	-0.76258	-0.72245	1.02925	-1.29040
-0.962 - -0.797	-0.89823	-0.82350	-0.96182	-1.03120	-0.69337	-1.29040
-1.127 - -0.962	-1.05026	-0.97216	-1.10719	-1.07367	0.57270	-1.29040
-1.292 - -1.127	-1.22123	-1.13615	-1.27823	-1.27687	-1.21823	-1.29040
-1.457 - -1.292	-1.34542	-1.29359	-1.45696	-1.29040	-1.29040	-1.29040

### **Node=End Groups Score Distributions**

Group=\_fold\_ =2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.227 - 1.359	1.35466	1.35914	1.28745	1.35627	1.92987	0.16562
0.964 - 1.096	1.06036	1.08387	1.03365	1.05845	1.86701	-0.16851
0.701 - 0.832	0.76667	0.76667	0.76664	0.76682	1.58869	-0.01183
0.569 - 0.701	0.67944	0.68059	0.60129	0.67946	1.80838	-0.93451
0.437 - 0.569	0.53522	0.54049	0.48491	0.53519	1.12236	-0.02953
0.306 - 0.437	0.38419	0.42930	0.33908	0.38452	0.43009	0.33895
0.174 - 0.306	0.24508	0.24508	0.24508	0.24534	0.24534	0.24534
-0.089 - 0.042	-0.01333	-0.01333	-0.01333	-0.01343	-0.01343	-0.01343
-0.221 - -0.089	-0.17192	-0.17192	-0.17192	-0.17200	1.77106	-1.29040
-0.353 - -0.221	-0.23575	-0.23186	-0.23965	-0.23630	-0.23192	-0.24068
-0.485 - -0.353	-0.36398	-0.36398	-0.36398	-0.36374	-0.36374	-0.36374
-0.616 - -0.485	-0.54775	-0.54775	-0.54775	-0.54790	-0.54790	-0.54790
-0.748 - -0.616	-0.70207	-0.69089	-0.72845	-0.70169	-0.18592	-1.21823
-0.880 - -0.748	-0.80494	-0.76591	-0.84397	-0.80543	-0.76554	-0.84532
-1.143 - -1.011	-1.04071	-1.03700	-1.06817	-1.04110	-0.45852	-1.29040
-1.275 - -1.143	-1.22649	-1.18248	-1.27475	-1.22629	0.06961	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.306 - 1.443	1.44264	1.44277	1.44251	1.40141	1.51415	1.23607
1.169 - 1.306	1.29133	1.30402	1.24669	1.30755	1.82242	0.16562
1.032 - 1.169	1.07553	1.11355	1.06950	1.06367	1.92987	0.33895
0.895 - 1.032	1.02757	1.02757	1.02757	1.02925	1.02925	1.02925
0.758 - 0.895	0.80463	0.80464	0.80461	0.80444	1.56639	-0.69337
0.621 - 0.758	0.68346	0.71700	0.62672	0.68446	0.71868	0.61604
0.484 - 0.621	0.58024	0.58312	0.56742	0.57989	1.43354	-1.07430
0.347 - 0.484	0.46975	0.47022	0.46958	0.46973	1.84202	-1.29040
0.210 - 0.347	0.25276	0.25276	0.25276	0.24534	0.24534	0.24534
0.073 - 0.210	0.16511	0.17763	0.16365	0.16535	1.58869	-1.29040
-0.064 - 0.073	-0.02460	0.03122	-0.05945	-0.02392	1.31292	-0.98338
-0.201 - -0.064	-0.11822	-0.10532	-0.13112	-0.11874	-0.10262	-0.13485
-0.338 - -0.201	-0.31972	-0.24838	-0.32413	-0.31736	0.93917	-1.29040
-0.475 - -0.338	-0.41322	-0.35487	-0.47156	-0.41113	-0.36374	-0.45852
-0.612 - -0.475	-0.55890	-0.53768	-0.60325	-0.56159	1.65655	-1.29040
-0.749 - -0.612	-0.72112	-0.72112	-0.72112	-0.72860	-0.72860	-0.72860
-0.886 - -0.749	-0.88152	-0.76390	-0.88540	-0.87501	1.17083	-1.29040
-1.023 - -0.886	-0.88700	-0.88700	-0.88700	-0.94788	-0.94788	-0.94788
-1.160 - -1.023	-1.06251	-1.03535	-1.08968	-1.06368	-1.03562	-1.09174
-1.297 - -1.160	-1.28665	-1.21835	-1.29693	-1.28639	-1.21823	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.699 - 1.848	1.78659	1.84752	1.72014	1.78632	1.84202	1.72308
1.550 - 1.699	1.62526	1.69420	1.55633	1.62077	1.69276	1.54878
1.401 - 1.550	1.45823	1.50623	1.41243	1.46385	1.52157	1.43146
1.252 - 1.401	1.36971	1.39993	1.31892	1.36489	1.40177	1.31292
1.104 - 1.252	1.18179	1.24298	1.10375	1.17882	1.24885	1.08384
0.955 - 1.104	1.00731	1.09829	0.95520	1.00056	1.26974	0.57848

Group=\_fold\_ =4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.806 - 0.955	0.84646	0.85799	0.83724	0.84730	0.86781	0.82950
0.657 - 0.806	0.73210	0.77138	0.66737	0.73297	1.86701	-1.29040
0.508 - 0.657	0.64913	0.64931	0.64895	0.72330	0.81845	0.62815
0.360 - 0.508	0.44317	0.49095	0.36673	0.43044	0.47661	0.36155
0.211 - 0.360	0.29447	0.32909	0.24015	0.28066	0.33009	0.24534
0.062 - 0.211	0.10791	0.15862	0.07201	0.10152	0.13852	0.06480
-0.087 - 0.062	-0.01497	0.05194	-0.08135	-0.01295	0.05362	-0.07171
-0.235 - 0.087	-0.12728	-0.12728	-0.12728	-0.10262	-0.10262	-0.10262
-0.384 - 0.235	-0.35048	-0.31845	-0.35458	-0.35128	1.77106	-1.29040
-0.533 - 0.384	-0.42412	-0.38730	-0.50967	-0.40706	0.75001	-0.98338
-0.682 - 0.533	-0.63947	-0.63947	-0.63947	-0.62748	-0.62748	-0.62748
-0.831 - 0.682	-0.74003	-0.68321	-0.82094	-0.77635	-0.69337	-0.88095
-1.128 - 0.979	-1.12212	-0.99101	-1.12816	-1.12175	0.57270	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.430 - 1.574	1.52863	1.57381	1.49493	1.53543	1.57848	1.49143
1.287 - 1.430	1.38980	1.39792	1.35073	1.34504	1.92987	0.16562
1.000 - 1.144	1.09082	1.09313	1.06630	1.08104	1.82242	-0.24068
0.857 - 1.000	0.94011	0.99912	0.88110	0.99663	1.13831	0.85495
0.714 - 0.857	0.78114	0.82221	0.73815	0.95064	1.43354	0.79170
0.570 - 0.714	0.62652	0.71355	0.58046	0.61864	1.65655	-1.29040
0.427 - 0.570	0.49078	0.55537	0.43239	0.60718	0.84998	0.45315
0.284 - 0.427	0.33602	0.39404	0.29732	0.36440	0.40641	0.32306
0.140 - 0.284	0.18751	0.26709	0.14343	0.19216	1.39306	-1.21823
-0.003 - 0.140	0.06377	0.10466	0.02228	0.05495	0.11898	-0.01183
-0.146 - 0.003	-0.06684	-0.06538	-0.06829	-0.09753	-0.06021	-0.13485
-0.290 - 0.146	-0.22594	-0.21398	-0.23790	-0.24068	-0.24068	-0.24068
-0.433 - 0.290	-0.36640	-0.29091	-0.40997	-0.34708	0.81845	-1.29040
-0.576 - 0.433	-0.44181	-0.43316	-0.44213	-0.43769	1.84202	-1.29040
-0.720 - 0.576	-0.62321	-0.62208	-0.63388	-0.61376	1.63777	-1.29040
-0.863 - 0.720	-0.77967	-0.77967	-0.77967	-0.80438	-0.80438	-0.80438
-1.006 - 0.863	-0.92771	-0.89277	-1.00588	-1.00559	0.04068	-1.29040
-1.150 - 1.006	-1.02246	-1.01672	-1.09538	-1.02988	0.32113	-1.29040
-1.293 - 1.150	-1.26821	-1.22232	-1.29284	-1.28009	-1.21823	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.471 - 1.625	1.57819	1.62495	1.48787	1.55349	1.58869	1.51415
1.318 - 1.471	1.39609	1.39609	1.39609	1.46801	1.46801	1.46801
1.164 - 1.318	1.30155	1.31102	1.26387	1.31219	1.86701	0.65182
1.010 - 1.164	1.10371	1.13160	1.01829	1.21195	1.36680	1.02925
0.856 - 1.010	0.95739	1.00882	0.85865	0.93537	1.92987	-0.93451
0.703 - 0.856	0.79069	0.84158	0.71855	0.84110	1.38921	0.04068
0.549 - 0.703	0.65256	0.69005	0.62297	0.80976	1.33391	0.26501
0.395 - 0.549	0.45709	0.50810	0.41206	0.42803	1.41251	-0.84532
0.242 - 0.395	0.29622	0.34929	0.24315	0.28420	0.32306	0.24534
0.088 - 0.242	0.19411	0.21505	0.14246	0.16666	0.80905	-1.21823

Group=^(fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.066 - 0.088	-0.00442	0.05300	-0.05078	0.11017	0.33895	-0.12797
-0.219 - -0.066	-0.15797	-0.07350	-0.21903	-0.50462	0.65182	-1.29040
-0.373 - -0.219	-0.23379	-0.22573	-0.36792	-0.20119	1.84202	-1.29040
-0.527 - -0.373	-0.40048	-0.37946	-0.43770	-0.33969	-0.16851	-0.45852
-0.681 - -0.527	-0.57976	-0.53950	-0.65650	-0.55883	-0.36374	-0.71673
-0.834 - -0.681	-0.80253	-0.74122	-0.80721	-0.80674	1.17083	-1.29040
-0.988 - -0.834	-0.96769	-0.96769	-0.96769	-0.93451	-0.93451	-0.93451
-1.142 - -0.988	-1.04015	-1.00013	-1.07963	-1.04241	0.11522	-1.29040
-1.295 - -1.142	-1.23961	-1.18456	-1.29454	-1.27234	-1.09174	-1.29040
-1.449 - -1.295	-1.32779	-1.29930	-1.44905	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.601 - 1.755	1.75006	1.75514	1.74041	1.80370	1.86701	1.73571
1.448 - 1.601	1.49254	1.51625	1.47669	1.46142	1.53621	1.33391
1.294 - 1.448	1.30816	1.30816	1.30816	1.14698	1.14698	1.14698
1.141 - 1.294	1.20984	1.24380	1.15109	1.21731	1.82242	0.40630
0.987 - 1.141	1.03051	1.03051	1.03051	1.02925	1.02925	1.02925
0.833 - 0.987	0.89914	0.90327	0.85004	0.93401	1.69276	-0.53830
0.680 - 0.833	0.77295	0.83176	0.69319	0.89433	1.46801	0.68341
0.526 - 0.680	0.63775	0.65547	0.56589	0.49086	1.77106	-1.29040
0.372 - 0.526	0.48933	0.49923	0.37975	0.51249	1.58869	-1.29040
0.219 - 0.372	0.29806	0.37143	0.22147	0.29380	1.33863	-1.21823
0.065 - 0.219	0.11819	0.17223	0.06713	0.11966	0.18307	0.06635
-0.089 - 0.065	-0.01598	0.04382	-0.07579	-0.01926	0.03319	-0.07171
-0.242 - -0.089	-0.15640	-0.09674	-0.21635	-0.12487	0.06480	-0.18592
-0.396 - -0.242	-0.34331	-0.24583	-0.36081	-0.37898	1.29756	-1.29040
-0.550 - -0.396	-0.49739	-0.45833	-0.53644	-0.45852	-0.45852	-0.45852
-0.703 - -0.550	-0.67792	-0.59761	-0.69293	-0.67033	1.22737	-1.29040
-0.857 - -0.703	-0.73601	-0.70574	-0.83395	-0.80804	1.46404	-1.29040
-1.011 - -0.857	-0.95065	-0.94532	-0.99153	-0.91649	0.65182	-1.29040
-1.164 - -1.011	-1.05063	-1.03310	-1.08537	-1.10313	-0.98338	-1.29040
-1.318 - -1.164	-1.27912	-1.16640	-1.31786	-1.28485	-1.21823	-1.29040

## Node=End Groups Score Distributions

Group=^(fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.500 - 1.647	1.57079	1.64742	1.50387	1.62588	1.80838	1.50288
1.353 - 1.500	1.39186	1.49623	1.36840	1.38928	1.92987	0.55237
1.206 - 1.353	1.26263	1.32943	1.20686	1.27004	1.33391	1.22737
0.911 - 1.058	0.96571	0.96574	0.96569	0.96733	1.86701	-0.16851
0.764 - 0.911	0.84084	0.85315	0.82492	0.84093	1.57848	-0.93451
0.617 - 0.764	0.69813	0.70509	0.62418	0.68681	1.45401	0.00046
0.469 - 0.617	0.56489	0.60631	0.52346	0.57135	0.60373	0.53897
0.322 - 0.469	0.43750	0.43766	0.43733	0.44201	0.79471	0.08931
0.175 - 0.322	0.26290	0.31718	0.22625	0.26267	0.31751	0.22515
0.028 - 0.175	0.06295	0.06348	0.04132	0.05986	1.65655	-1.29040
-0.120 - 0.028	-0.01347	0.02723	-0.06813	-0.01217	0.01410	-0.06021
-0.267 - -0.120	-0.20991	-0.16531	-0.24422	-0.21370	-0.16851	-0.24068

Group= $\wedge$ ( $\_fold\_ = 8$ ) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-0.414 - -0.267	-0.39470	-0.30941	-0.40291	-0.39511	1.77106	-1.29040
-0.709 - -0.561	-0.63071	-0.63071	-0.63071	-0.62748	-0.62748	-0.62748
-1.003 - -0.856	-0.88742	-0.88501	-0.88759	-0.88449	1.17083	-1.29040
-1.150 - -1.003	-1.11309	-1.11309	-1.11309	-1.11166	-1.11166	-1.11166
-1.298 - -1.150	-1.29494	-1.29236	-1.29752	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.685 - 1.842	1.84208	1.84208	1.84208	1.80838	1.80838	1.80838
1.527 - 1.685	1.60101	1.62495	1.55633	1.56504	1.58869	1.54878
1.370 - 1.527	1.43716	1.50623	1.39609	1.53413	1.72308	1.44384
1.212 - 1.370	1.33206	1.36926	1.21525	1.11311	1.55764	0.16562
1.054 - 1.212	1.11370	1.21093	1.06062	0.99040	1.43759	0.33895
0.897 - 1.054	0.97185	1.02826	0.90316	1.06323	1.86701	-0.16851
0.739 - 0.897	0.81205	0.87933	0.74998	0.50943	1.49143	-1.29040
0.582 - 0.739	0.67322	0.73365	0.58718	0.41387	1.56639	-1.29040
0.424 - 0.582	0.50319	0.58095	0.46824	0.63574	1.57848	-0.16851
0.267 - 0.424	0.34018	0.37975	0.27980	0.43130	1.33863	-0.30409
0.109 - 0.267	0.18539	0.25517	0.12788	0.22098	1.92987	-1.29040
-0.048 - 0.109	0.03940	0.06797	-0.01363	0.36622	1.73571	-0.62748
-0.206 - -0.048	-0.16810	-0.07350	-0.19943	-0.27217	1.36680	-1.29040
-0.363 - -0.206	-0.29541	-0.21893	-0.35549	-0.28354	1.77106	-1.29040
-0.521 - -0.363	-0.41314	-0.36662	-0.44213	-0.22458	1.84202	-1.29040
-0.678 - -0.521	-0.58468	-0.55476	-0.65546	-0.55932	1.65655	-1.29040
-0.836 - -0.678	-0.75454	-0.67978	-0.80607	-1.01716	-0.01343	-1.29040
-0.993 - -0.836	-0.91006	-0.88487	-0.99101	-0.54954	1.41251	-1.29040
-1.151 - -0.993	-1.02889	-1.00233	-1.12816	-0.78625	1.53621	-1.29040
-1.308 - -1.151	-1.23680	-1.16640	-1.30832	-1.05606	0.11522	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	$\wedge$ ( $\_fold\_ = 1$ )	339
2	$\wedge$ ( $\_fold\_ = 2$ )	356
3	$\wedge$ ( $\_fold\_ = 3$ )	346
4	$\wedge$ ( $\_fold\_ = 4$ )	344
5	$\wedge$ ( $\_fold\_ = 5$ )	340
6	$\wedge$ ( $\_fold\_ = 6$ )	333
7	$\wedge$ ( $\_fold\_ = 7$ )	348
8	$\wedge$ ( $\_fold\_ = 8$ )	345

## SAS Enterprise Miner Report

### Node=Gradient Boosting Tuned 1 Summary

Node id = Boost2  
 Node label = Gradient Boosting Tuned 1  
 Meta path = Ids => Trans => Grp8 => Boost2  
 Notes =

### Node=Gradient Boosting Tuned 1 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Boost		MaxBranch	3	2	Performance	DISK	
AssessMeasure	PROFIT		MaxDepth	6	2	Precision	0	
CategoricalBins	30		Measure	PROFIT		ReUseVar	1	
CreateHStat	Y	N	MinCatSize	5		Seed	12345	
Exhaustive	5000		Missing	USEINSEARCH		Shrinkage	0.01	0.1
Huber	NO		NSurrs	0		SplitSize	.	
IntervalBins	100		NodeSize	20000		SubSeries	BEST	
IterationNum	1		NumPairImp	0		ToolType	MODEL	
Iterations	100	50	NumSingleImp	5		TrainProportion	60	
LeafFraction	0.001		ObsImportance	Y	N	VarSelection	N	Y

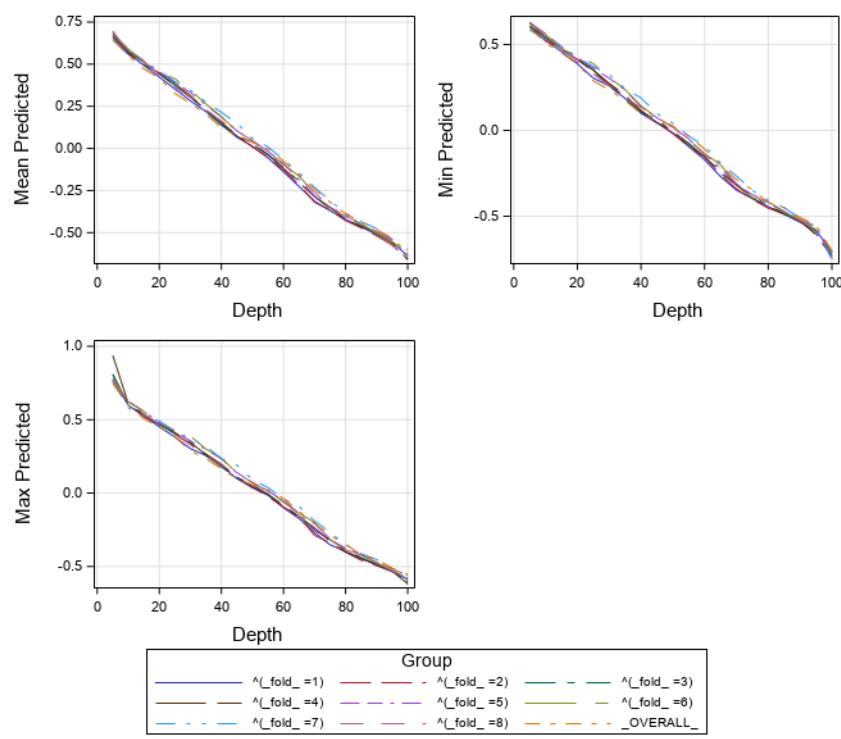
### Node=Gradient Boosting Tuned 1 Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

Group Index	Group	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Times Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Target Label
1	^(_fold_=1)	BC_RQ_Acid_imp_IT	336	336	1.28640	129.527	0.38550	0.62088	336	336	ReQuest (acid subscale) (Box-Cox transformed)
2	^(_fold_=2)	BC_RQ_Acid_imp_IT	343	343	1.36389	135.555	0.39520	0.62865	343	343	ReQuest (acid subscale) (Box-Cox transformed)
3	^(_fold_=3)	BC_RQ_Acid_imp_IT	342	342	1.23565	127.874	0.37390	0.61147	342	342	ReQuest (acid subscale) (Box-Cox transformed)
4	^(_fold_=4)	BC_RQ_Acid_imp_IT	334	334	1.26604	124.297	0.37215	0.61004	334	334	ReQuest (acid subscale) (Box-Cox transformed)
5	^(_fold_=5)	BC_RQ_Acid_imp_IT	339	339	1.29359	131.651	0.38835	0.62318	339	339	ReQuest (acid subscale) (Box-Cox transformed)
6	^(_fold_=6)	BC_RQ_Acid_imp_IT	343	343	1.35633	134.402	0.39184	0.62597	343	343	ReQuest (acid subscale) (Box-Cox transformed)
7	^(_fold_=7)	BC_RQ_Acid_imp_IT	338	338	1.30596	129.041	0.38178	0.61788	338	338	ReQuest (acid subscale) (Box-Cox transformed)
8	^(_fold_=8)	BC_RQ_Acid_imp_IT	352	352	1.21924	138.110	0.39236	0.62638	352	352	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_	BC_RQ_Acid_imp_IT	393	.	1.59912	173.783	0.44220	0.66498	393	.	ReQuest (acid subscale) (Box-Cox transformed)

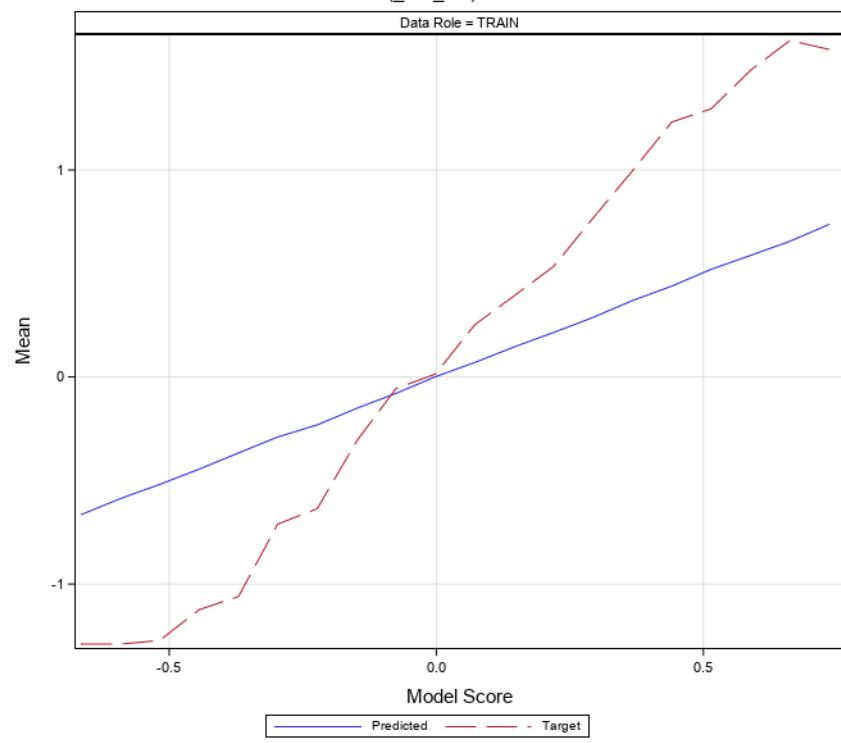
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 1  
 Multiple Model Assessment Scores where DataRole=TRAIN  
 TARGET='BC\_RQ\_Acid\_imp\_IT'



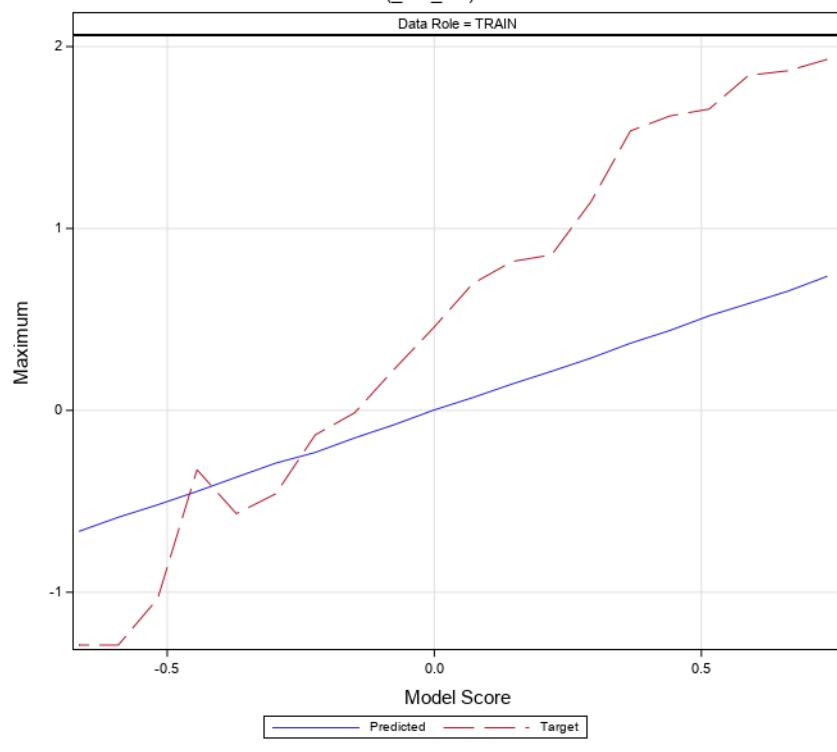
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 1  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge_{\text{fold}} = 1$

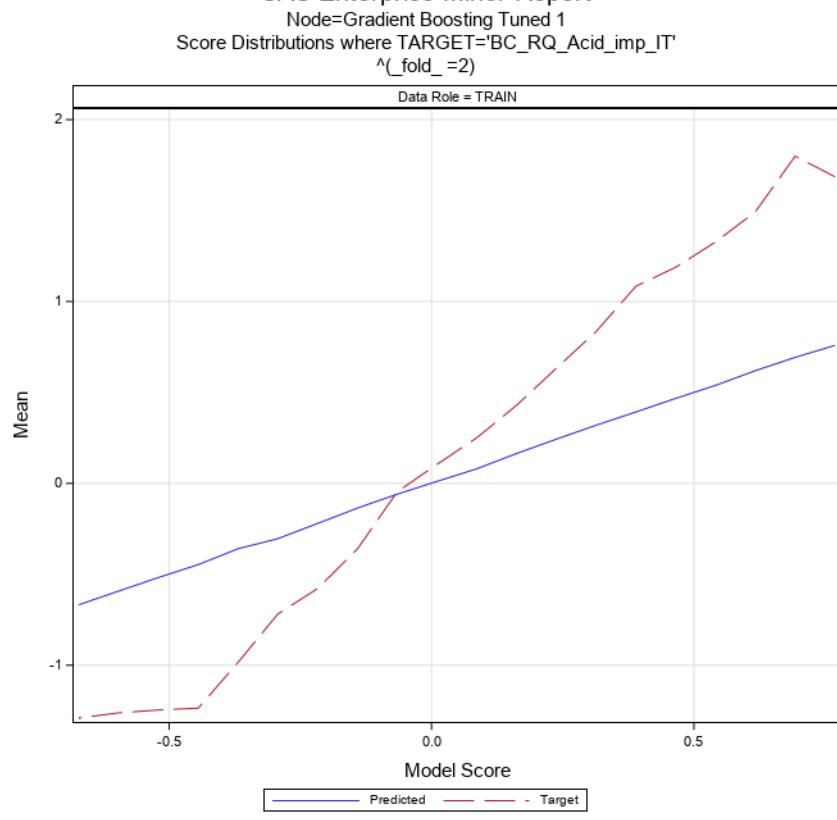


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

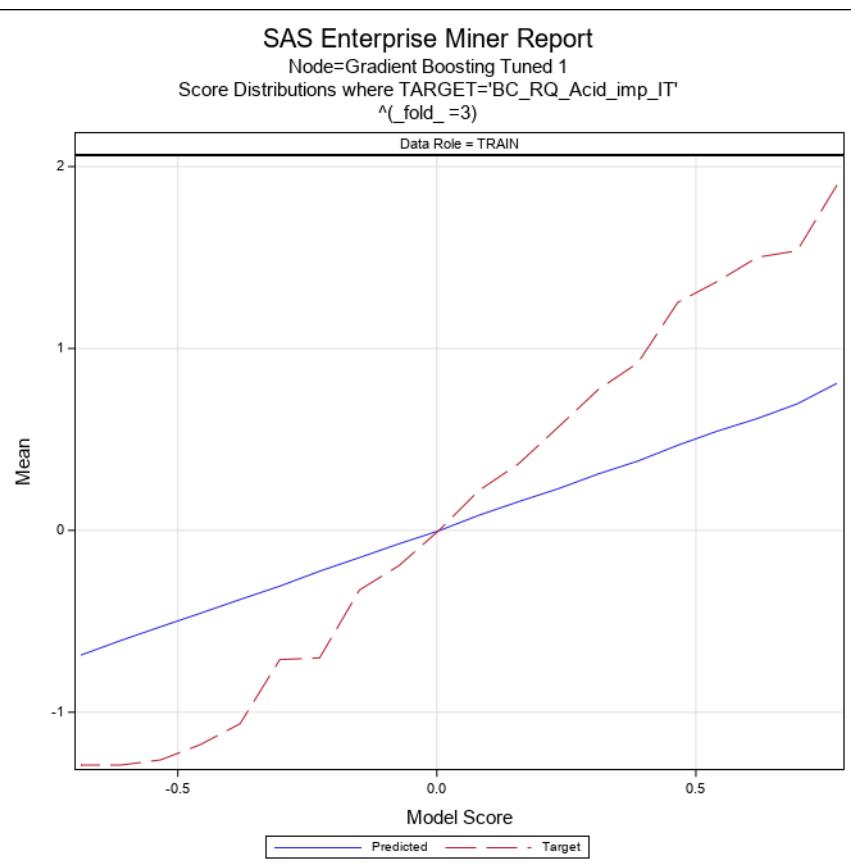


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

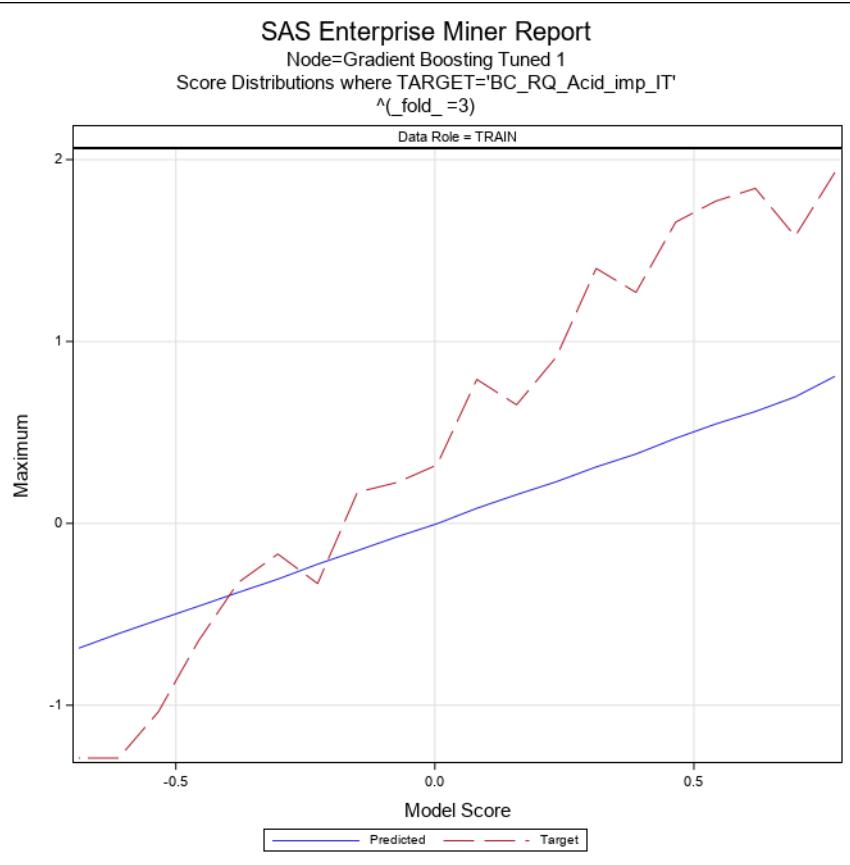
**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=3)



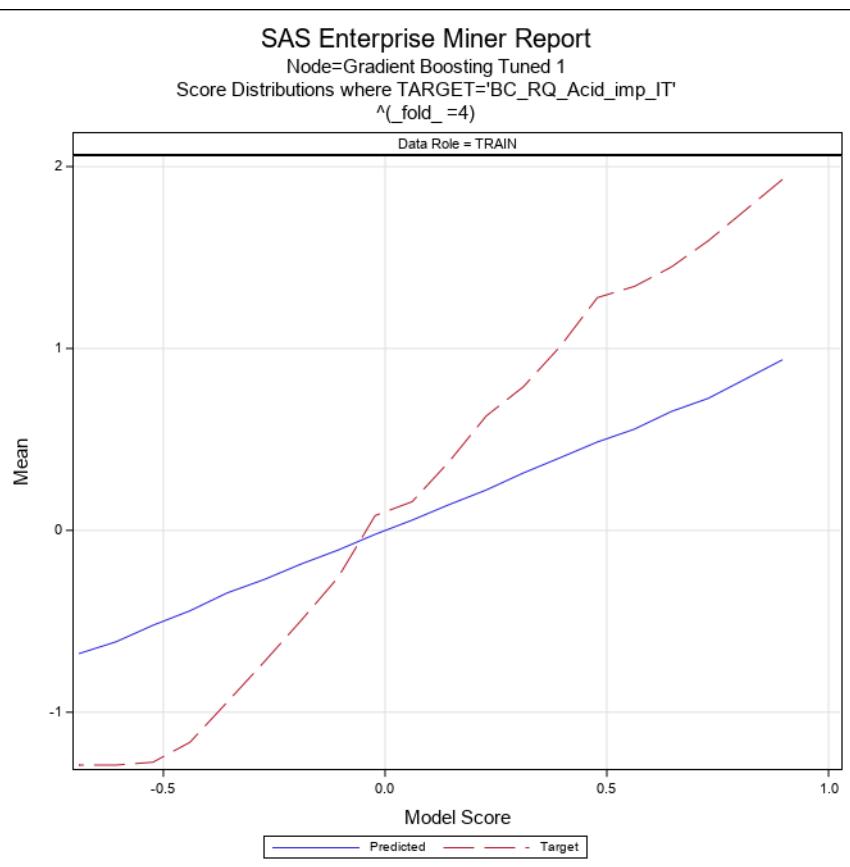
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 1  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}3)$



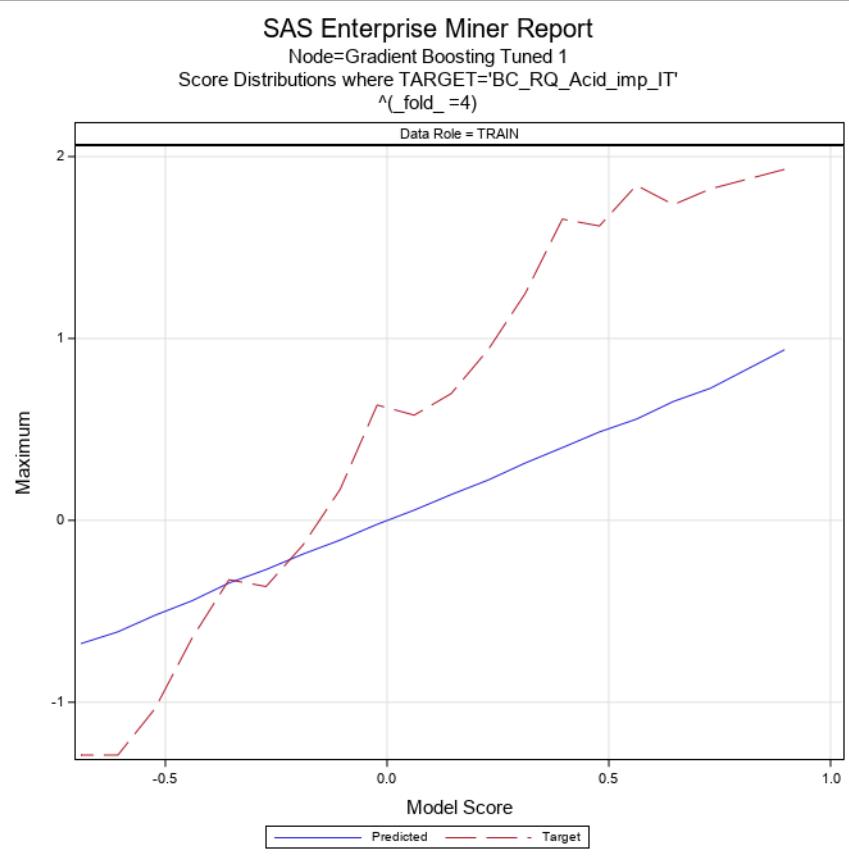
### SAS Enterprise Miner Report

Node=Gradient Boosting Tuned 1  
 Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
 $\wedge(\text{fold}_\text{=}4)$



**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=4)

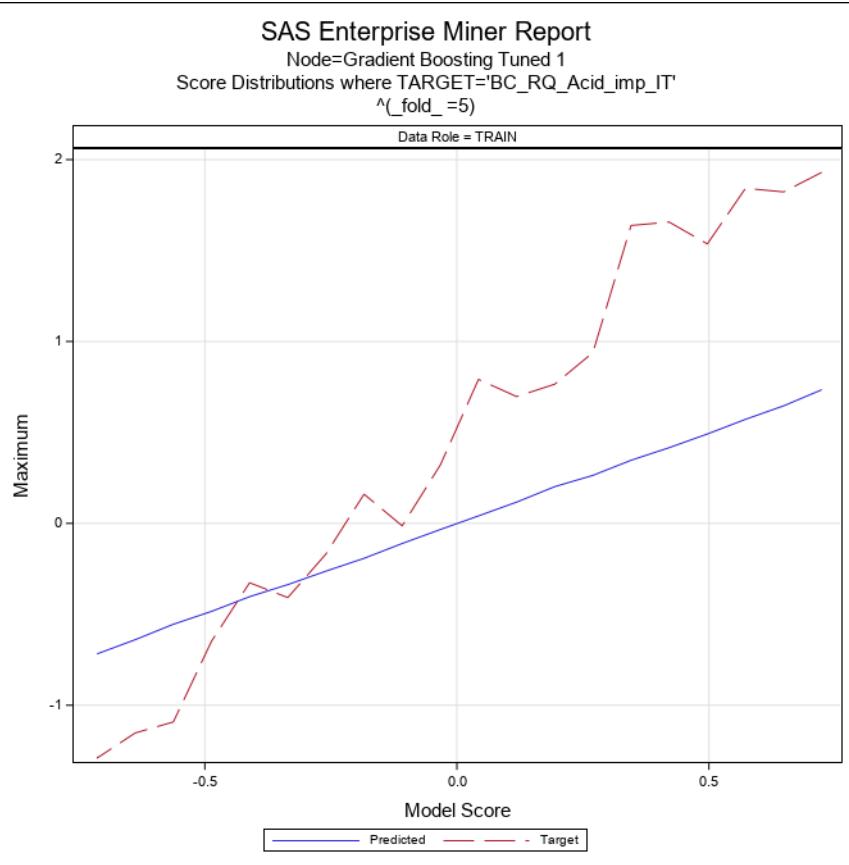
**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)



**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1  
Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

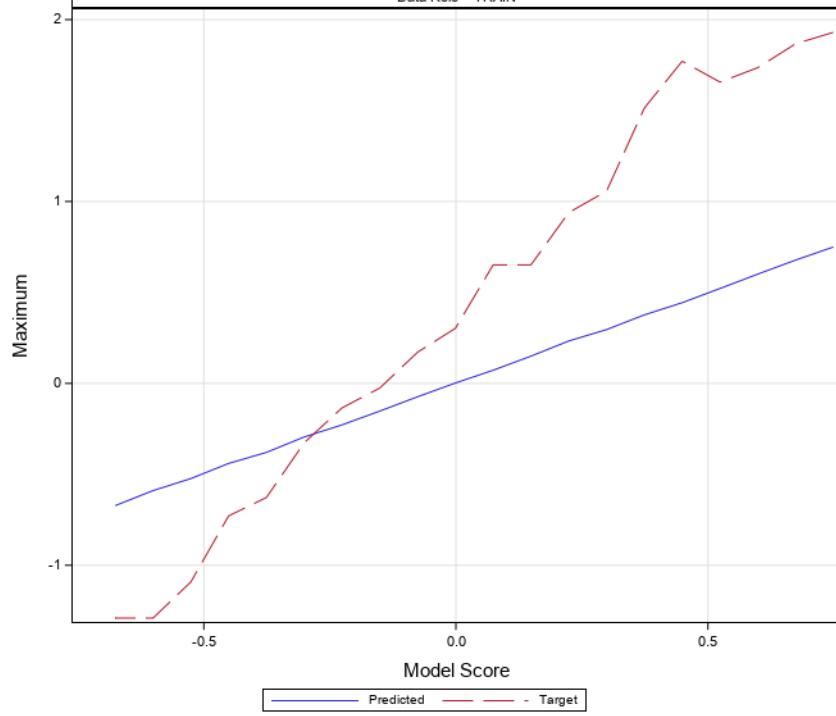


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

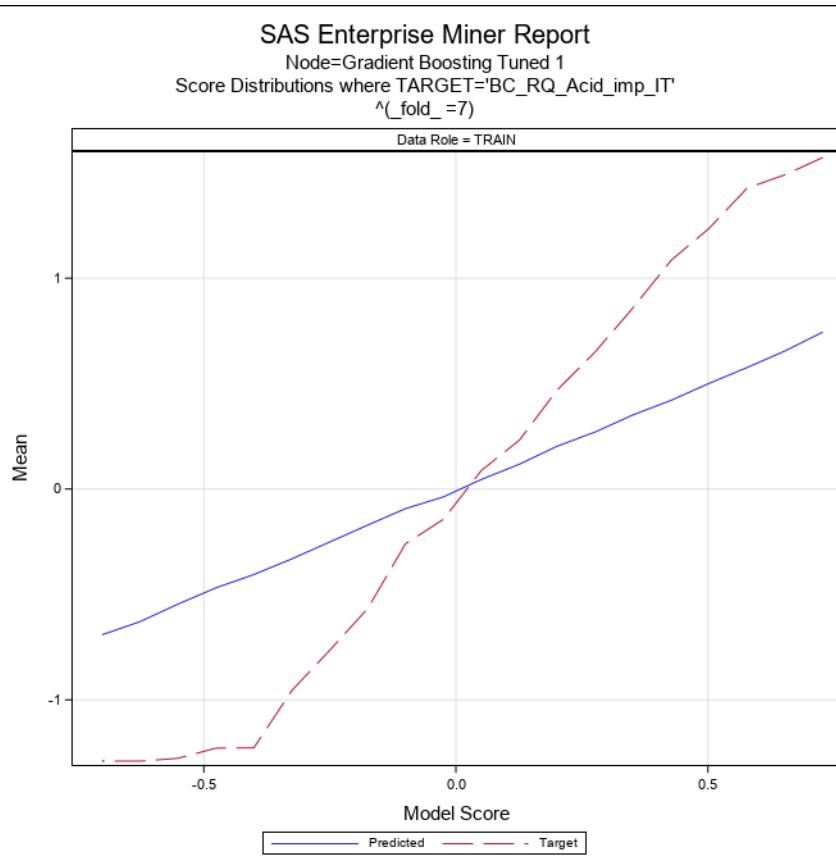
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

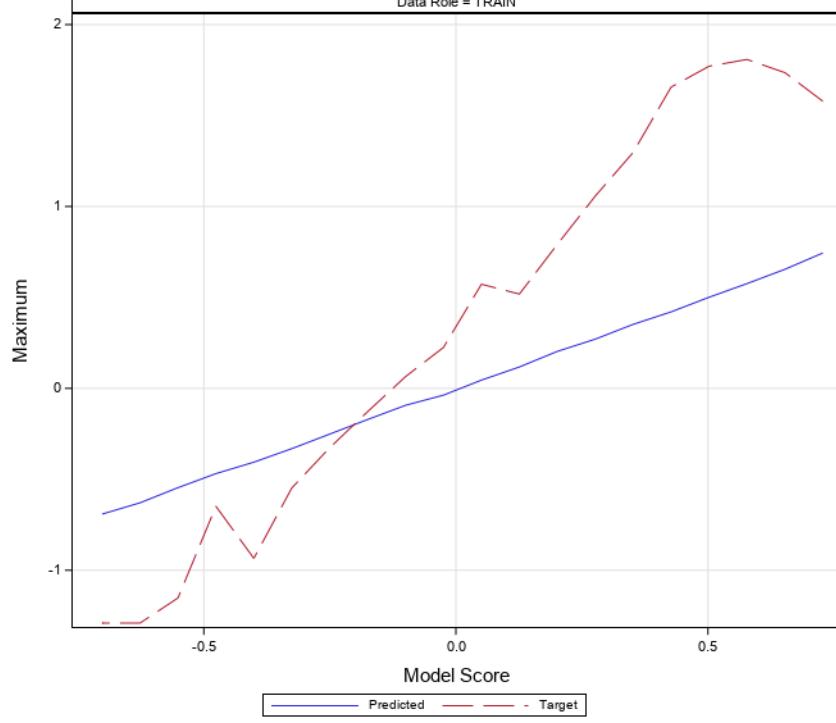


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

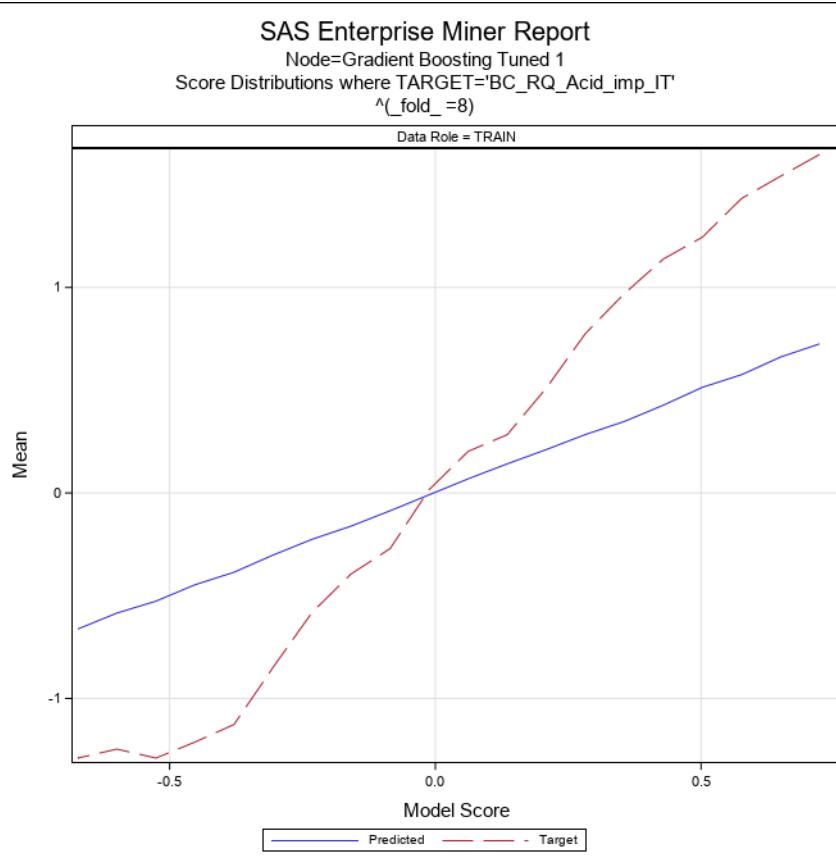
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

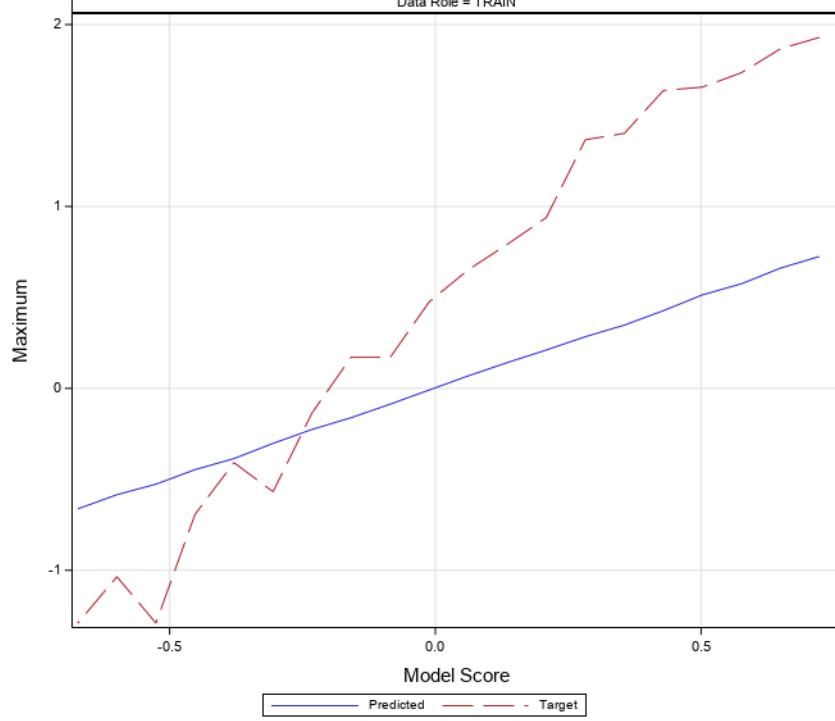


**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

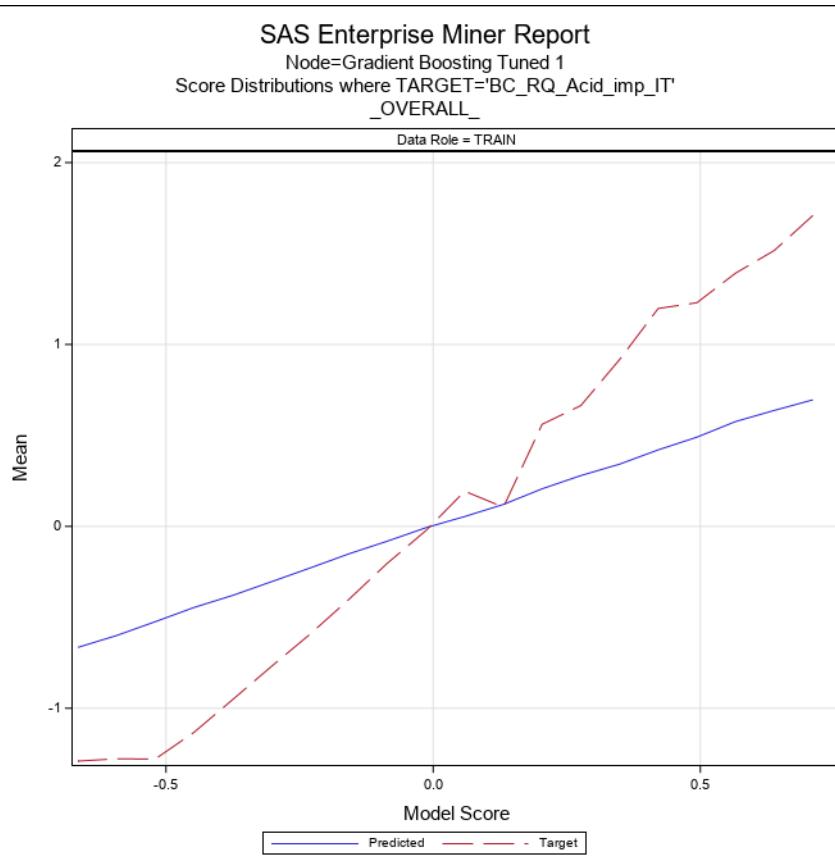
Data Role = TRAIN

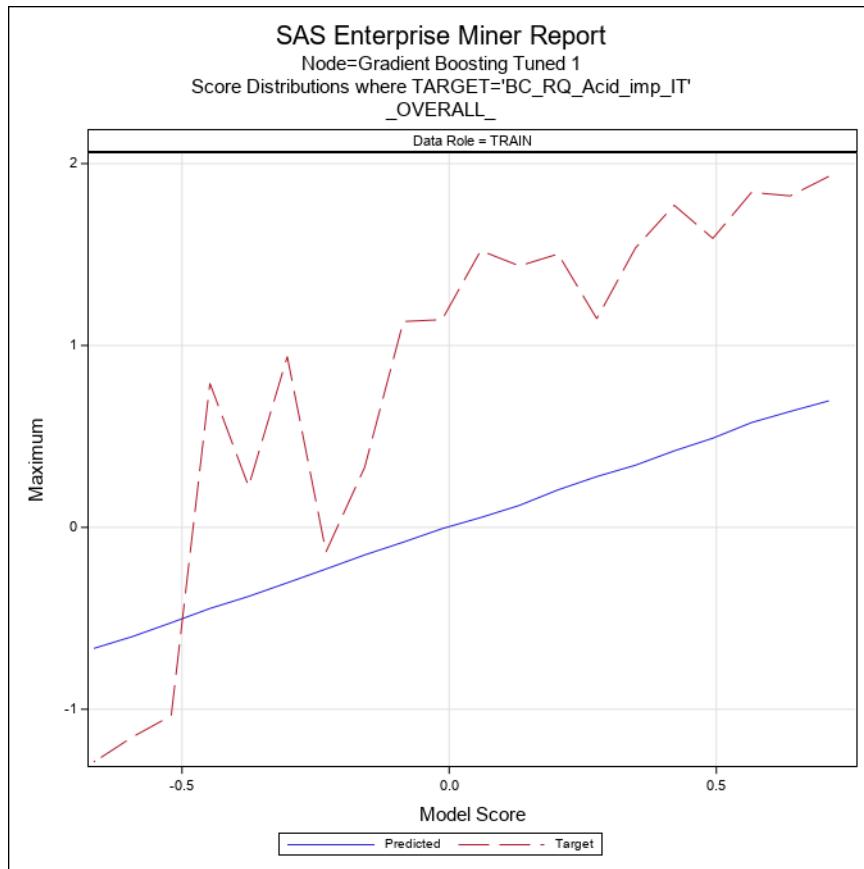
**SAS Enterprise Miner Report**

Node=Gradient Boosting Tuned 1

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

Data Role = TRAIN





### **Node=Gradient Boosting Tuned 1**

#### **Score Distributions**

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.699 - 0.773	0.73750	0.77271	0.70945	1.58187	1.92987	1.30987
0.625 - 0.699	0.65556	0.68085	0.63098	1.62551	1.86701	1.14239
0.551 - 0.625	0.58722	0.62105	0.55563	1.48146	1.84202	1.12236
0.478 - 0.551	0.52006	0.55092	0.47934	1.29543	1.65655	0.86781
0.404 - 0.478	0.43897	0.47399	0.40458	1.23161	1.61852	0.87690
0.330 - 0.404	0.36896	0.39724	0.33042	0.99535	1.53621	0.53897
0.256 - 0.330	0.28746	0.32584	0.25654	0.76715	1.14698	0.33895
0.183 - 0.256	0.21486	0.25478	0.18501	0.53380	0.85495	0.30288
0.109 - 0.183	0.14516	0.18232	0.10958	0.39205	0.81845	0.03319
0.035 - 0.109	0.07007	0.10751	0.03562	0.25235	0.69704	-0.02592
-0.039 - 0.035	0.00081	0.03259	-0.03819	0.01366	0.45315	-0.30409
-0.112 - -0.039	-0.07914	-0.05200	-0.10587	-0.05556	0.22515	-0.59657
-0.186 - -0.112	-0.15170	-0.11340	-0.18231	-0.31008	-0.01343	-0.69337
-0.260 - -0.186	-0.23134	-0.19800	-0.25676	-0.63659	-0.13485	-0.98338
-0.334 - -0.260	-0.28997	-0.26491	-0.33340	-0.71037	-0.45852	-0.93451
-0.407 - -0.334	-0.36721	-0.33414	-0.40690	-1.06089	-0.56812	-1.29040
-0.481 - -0.407	-0.44557	-0.40736	-0.47874	-1.12445	-0.32636	-1.29040
-0.555 - -0.481	-0.51926	-0.48834	-0.55079	-1.27318	-1.03562	-1.29040
-0.629 - -0.555	-0.58776	-0.55668	-0.62553	-1.29040	-1.29040	-1.29040
-0.702 - -0.629	-0.66549	-0.62919	-0.70235	-1.29040	-1.29040	-1.29040

### **Node=Gradient Boosting Tuned 1**

#### **Score Distributions**

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.731 - 0.807	0.75864	0.80664	0.73269	1.68571	1.92987	1.54878
0.655 - 0.731	0.69269	0.72798	0.66641	1.79898	1.84202	1.72308
0.579 - 0.655	0.61952	0.65214	0.58977	1.49287	1.86701	1.12996
0.503 - 0.579	0.53877	0.57850	0.50526	1.32721	1.73571	0.98555
0.427 - 0.503	0.46740	0.50227	0.43107	1.18834	1.61852	0.53897
0.352 - 0.427	0.39253	0.42729	0.35517	1.08391	1.77106	0.71868
0.276 - 0.352	0.31967	0.34944	0.28444	0.83511	1.40177	0.36845
0.200 - 0.276	0.24310	0.26808	0.20963	0.63323	1.20526	0.25719
0.124 - 0.200	0.16424	0.19953	0.12833	0.42942	0.93917	-0.16851
0.048 - 0.124	0.08012	0.11694	0.05448	0.25043	0.57270	-0.06021
-0.028 - 0.048	0.01098	0.04733	-0.02314	0.10445	0.79170	-0.45852
-0.103 - -0.028	-0.05953	-0.03115	-0.10134	-0.04618	0.32113	-0.34179
-0.179 - -0.103	-0.13599	-0.10680	-0.16941	-0.36072	0.17117	-0.93451
-0.255 - -0.179	-0.22029	-0.19040	-0.25214	-0.57825	-0.16851	-0.93451
-0.331 - -0.255	-0.30404	-0.25715	-0.33034	-0.71828	-0.15603	-1.29040
-0.407 - -0.331	-0.35931	-0.33196	-0.40281	-0.98443	-0.32636	-1.29040
-0.483 - -0.407	-0.44678	-0.40740	-0.47935	-1.23598	-0.76554	-1.29040
-0.558 - -0.483	-0.51760	-0.48345	-0.55159	-1.24588	-0.93451	-1.29040
-0.634 - -0.558	-0.59218	-0.55971	-0.62240	-1.26150	-1.03562	-1.29040
-0.710 - -0.634	-0.66745	-0.63887	-0.71000	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1

### Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.734 - 0.811	0.80849	0.81064	0.80634	1.89844	1.92987	1.86701
0.657 - 0.734	0.69543	0.70986	0.67996	1.53724	1.57848	1.46404
0.580 - 0.657	0.61484	0.64984	0.58464	1.50139	1.84202	1.08384
0.503 - 0.580	0.54608	0.57425	0.51407	1.36906	1.77106	0.98555
0.427 - 0.503	0.46782	0.50184	0.42893	1.25312	1.65655	0.82644
0.350 - 0.427	0.38129	0.41840	0.35154	0.92134	1.26974	0.53897
0.273 - 0.350	0.31017	0.34780	0.27488	0.77363	1.40177	0.37720
0.196 - 0.273	0.22908	0.26086	0.19780	0.56837	0.91488	0.33009
0.119 - 0.196	0.15792	0.18324	0.12020	0.36611	0.65182	0.01250
0.042 - 0.119	0.08292	0.11570	0.04350	0.21831	0.79170	-0.30409
-0.034 - 0.042	-0.00205	0.04113	-0.03331	-0.00005	0.32113	-0.24068
-0.111 - -0.034	-0.07342	-0.03771	-0.10173	-0.19282	0.22515	-0.59657
-0.188 - -0.111	-0.14982	-0.11719	-0.18426	-0.32838	0.17117	-0.93451
-0.265 - -0.188	-0.22452	-0.19608	-0.26066	-0.70127	-0.33103	-1.29040
-0.342 - -0.265	-0.30663	-0.27079	-0.33913	-0.71029	-0.16851	-1.29040
-0.418 - -0.342	-0.38013	-0.34938	-0.41781	-1.06321	-0.32636	-1.29040
-0.495 - -0.418	-0.45600	-0.42070	-0.49269	-1.17828	-0.64842	-1.29040
-0.572 - -0.495	-0.53037	-0.49589	-0.57195	-1.26224	-1.03562	-1.29040
-0.649 - -0.572	-0.60590	-0.58535	-0.62845	-1.29040	-1.29040	-1.29040
-0.726 - -0.649	-0.68605	-0.65374	-0.72564	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1

### Score Distributions

Group=^\_fold\_=4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.855 - 0.938	0.93810	0.93810	0.93810	1.92987	1.92987	1.92987
0.688 - 0.771	0.72642	0.74984	0.69325	1.59312	1.82242	1.43759
0.604 - 0.688	0.65380	0.68637	0.61208	1.44832	1.73571	1.12236
0.520 - 0.604	0.55659	0.59405	0.52075	1.34138	1.84202	0.98555
0.437 - 0.520	0.48592	0.51944	0.44510	1.27957	1.61852	0.88977
0.353 - 0.437	0.39986	0.43616	0.35412	1.01199	1.65655	0.53897
0.270 - 0.353	0.31543	0.35179	0.27369	0.78914	1.24818	0.36155
0.186 - 0.270	0.22200	0.26357	0.18873	0.62912	0.93917	0.18307
0.103 - 0.186	0.14188	0.18538	0.10470	0.37865	0.69704	0.03319
0.019 - 0.103	0.05631	0.10177	0.02047	0.15778	0.57848	-0.24068
-0.064 - 0.019	-0.02171	0.00945	-0.06075	0.08126	0.63414	-0.18592
-0.148 - -0.064	-0.10832	-0.07919	-0.14291	-0.25842	0.17012	-0.93451
-0.231 - -0.148	-0.18511	-0.14979	-0.23030	-0.49584	-0.13485	-1.03562
-0.315 - -0.231	-0.27054	-0.23272	-0.30983	-0.72393	-0.36374	-1.29040
-0.398 - -0.315	-0.34426	-0.31528	-0.39420	-0.94543	-0.32636	-1.29040
-0.482 - -0.398	-0.44216	-0.40004	-0.48065	-1.16510	-0.64842	-1.29040
-0.565 - -0.482	-0.52190	-0.48282	-0.56216	-1.27458	-1.03562	-1.29040
-0.649 - -0.565	-0.61294	-0.57730	-0.64840	-1.29040	-1.29040	-1.29040
-0.732 - -0.649	-0.67775	-0.65451	-0.73238	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1 Score Distributions

Group=^\_fold\_=5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.686 - 0.762	0.73473	0.76171	0.71526	1.74408	1.92987	1.55764
0.610 - 0.686	0.64606	0.67027	0.61401	1.49533	1.82242	1.08384
0.535 - 0.610	0.57197	0.60196	0.53576	1.36716	1.84202	1.08384
0.459 - 0.535	0.49137	0.53054	0.45913	1.20125	1.53621	0.53897
0.383 - 0.459	0.41625	0.45071	0.38562	1.08519	1.65655	0.36845
0.308 - 0.383	0.34698	0.38262	0.30817	0.89517	1.63777	0.61604
0.232 - 0.308	0.26394	0.30613	0.23273	0.60972	0.93917	0.25719
0.156 - 0.232	0.20195	0.22902	0.15845	0.47363	0.76521	0.28418
0.081 - 0.156	0.11683	0.14860	0.08448	0.28657	0.69704	0.00046
0.005 - 0.081	0.04108	0.07678	0.00636	0.12016	0.79170	-0.45852
-0.071 - 0.005	-0.03378	0.00496	-0.06440	-0.03466	0.32113	-0.39330
-0.146 - -0.071	-0.11064	-0.07153	-0.14313	-0.35984	-0.01343	-0.93451
-0.222 - -0.146	-0.19216	-0.16178	-0.21869	-0.41231	0.16052	-0.93451
-0.298 - -0.222	-0.26272	-0.22357	-0.29258	-0.77959	-0.16851	-1.29040
-0.373 - -0.298	-0.33664	-0.29959	-0.37014	-0.99835	-0.40813	-1.29040
-0.449 - -0.373	-0.40295	-0.37470	-0.44356	-1.13210	-0.32636	-1.29040
-0.525 - -0.449	-0.48398	-0.44969	-0.52408	-1.21029	-0.64842	-1.29040
-0.600 - -0.525	-0.55458	-0.52627	-0.59773	-1.27468	-1.09174	-1.29040
-0.676 - -0.600	-0.63961	-0.61897	-0.65770	-1.26739	-1.15235	-1.29040
-0.752 - -0.676	-0.71755	-0.68337	-0.75168	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1 Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.711 - 0.786	0.74994	0.78637	0.71374	1.62508	1.92987	1.46404
0.636 - 0.711	0.67768	0.70624	0.64073	1.59916	1.86701	1.08384
0.561 - 0.636	0.60075	0.63017	0.56397	1.43148	1.73571	1.12236
0.486 - 0.561	0.52167	0.55930	0.49027	1.29192	1.65655	0.85495
0.411 - 0.486	0.44355	0.48069	0.41473	1.18501	1.77106	0.53897
0.336 - 0.411	0.37671	0.40730	0.34078	0.95459	1.51415	0.65182
0.261 - 0.336	0.29570	0.33608	0.26700	0.69550	1.05704	0.36155
0.186 - 0.261	0.23309	0.25335	0.20331	0.49226	0.93917	0.18307
0.112 - 0.186	0.14971	0.18619	0.12009	0.34961	0.65182	0.06635
0.037 - 0.112	0.07232	0.10718	0.04029	0.19471	0.65182	-0.30409
-0.038 - 0.037	0.00205	0.03131	-0.03533	-0.00300	0.30288	-0.24068
-0.113 - -0.038	-0.07368	-0.04446	-0.10569	-0.17749	0.17117	-0.76554
-0.188 - -0.113	-0.15224	-0.11500	-0.18491	-0.43121	-0.02557	-0.93451
-0.263 - -0.188	-0.22823	-0.19256	-0.26016	-0.59731	-0.13485	-1.03562
-0.338 - -0.263	-0.29471	-0.26774	-0.33746	-0.76122	-0.32636	-1.21823
-0.413 - -0.338	-0.37942	-0.34718	-0.40759	-1.16044	-0.62748	-1.29040
-0.488 - -0.413	-0.44026	-0.41557	-0.48130	-1.17632	-0.72860	-1.29040
-0.563 - -0.488	-0.52341	-0.49489	-0.55623	-1.26761	-1.09174	-1.29040
-0.638 - -0.563	-0.58961	-0.56455	-0.62846	-1.29040	-1.29040	-1.29040
-0.713 - -0.638	-0.67217	-0.64415	-0.71332	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1 Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.690 - 0.766	0.74447	0.76567	0.72326	1.57244	1.57848	1.56639
0.615 - 0.690	0.65459	0.67750	0.62563	1.49043	1.73571	1.12236
0.540 - 0.615	0.57602	0.61262	0.54168	1.42644	1.80838	1.08384
0.465 - 0.540	0.50088	0.53952	0.46510	1.23619	1.77106	0.71868
0.389 - 0.465	0.42072	0.45356	0.39721	1.08487	1.65655	0.53897
0.314 - 0.389	0.35191	0.38744	0.31969	0.86045	1.29756	0.36845
0.239 - 0.314	0.27066	0.30432	0.24263	0.65073	1.05704	0.37720
0.164 - 0.239	0.20334	0.23398	0.17229	0.47037	0.79170	0.16562
0.088 - 0.164	0.11758	0.16140	0.09182	0.23162	0.51841	-0.07171
0.013 - 0.088	0.04543	0.08745	0.01344	0.08848	0.57270	-0.24068
-0.062 - 0.013	-0.03719	-0.00622	-0.06166	-0.14369	0.22515	-0.69337
-0.137 - -0.062	-0.09301	-0.06874	-0.13594	-0.25934	0.06480	-0.76554
-0.213 - -0.137	-0.17116	-0.13803	-0.19346	-0.56724	-0.12797	-0.93451
-0.288 - -0.213	-0.25143	-0.21526	-0.28073	-0.76517	-0.32636	-1.29040
-0.363 - -0.288	-0.33138	-0.30339	-0.35607	-0.95608	-0.54790	-1.29040
-0.438 - -0.363	-0.40582	-0.37243	-0.43714	-1.22759	-0.93451	-1.29040
-0.514 - -0.438	-0.46872	-0.43987	-0.51300	-1.22925	-0.64842	-1.29040
-0.589 - -0.514	-0.54597	-0.51827	-0.58240	-1.27726	-1.15235	-1.29040
-0.664 - -0.589	-0.62908	-0.59377	-0.66420	-1.29040	-1.29040	-1.29040
-0.740 - -0.664	-0.69126	-0.66460	-0.73950	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1 Score Distributions

Group=\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.686 - 0.760	0.72538	0.75964	0.69971	1.64712	1.92987	1.31292
0.613 - 0.686	0.66119	0.68224	0.62641	1.54103	1.86701	1.08384
0.539 - 0.613	0.57510	0.60239	0.54725	1.43271	1.73571	1.08384
0.466 - 0.539	0.51408	0.53912	0.46612	1.24499	1.65655	0.53897
0.392 - 0.466	0.42715	0.45463	0.39459	1.13853	1.63777	0.68341
0.319 - 0.392	0.34780	0.39132	0.31930	0.97019	1.40177	0.61604
0.245 - 0.319	0.28405	0.31862	0.24648	0.77535	1.36680	0.36845
0.172 - 0.245	0.21090	0.24353	0.18228	0.51035	0.93917	0.18307
0.099 - 0.172	0.14149	0.17164	0.11077	0.28346	0.79170	-0.07171
0.025 - 0.099	0.06867	0.09428	0.03878	0.20246	0.65182	-0.24068
-0.048 - 0.025	-0.00906	0.02277	-0.04453	0.01601	0.47553	-0.30409
-0.122 - -0.048	-0.08683	-0.05159	-0.12084	-0.27069	0.17012	-0.93451
-0.195 - -0.122	-0.16140	-0.13076	-0.19417	-0.39442	0.17117	-0.72267
-0.269 - -0.195	-0.22577	-0.20165	-0.26032	-0.58143	-0.13485	-1.03562
-0.342 - -0.269	-0.30239	-0.27631	-0.33920	-0.84930	-0.56812	-1.29040
-0.416 - -0.342	-0.38605	-0.34336	-0.41565	-1.12698	-0.40813	-1.29040
-0.489 - -0.416	-0.44697	-0.41609	-0.48501	-1.21248	-0.69337	-1.29040
-0.563 - -0.489	-0.52685	-0.49116	-0.55871	-1.29040	-1.29040	-1.29040
-0.636 - -0.563	-0.58473	-0.56257	-0.62881	-1.24667	-1.03562	-1.29040
-0.709 - -0.636	-0.66236	-0.64326	-0.70948	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1 Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.674 - 0.747	0.69571	0.74687	0.67496	1.70940	1.92987	1.46404
0.602 - 0.674	0.63741	0.67027	0.60900	1.51653	1.82242	1.08384
0.530 - 0.602	0.57626	0.60144	0.54204	1.39204	1.84202	1.12996
0.457 - 0.530	0.49032	0.52416	0.46266	1.22956	1.58869	0.53897
0.385 - 0.457	0.42048	0.45403	0.38567	1.19777	1.77106	0.65182
0.312 - 0.385	0.34187	0.38262	0.31667	0.91626	1.53621	0.36845
0.240 - 0.312	0.27920	0.30817	0.24866	0.66402	1.14698	-0.24068
0.168 - 0.240	0.20642	0.23804	0.17384	0.56103	1.50288	-0.84532
0.095 - 0.168	0.12076	0.16481	0.09558	0.10555	1.43759	-1.29040
0.023 - 0.095	0.05401	0.08811	0.02392	0.19327	1.52157	-1.29040
-0.050 - 0.023	-0.00707	0.02041	-0.03956	-0.02269	1.14199	-1.29040
-0.122 - -0.050	-0.08133	-0.04987	-0.10890	-0.20258	1.13168	-1.29040
-0.194 - -0.122	-0.15154	-0.12458	-0.19040	-0.40265	0.33009	-1.29040
-0.267 - -0.194	-0.22899	-0.20013	-0.26491	-0.59302	-0.13485	-1.29040
-0.339 - -0.267	-0.30469	-0.26774	-0.33774	-0.77083	0.93917	-1.29040
-0.412 - -0.339	-0.37961	-0.33974	-0.40690	-0.95265	0.22515	-1.29040
-0.484 - -0.412	-0.44611	-0.42019	-0.48282	-1.13260	0.79170	-1.29040
-0.556 - -0.484	-0.52416	-0.49050	-0.55429	-1.27913	-1.03562	-1.29040
-0.629 - -0.556	-0.60026	-0.55853	-0.62315	-1.27785	-1.15235	-1.29040
-0.701 - -0.629	-0.66542	-0.64754	-0.70115	-1.29040	-1.29040	-1.29040

## Node=Gradient Boosting Tuned 1 Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	346
2	^(fold_=2)	342
3	^(fold_=3)	337
4	^(fold_=4)	339
5	^(fold_=5)	356
6	^(fold_=6)	342
7	^(fold_=7)	344
8	^(fold_=8)	345

## SAS Enterprise Miner Report

### Node=End Groups Summary

Node id = EndGrp8  
 Node label = End Groups  
 Meta path = Ids => Trans => Grp8 => Boost2 => EndGrp8  
 Notes =

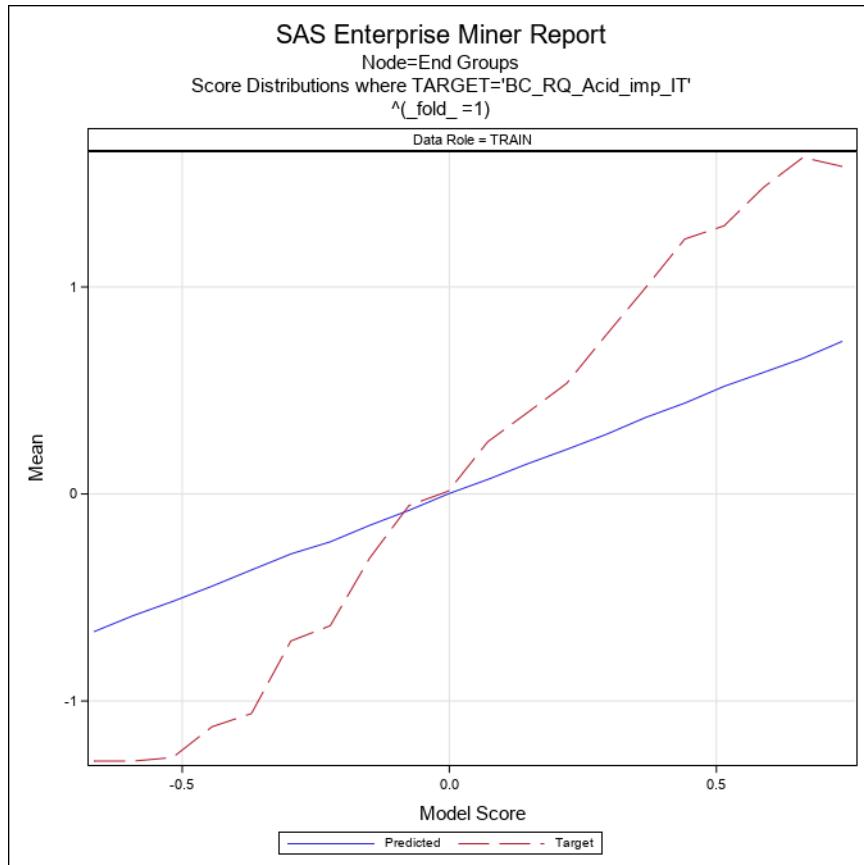
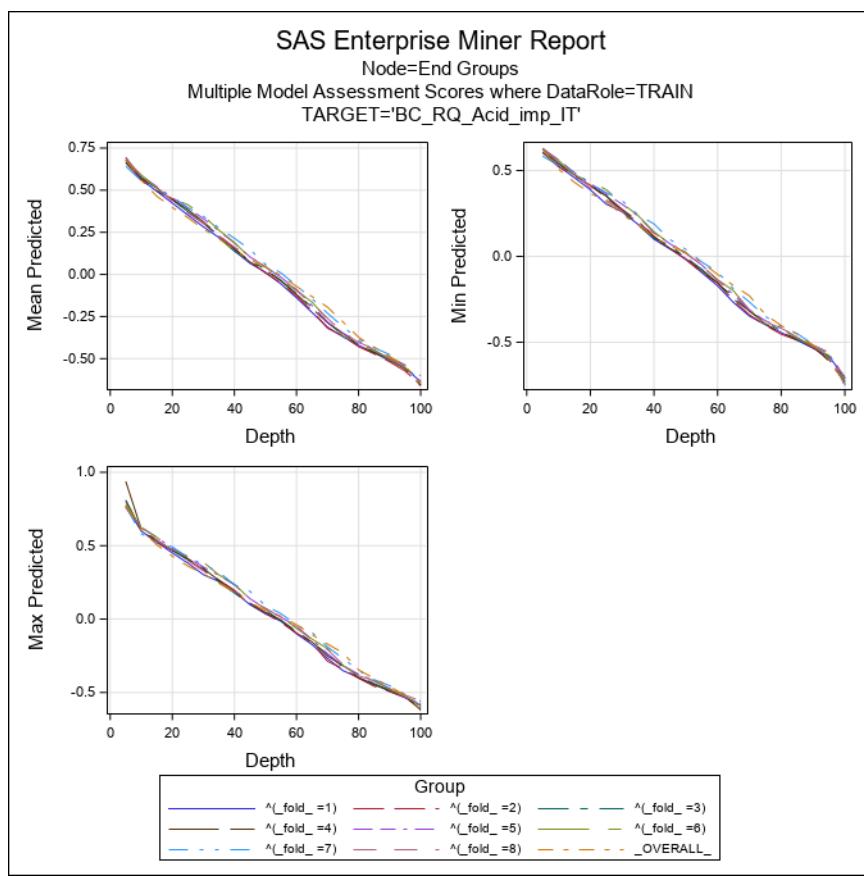
### Node=End Groups Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

### Node=End Groups Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAtot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Group Index	Group	ModelId	Train: Target Variable	Train: Sum of Frequencies	Train: Sum of Case Weights Times Freq	Train: Maximum Absolute Error	Train: Sum of Squared Errors	Train: Average Squared Error	Train: Root Squared Error	Train: Divisor for ASE	Train: Total Degrees of Freedom	Train: Total Target Label
1	^(fold_=1)	Boost2	BC_RQ_Acid_imp_IT	336	336	1.28640	129.527	0.38550	0.62088	336	336	ReQuest (acid subscale) (Box-Cox transformed)
2	^(fold_=2)	Boost2	BC_RQ_Acid_imp_IT	343	343	1.36389	135.555	0.39520	0.62865	343	343	ReQuest (acid subscale) (Box-Cox transformed)
3	^(fold_=3)	Boost2	BC_RQ_Acid_imp_IT	342	342	1.23565	127.874	0.37390	0.61147	342	342	ReQuest (acid subscale) (Box-Cox transformed)
4	^(fold_=4)	Boost2	BC_RQ_Acid_imp_IT	334	334	1.26604	124.297	0.37215	0.61004	334	334	ReQuest (acid subscale) (Box-Cox transformed)
5	^(fold_=5)	Boost2	BC_RQ_Acid_imp_IT	339	339	1.29359	131.651	0.38835	0.62318	339	339	ReQuest (acid subscale) (Box-Cox transformed)
6	^(fold_=6)	Boost2	BC_RQ_Acid_imp_IT	343	343	1.35633	134.402	0.39184	0.62597	343	343	ReQuest (acid subscale) (Box-Cox transformed)
7	^(fold_=7)	Boost2	BC_RQ_Acid_imp_IT	338	338	1.30596	129.041	0.38178	0.61788	338	338	ReQuest (acid subscale) (Box-Cox transformed)
8	^(fold_=8)	Boost2	BC_RQ_Acid_imp_IT	352	352	1.21924	138.110	0.39236	0.62638	352	352	ReQuest (acid subscale) (Box-Cox transformed)
9	_OVERALL_		BC_RQ_Acid_imp_IT	393	.	1.59912	173.300	0.44097	0.66405	393	.	ReQuest (acid subscale) (Box-Cox transformed)

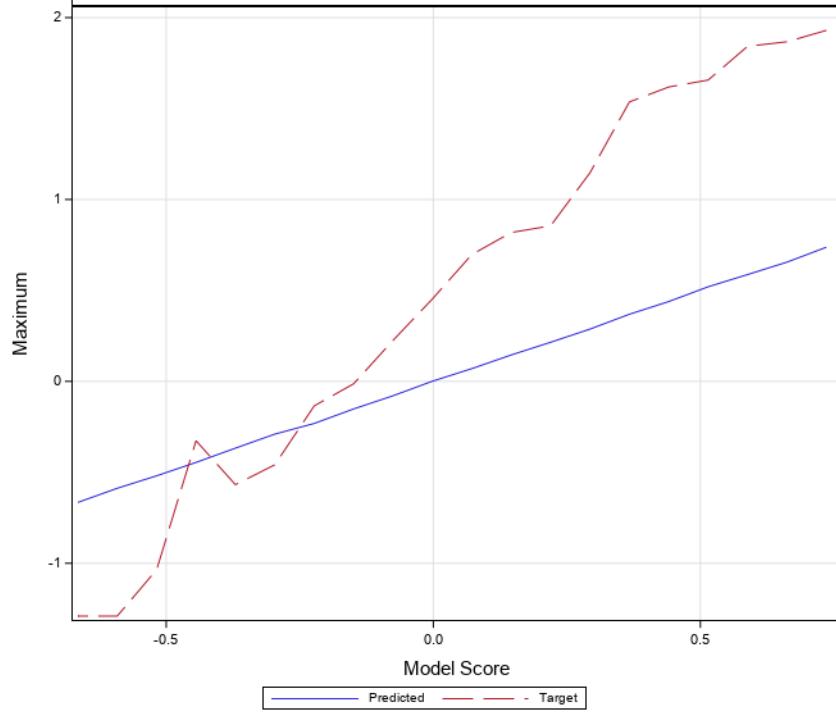


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=1)

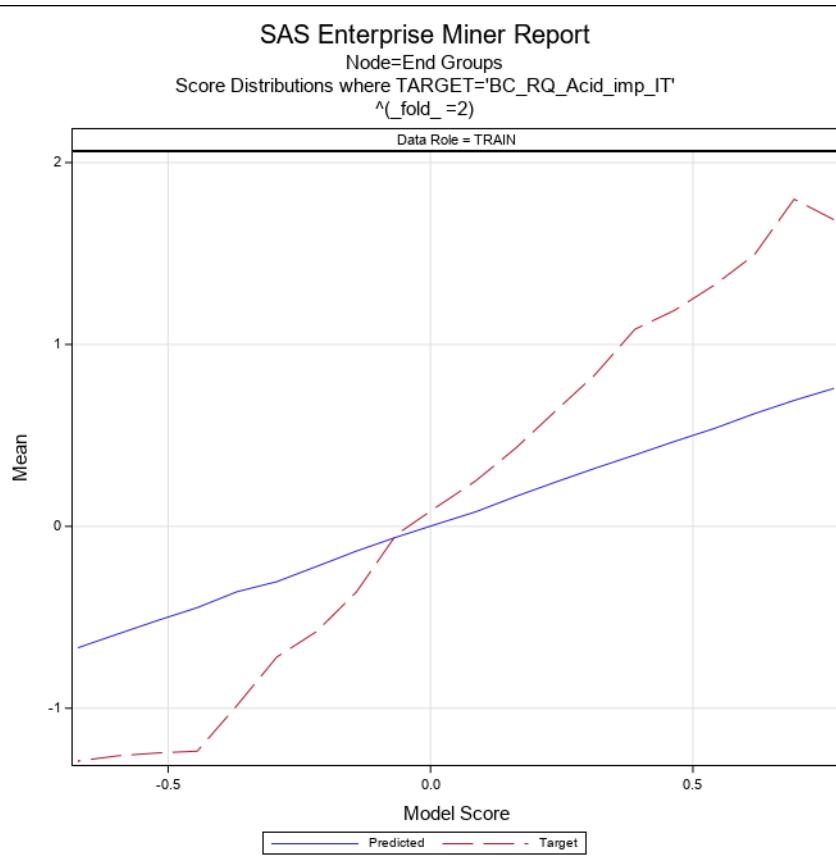
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=2)

Data Role = TRAIN

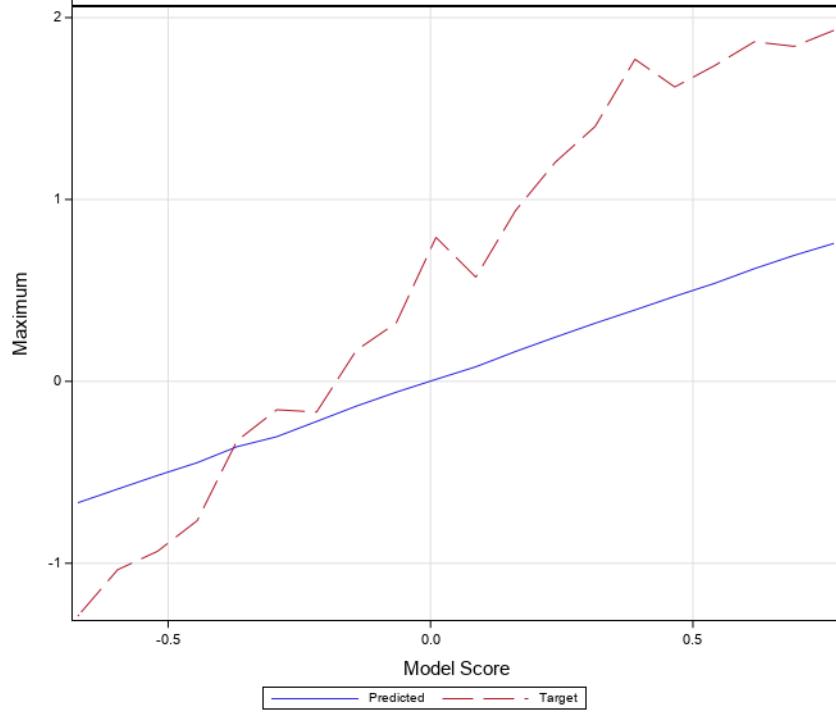


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=2)

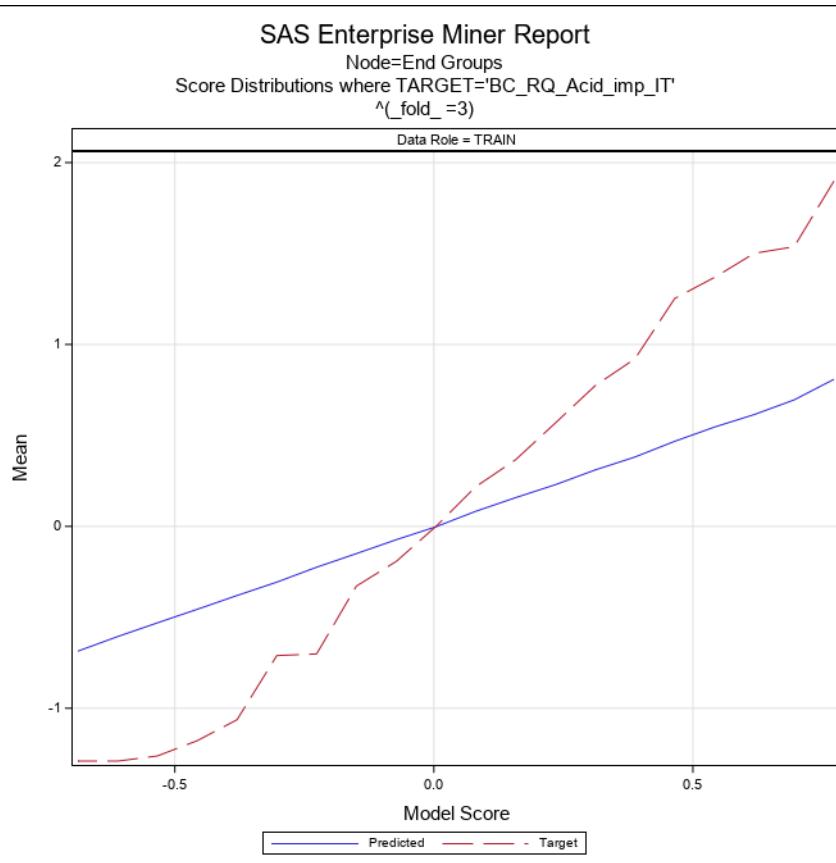
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

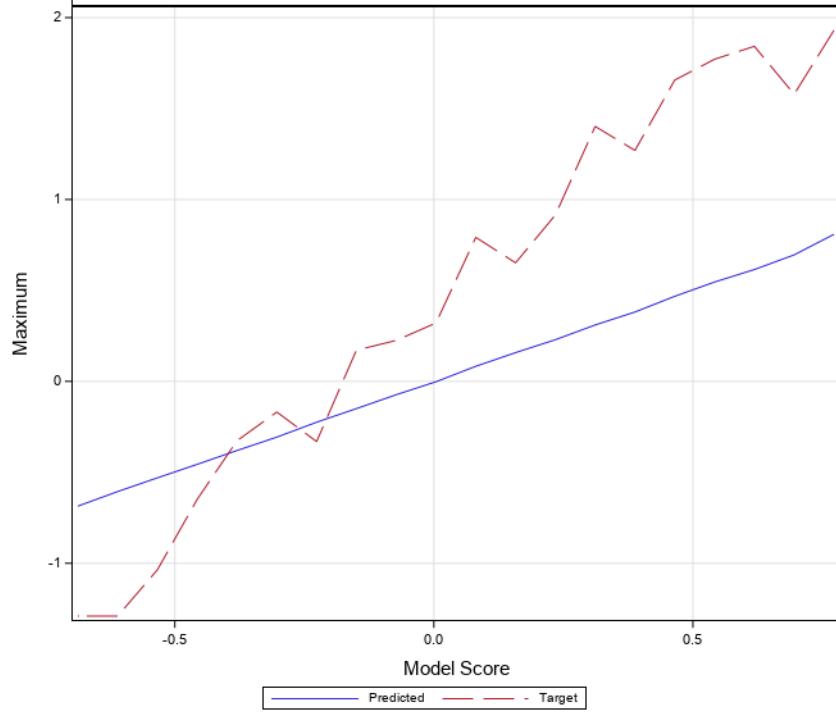


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=3)

Data Role = TRAIN

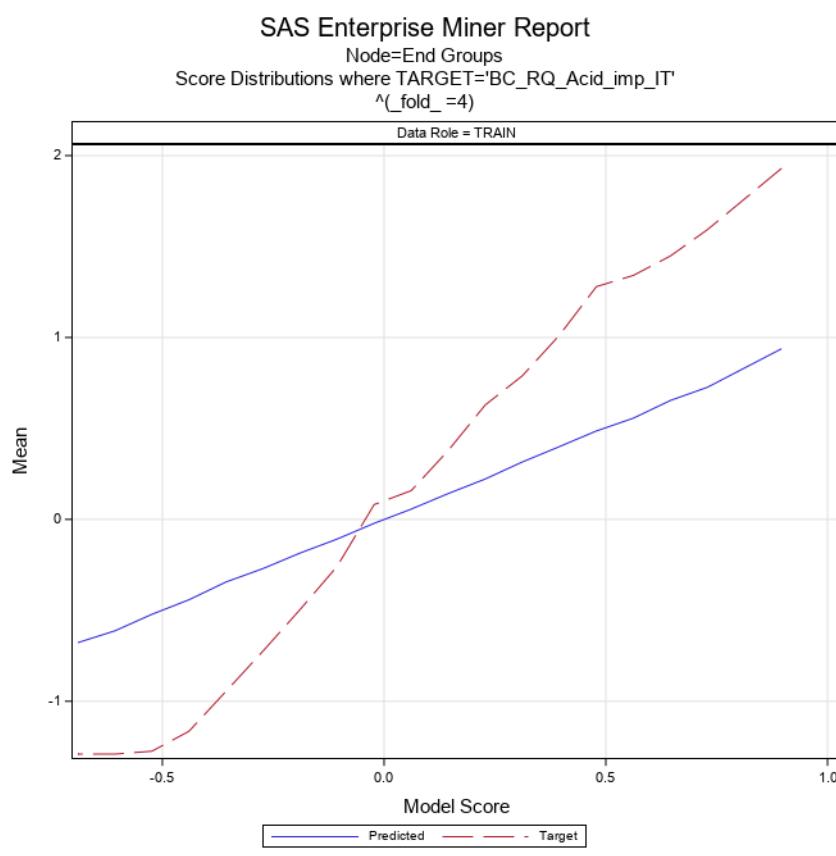


### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

Data Role = TRAIN

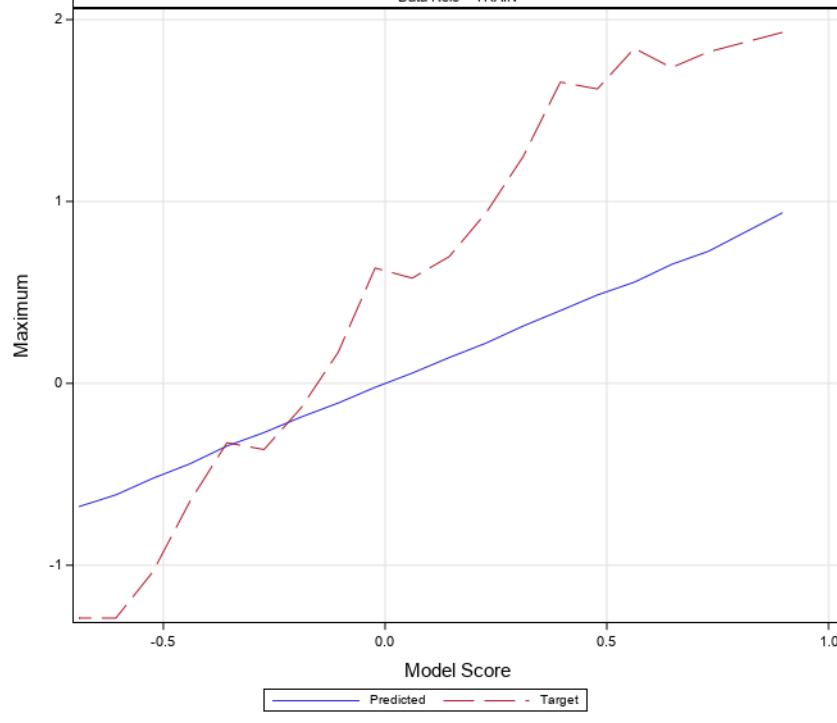


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=4)

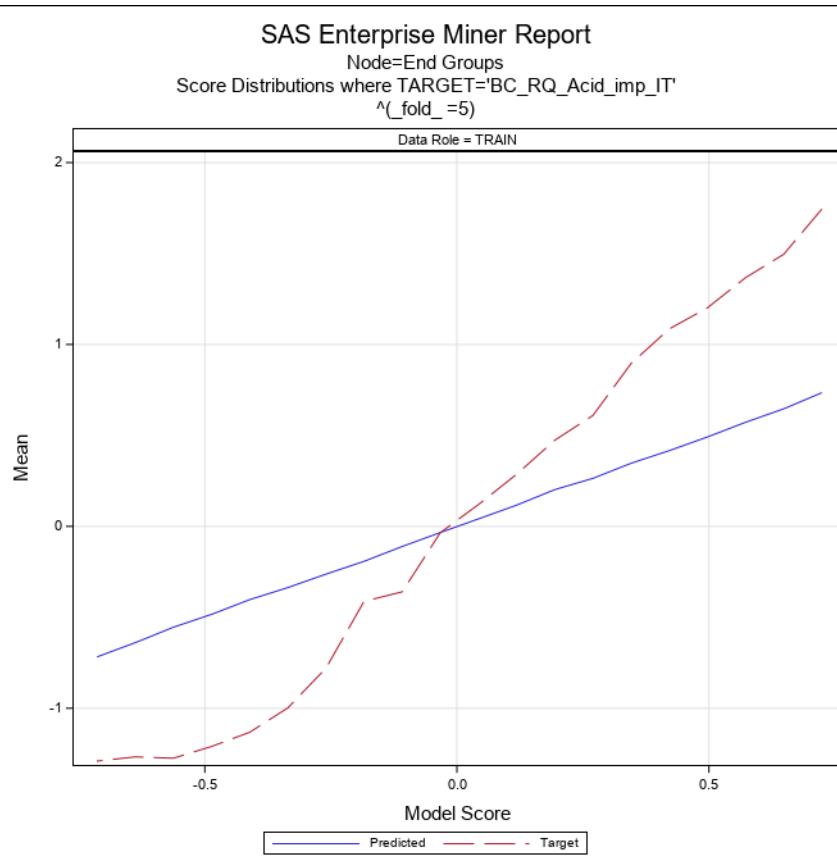
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(fold\_=5)

Data Role = TRAIN

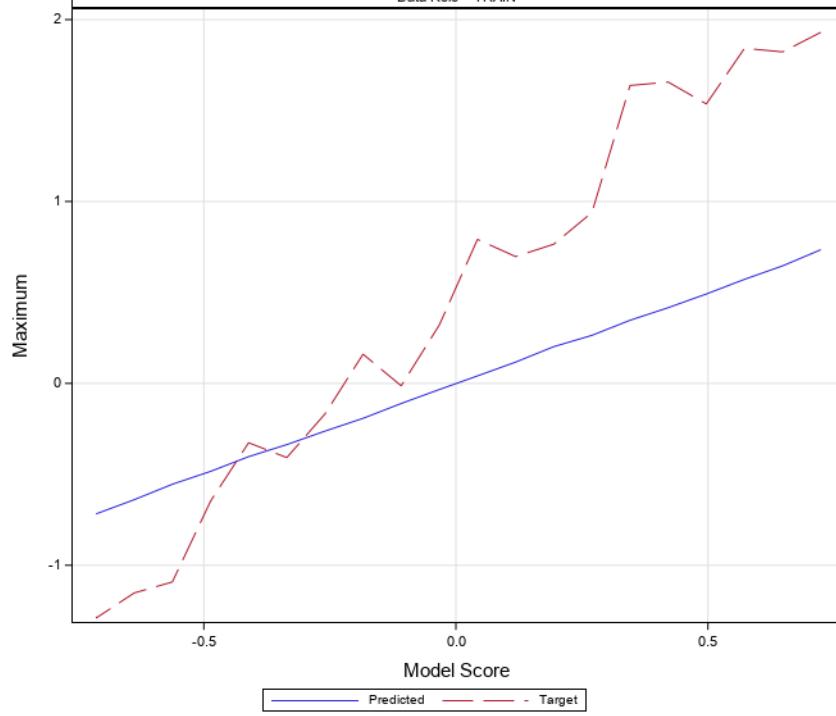


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=5)

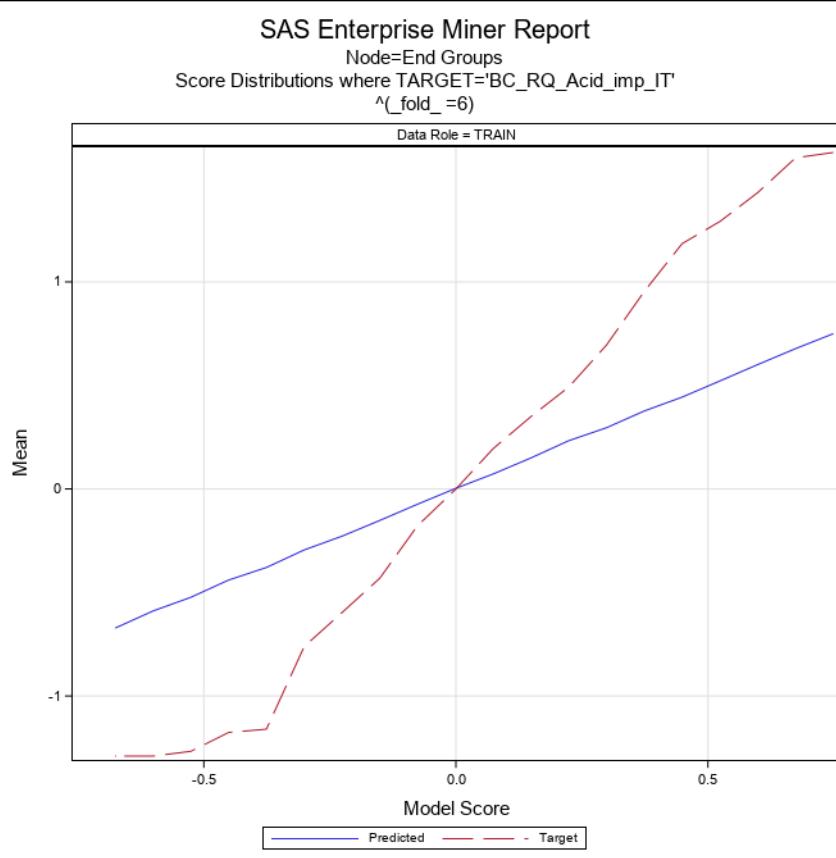
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

Data Role = TRAIN

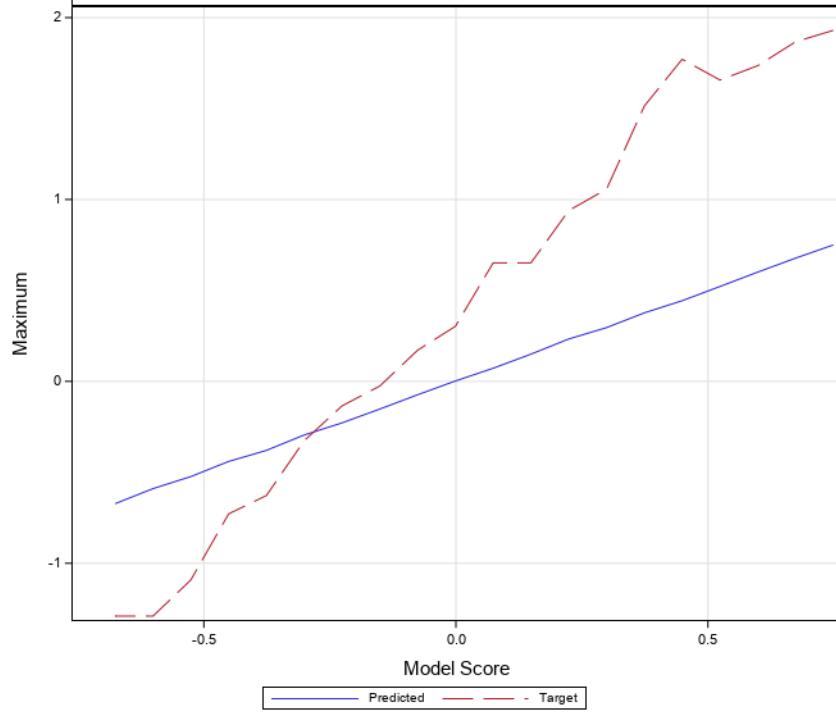


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=6)

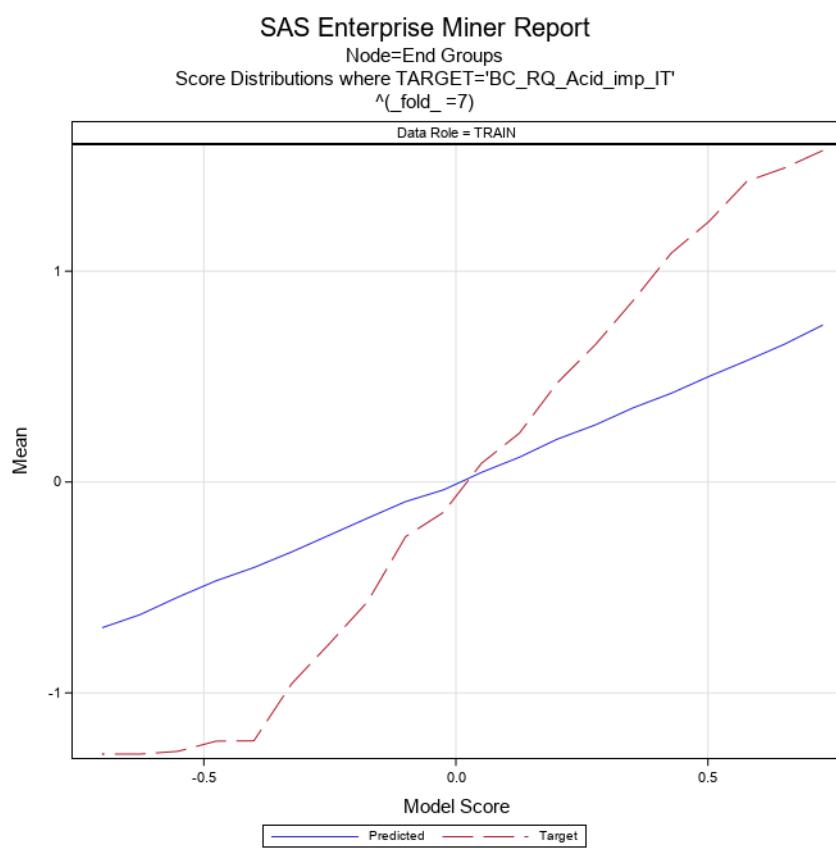
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

Data Role = TRAIN

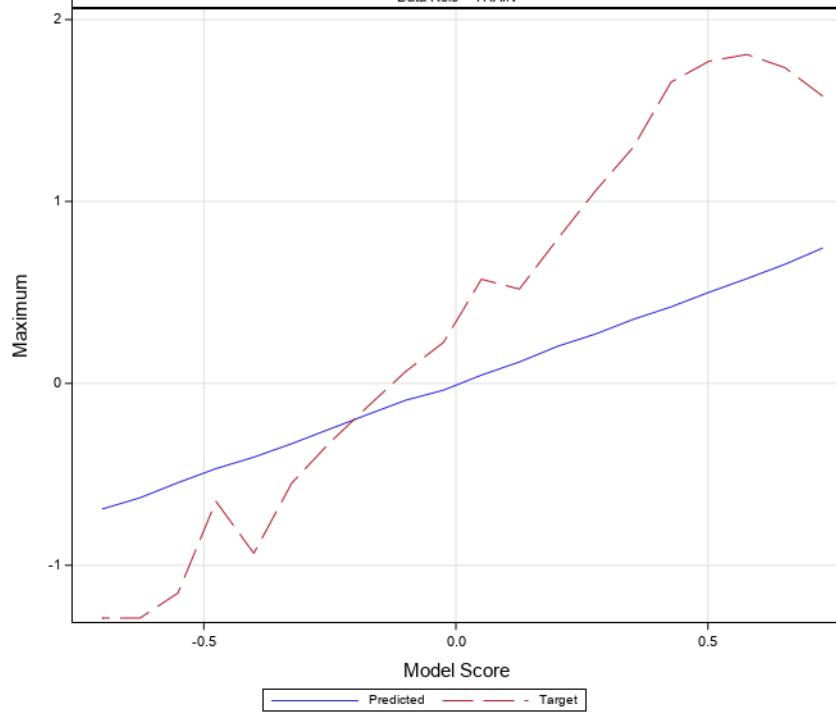


**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=7)

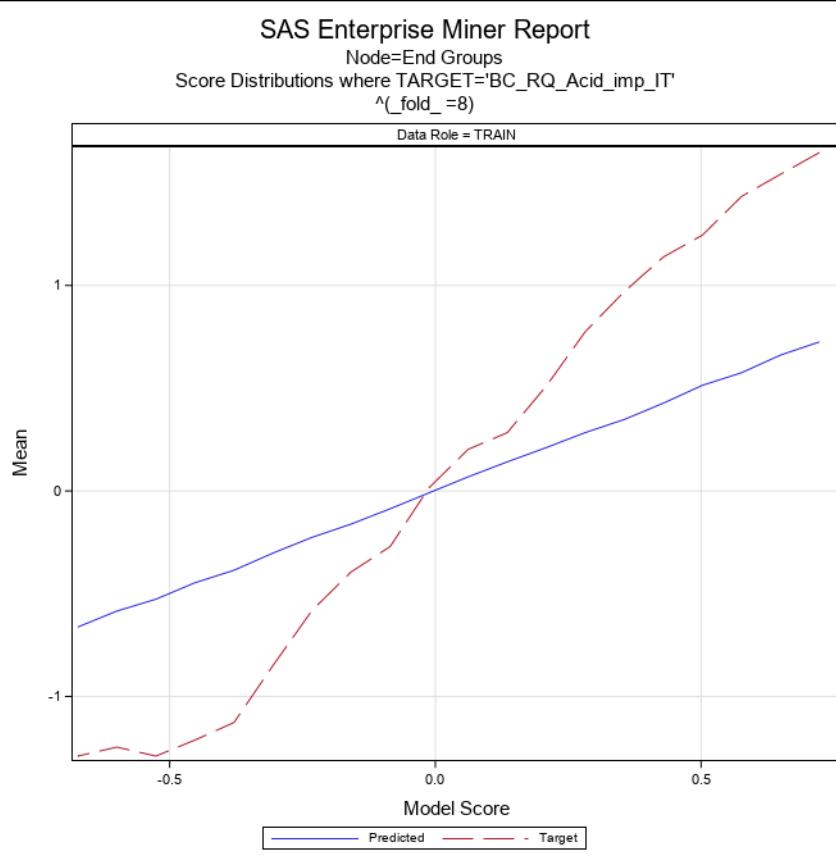
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN



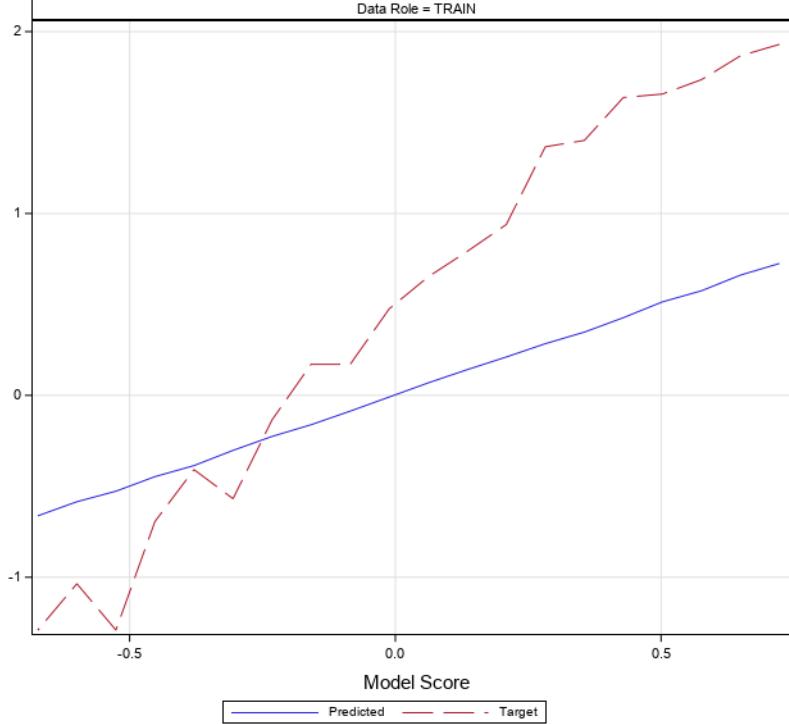
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
^(\_fold\_=8)

Data Role = TRAIN

Maximum



Model Score

Predicted — Target -

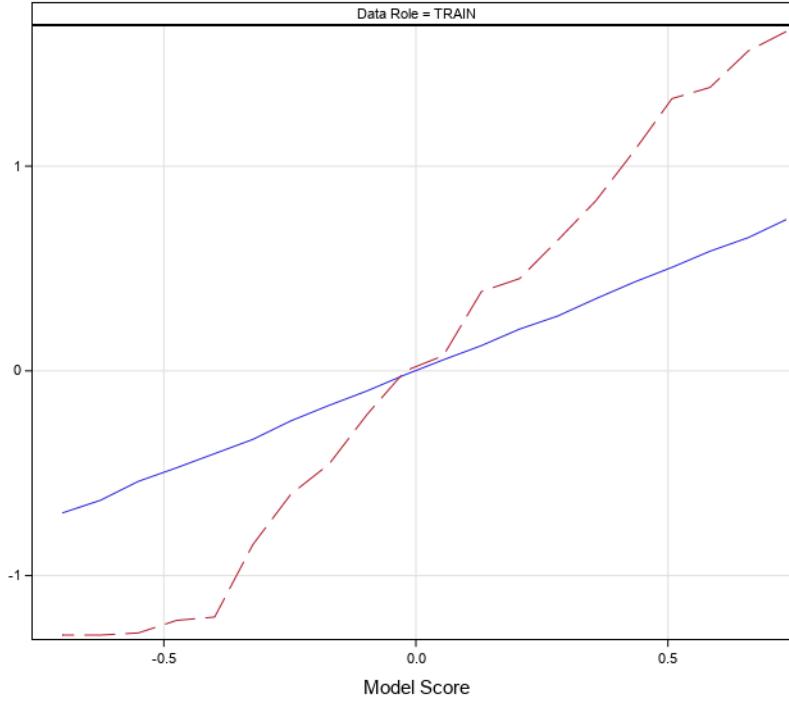
### SAS Enterprise Miner Report

Node=End Groups

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'  
\_OVERALL\_

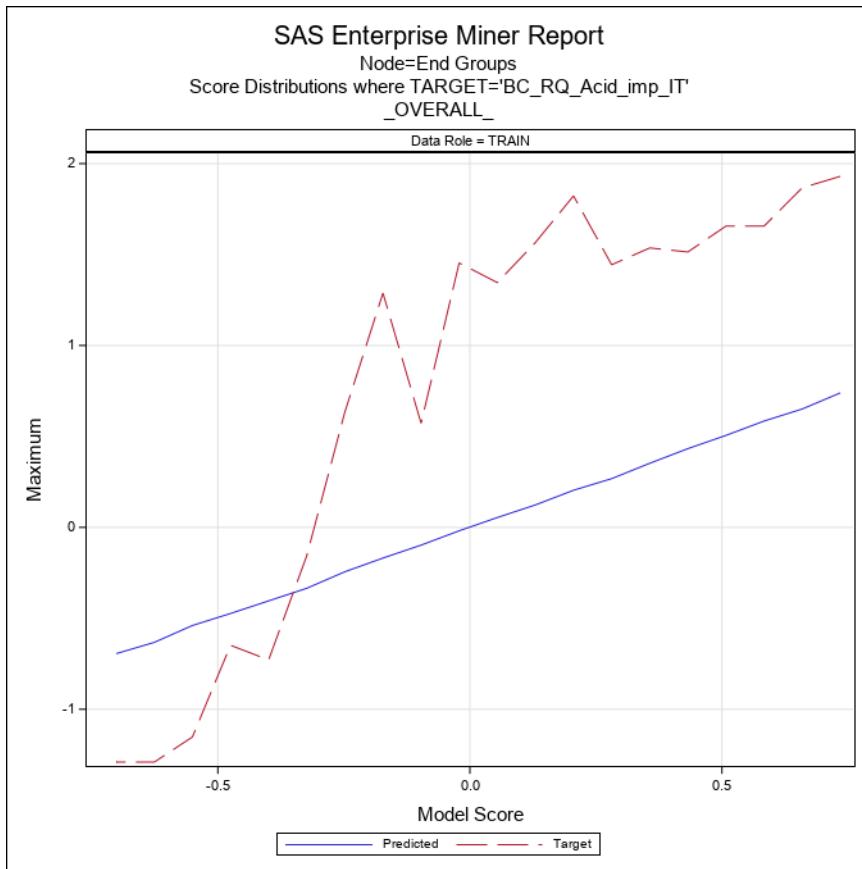
Data Role = TRAIN

Mean



Model Score

Predicted — Target -



### **Node=End Groups Score Distributions**

Group= $\wedge(\text{fold\_} = 1)$  Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.699 - 0.773	0.73750	0.77271	0.70945	1.58187	1.92987	1.30987
0.625 - 0.699	0.65556	0.68085	0.63098	1.62551	1.86701	1.14239
0.551 - 0.625	0.58722	0.62105	0.55563	1.48146	1.84202	1.12236
0.478 - 0.551	0.52006	0.55092	0.47934	1.29543	1.65655	0.86781
0.404 - 0.478	0.43897	0.47399	0.40458	1.23161	1.61852	0.87690
0.330 - 0.404	0.36896	0.39724	0.33042	0.99535	1.53621	0.53897
0.256 - 0.330	0.28746	0.32584	0.25654	0.76715	1.14698	0.33895
0.183 - 0.256	0.21486	0.25478	0.18501	0.53380	0.85495	0.30288
0.109 - 0.183	0.14516	0.18232	0.10958	0.39205	0.81845	0.03319
0.035 - 0.109	0.07007	0.10751	0.03562	0.25235	0.69704	-0.02592
-0.039 - 0.035	0.00081	0.03259	-0.03819	0.01366	0.45315	-0.30409
-0.112 - -0.039	-0.07914	-0.05200	-0.10587	-0.05556	0.22515	-0.59657
-0.186 - -0.112	-0.15170	-0.11340	-0.18231	-0.31008	-0.01343	-0.69337
-0.260 - -0.186	-0.23134	-0.19800	-0.25676	-0.63659	-0.13485	-0.98338
-0.334 - -0.260	-0.28997	-0.26491	-0.33340	-0.71037	-0.45852	-0.93451
-0.407 - -0.334	-0.36721	-0.33414	-0.40690	-1.06089	-0.56812	-1.29040
-0.481 - -0.407	-0.44557	-0.40736	-0.47874	-1.12445	-0.32636	-1.29040
-0.555 - -0.481	-0.51926	-0.48834	-0.55079	-1.27318	-1.03562	-1.29040
-0.629 - -0.555	-0.58776	-0.55668	-0.62553	-1.29040	-1.29040	-1.29040
-0.702 - -0.629	-0.66549	-0.62919	-0.70235	-1.29040	-1.29040	-1.29040

### **Node=End Groups Score Distributions**

Group=^(\_fold\_=2) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.731 - 0.807	0.75864	0.80664	0.73269	1.68571	1.92987	1.54878
0.655 - 0.731	0.69269	0.72798	0.66641	1.79898	1.84202	1.72308
0.579 - 0.655	0.61952	0.65214	0.58977	1.49287	1.86701	1.12996
0.503 - 0.579	0.53877	0.57850	0.50526	1.32721	1.73571	0.98555
0.427 - 0.503	0.46740	0.50227	0.43107	1.18834	1.61852	0.53897
0.352 - 0.427	0.39253	0.42729	0.35517	1.08391	1.77106	0.71868
0.276 - 0.352	0.31967	0.34944	0.28444	0.83511	1.40177	0.36845
0.200 - 0.276	0.24310	0.26808	0.20963	0.63323	1.20526	0.25719
0.124 - 0.200	0.16424	0.19953	0.12833	0.42942	0.93917	-0.16851
0.048 - 0.124	0.08012	0.11694	0.05448	0.25043	0.57270	-0.06021
-0.028 - 0.048	0.01098	0.04733	-0.02314	0.10445	0.79170	-0.45852
-0.103 - -0.028	-0.05953	-0.03115	-0.10134	-0.04618	0.32113	-0.34179
-0.179 - -0.103	-0.13599	-0.10680	-0.16941	-0.36072	0.17117	-0.93451
-0.255 - -0.179	-0.22029	-0.19040	-0.25214	-0.57825	-0.16851	-0.93451
-0.331 - -0.255	-0.30404	-0.25715	-0.33034	-0.71828	-0.15603	-1.29040
-0.407 - -0.331	-0.35931	-0.33196	-0.40281	-0.98443	-0.32636	-1.29040
-0.483 - -0.407	-0.44678	-0.40740	-0.47935	-1.23598	-0.76554	-1.29040
-0.558 - -0.483	-0.51760	-0.48345	-0.55159	-1.24588	-0.93451	-1.29040
-0.634 - -0.558	-0.59218	-0.55971	-0.62240	-1.26150	-1.03562	-1.29040
-0.710 - -0.634	-0.66745	-0.63887	-0.71000	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=3) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.734 - 0.811	0.80849	0.81064	0.80634	1.89844	1.92987	1.86701
0.657 - 0.734	0.69543	0.70986	0.67996	1.53724	1.57848	1.46404
0.580 - 0.657	0.61484	0.64984	0.58464	1.50139	1.84202	1.08384
0.503 - 0.580	0.54608	0.57425	0.51407	1.36906	1.77106	0.98555
0.427 - 0.503	0.46782	0.50184	0.42893	1.25312	1.65655	0.82644
0.350 - 0.427	0.38129	0.41840	0.35154	0.92134	1.26974	0.53897
0.273 - 0.350	0.31017	0.34780	0.27488	0.77363	1.40177	0.37720
0.196 - 0.273	0.22908	0.26086	0.19780	0.56837	0.91488	0.33009
0.119 - 0.196	0.15792	0.18324	0.12020	0.36611	0.65182	0.01250
0.042 - 0.119	0.08292	0.11570	0.04350	0.21831	0.79170	-0.30409
-0.034 - 0.042	-0.00205	0.04113	-0.03331	-0.00005	0.32113	-0.24068
-0.111 - -0.034	-0.07342	-0.03771	-0.10173	-0.19282	0.22515	-0.59657
-0.188 - -0.111	-0.14982	-0.11719	-0.18426	-0.32838	0.17117	-0.93451
-0.265 - -0.188	-0.22452	-0.19608	-0.26066	-0.70127	-0.33103	-1.29040
-0.342 - -0.265	-0.30663	-0.27079	-0.33913	-0.71029	-0.16851	-1.29040
-0.418 - -0.342	-0.38013	-0.34938	-0.41781	-1.06321	-0.32636	-1.29040
-0.495 - -0.418	-0.45600	-0.42070	-0.49269	-1.17828	-0.64842	-1.29040
-0.572 - -0.495	-0.53037	-0.49589	-0.57195	-1.26224	-1.03562	-1.29040
-0.649 - -0.572	-0.60590	-0.58535	-0.62845	-1.29040	-1.29040	-1.29040
-0.726 - -0.649	-0.68605	-0.65374	-0.72564	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =4) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.855 - 0.938	0.93810	0.93810	0.93810	1.92987	1.92987	1.92987
0.688 - 0.771	0.72642	0.74984	0.69325	1.59312	1.82242	1.43759
0.604 - 0.688	0.65380	0.68637	0.61208	1.44832	1.73571	1.12236
0.520 - 0.604	0.55659	0.59405	0.52075	1.34138	1.84202	0.98555
0.437 - 0.520	0.48592	0.51944	0.44510	1.27957	1.61852	0.88977
0.353 - 0.437	0.39986	0.43616	0.35412	1.01199	1.65655	0.53897
0.270 - 0.353	0.31543	0.35179	0.27369	0.78914	1.24818	0.36155
0.186 - 0.270	0.22200	0.26357	0.18873	0.62912	0.93917	0.18307
0.103 - 0.186	0.14188	0.18538	0.10470	0.37865	0.69704	0.03319
0.019 - 0.103	0.05631	0.10177	0.02047	0.15778	0.57848	-0.24068
-0.064 - 0.019	-0.02171	0.00945	-0.06075	0.08126	0.63414	-0.18592
-0.148 - -0.064	-0.10832	-0.07919	-0.14291	-0.25842	0.17012	-0.93451
-0.231 - -0.148	-0.18511	-0.14979	-0.23030	-0.49584	-0.13485	-1.03562
-0.315 - -0.231	-0.27054	-0.23272	-0.30983	-0.72393	-0.36374	-1.29040
-0.398 - -0.315	-0.34426	-0.31528	-0.39420	-0.94543	-0.32636	-1.29040
-0.482 - -0.398	-0.44216	-0.40004	-0.48065	-1.16510	-0.64842	-1.29040
-0.565 - -0.482	-0.52190	-0.48282	-0.56216	-1.27458	-1.03562	-1.29040
-0.649 - -0.565	-0.61294	-0.57730	-0.64840	-1.29040	-1.29040	-1.29040
-0.732 - -0.649	-0.67775	-0.65451	-0.73238	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_ =5) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.686 - 0.762	0.73473	0.76171	0.71526	1.74408	1.92987	1.55764
0.610 - 0.686	0.64606	0.67027	0.61401	1.49533	1.82242	1.08384
0.535 - 0.610	0.57197	0.60196	0.53576	1.36716	1.84202	1.08384
0.459 - 0.535	0.49137	0.53054	0.45913	1.20125	1.53621	0.53897
0.383 - 0.459	0.41625	0.45071	0.38562	1.08519	1.65655	0.36845
0.308 - 0.383	0.34698	0.38262	0.30817	0.89517	1.63777	0.61604
0.232 - 0.308	0.26394	0.30613	0.23273	0.60972	0.93917	0.25719
0.156 - 0.232	0.20195	0.22902	0.15845	0.47363	0.76521	0.28418
0.081 - 0.156	0.11683	0.14860	0.08448	0.28657	0.69704	0.00046
0.005 - 0.081	0.04108	0.07678	0.00636	0.12016	0.79170	-0.45852
-0.071 - 0.005	-0.03378	0.00496	-0.06440	-0.03466	0.32113	-0.39330
-0.146 - -0.071	-0.11064	-0.07153	-0.14313	-0.35984	-0.01343	-0.93451
-0.222 - -0.146	-0.19216	-0.16178	-0.21869	-0.41231	0.16052	-0.93451
-0.298 - -0.222	-0.26272	-0.22357	-0.29258	-0.77959	-0.16851	-1.29040
-0.373 - -0.298	-0.33664	-0.29959	-0.37014	-0.99835	-0.40813	-1.29040
-0.449 - -0.373	-0.40295	-0.37470	-0.44356	-1.13210	-0.32636	-1.29040
-0.525 - -0.449	-0.48398	-0.44969	-0.52408	-1.21029	-0.64842	-1.29040
-0.600 - -0.525	-0.55458	-0.52627	-0.59773	-1.27468	-1.09174	-1.29040
-0.676 - -0.600	-0.63961	-0.61897	-0.65770	-1.26739	-1.15235	-1.29040
-0.752 - -0.676	-0.71755	-0.68337	-0.75168	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=6) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.711 - 0.786	0.74994	0.78637	0.71374	1.62508	1.92987	1.46404
0.636 - 0.711	0.67768	0.70624	0.64073	1.59916	1.86701	1.08384
0.561 - 0.636	0.60075	0.63017	0.56397	1.43148	1.73571	1.12236
0.486 - 0.561	0.52167	0.55930	0.49027	1.29192	1.65655	0.85495
0.411 - 0.486	0.44355	0.48069	0.41473	1.18501	1.77106	0.53897
0.336 - 0.411	0.37671	0.40730	0.34078	0.95459	1.51415	0.65182
0.261 - 0.336	0.29570	0.33608	0.26700	0.69550	1.05704	0.36155
0.186 - 0.261	0.23309	0.25335	0.20331	0.49226	0.93917	0.18307
0.112 - 0.186	0.14971	0.18619	0.12009	0.34961	0.65182	0.06635
0.037 - 0.112	0.07232	0.10718	0.04029	0.19471	0.65182	-0.30409
-0.038 - 0.037	0.00205	0.03131	-0.03533	-0.00300	0.30288	-0.24068
-0.113 - -0.038	-0.07368	-0.04446	-0.10569	-0.17749	0.17117	-0.76554
-0.188 - -0.113	-0.15224	-0.11500	-0.18491	-0.43121	-0.02557	-0.93451
-0.263 - -0.188	-0.22823	-0.19256	-0.26016	-0.59731	-0.13485	-1.03562
-0.338 - -0.263	-0.29471	-0.26774	-0.33746	-0.76122	-0.32636	-1.21823
-0.413 - -0.338	-0.37942	-0.34718	-0.40759	-1.16044	-0.62748	-1.29040
-0.488 - -0.413	-0.44026	-0.41557	-0.48130	-1.17632	-0.72860	-1.29040
-0.563 - -0.488	-0.52341	-0.49489	-0.55623	-1.26761	-1.09174	-1.29040
-0.638 - -0.563	-0.58961	-0.56455	-0.62846	-1.29040	-1.29040	-1.29040
-0.713 - -0.638	-0.67217	-0.64415	-0.71332	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=^(\_fold\_=7) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.690 - 0.766	0.74447	0.76567	0.72326	1.57244	1.57848	1.56639
0.615 - 0.690	0.65459	0.67750	0.62563	1.49043	1.73571	1.12236
0.540 - 0.615	0.57602	0.61262	0.54168	1.42644	1.80838	1.08384
0.465 - 0.540	0.50088	0.53952	0.46510	1.23619	1.77106	0.71868
0.389 - 0.465	0.42072	0.45356	0.39721	1.08487	1.65655	0.53897
0.314 - 0.389	0.35191	0.38744	0.31969	0.86045	1.29756	0.36845
0.239 - 0.314	0.27066	0.30432	0.24263	0.65073	1.05704	0.37720
0.164 - 0.239	0.20334	0.23398	0.17229	0.47037	0.79170	0.16562
0.088 - 0.164	0.11758	0.16140	0.09182	0.23162	0.51841	-0.07171
0.013 - 0.088	0.04543	0.08745	0.01344	0.08848	0.57270	-0.24068
-0.062 - 0.013	-0.03719	-0.00622	-0.06166	-0.14369	0.22515	-0.69337
-0.137 - -0.062	-0.09301	-0.06874	-0.13594	-0.25934	0.06480	-0.76554
-0.213 - -0.137	-0.17116	-0.13803	-0.19346	-0.56724	-0.12797	-0.93451
-0.288 - -0.213	-0.25143	-0.21526	-0.28073	-0.76517	-0.32636	-1.29040
-0.363 - -0.288	-0.33138	-0.30339	-0.35607	-0.95608	-0.54790	-1.29040
-0.438 - -0.363	-0.40582	-0.37243	-0.43714	-1.22759	-0.93451	-1.29040
-0.514 - -0.438	-0.46872	-0.43987	-0.51300	-1.22925	-0.64842	-1.29040
-0.589 - -0.514	-0.54597	-0.51827	-0.58240	-1.27726	-1.15235	-1.29040
-0.664 - -0.589	-0.62908	-0.59377	-0.66420	-1.29040	-1.29040	-1.29040
-0.740 - -0.664	-0.69126	-0.66460	-0.73950	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_fold\_=8) Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.686 - 0.760	0.72538	0.75964	0.69971	1.64712	1.92987	1.31292
0.613 - 0.686	0.66119	0.68224	0.62641	1.54103	1.86701	1.08384
0.539 - 0.613	0.57510	0.60239	0.54725	1.43271	1.73571	1.08384
0.466 - 0.539	0.51408	0.53912	0.46612	1.24499	1.65655	0.53897
0.392 - 0.466	0.42715	0.45463	0.39459	1.13853	1.63777	0.68341
0.319 - 0.392	0.34780	0.39132	0.31930	0.97019	1.40177	0.61604
0.245 - 0.319	0.28405	0.31862	0.24648	0.77535	1.36680	0.36845
0.172 - 0.245	0.21090	0.24353	0.18228	0.51035	0.93917	0.18307
0.099 - 0.172	0.14149	0.17164	0.11077	0.28346	0.79170	-0.07171
0.025 - 0.099	0.06867	0.09428	0.03878	0.20246	0.65182	-0.24068
-0.048 - 0.025	-0.00906	0.02277	-0.04453	0.01601	0.47553	-0.30409
-0.122 - -0.048	-0.08683	-0.05159	-0.12084	-0.27069	0.17012	-0.93451
-0.195 - -0.122	-0.16140	-0.13076	-0.19417	-0.39442	0.17117	-0.72267
-0.269 - -0.195	-0.22577	-0.20165	-0.26032	-0.58143	-0.13485	-1.03562
-0.342 - -0.269	-0.30239	-0.27631	-0.33920	-0.84930	-0.56812	-1.29040
-0.416 - -0.342	-0.38605	-0.34336	-0.41565	-1.12698	-0.40813	-1.29040
-0.489 - -0.416	-0.44697	-0.41609	-0.48501	-1.21248	-0.69337	-1.29040
-0.563 - -0.489	-0.52685	-0.49116	-0.55871	-1.29040	-1.29040	-1.29040
-0.636 - -0.563	-0.58473	-0.56257	-0.62881	-1.24667	-1.03562	-1.29040
-0.709 - -0.636	-0.66236	-0.64326	-0.70948	-1.29040	-1.29040	-1.29040

## Node=End Groups Score Distributions

Group=\_OVERALL\_ Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.697 - 0.773	0.73940	0.77271	0.70200	1.65772	1.92987	1.30987
0.621 - 0.697	0.65076	0.68224	0.62185	1.56243	1.86701	1.31292
0.546 - 0.621	0.58465	0.60910	0.56085	1.38472	1.65655	1.08384
0.470 - 0.546	0.50570	0.53992	0.47471	1.32976	1.65655	0.98555
0.395 - 0.470	0.43283	0.46221	0.39883	1.07228	1.51415	-0.69337
0.319 - 0.395	0.35243	0.39254	0.31956	0.83053	1.53621	-1.21823
0.243 - 0.319	0.26781	0.30890	0.24397	0.63765	1.44384	-1.29040
0.168 - 0.243	0.20409	0.24158	0.17157	0.45057	1.82242	-1.29040
0.092 - 0.168	0.12345	0.15417	0.09450	0.38750	1.56639	-1.29040
0.017 - 0.092	0.05404	0.09082	0.01791	0.07433	1.34565	-1.29040
-0.059 - 0.017	-0.01878	0.01414	-0.05252	-0.00023	1.45401	-1.29040
-0.135 - -0.059	-0.09769	-0.06418	-0.12999	-0.21270	0.57270	-1.29040
-0.210 - -0.135	-0.16871	-0.13567	-0.20480	-0.45602	1.28782	-1.15235
-0.286 - -0.210	-0.24409	-0.21100	-0.28073	-0.60242	0.63414	-1.29040
-0.361 - -0.286	-0.33485	-0.29883	-0.36128	-0.84944	-0.15603	-1.29040
-0.437 - -0.361	-0.40408	-0.36720	-0.43683	-1.20221	-0.72860	-1.29040
-0.513 - -0.437	-0.47348	-0.44186	-0.51170	-1.21870	-0.64842	-1.29040
-0.588 - -0.513	-0.53942	-0.51730	-0.58827	-1.27989	-1.15235	-1.29040
-0.664 - -0.588	-0.63232	-0.59773	-0.66279	-1.29040	-1.29040	-1.29040
-0.740 - -0.664	-0.69425	-0.66420	-0.73950	-1.29040	-1.29040	-1.29040

## Node=End Groups Summary

Group Index	Group	Frequency Count
1	^(fold_=1)	346
2	^(fold_=2)	342
3	^(fold_=3)	337
4	^(fold_=4)	339
5	^(fold_=5)	356
6	^(fold_=6)	342
7	^(fold_=7)	344
8	^(fold_=8)	345

## SAS Enterprise Miner Report

### Node=Model Import GradBoost Tuned 3 Summary

Node id = Mdllmp10  
 Node label = Model Import GradBoost Tuned 3  
 Meta path = Ids => Trans => Grp11 => Boost5 => EndGrp11 => Mdllmp10  
 Notes =

### Node=Model Import GradBoost Tuned 3 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import GradBoost Tuned 3 Variable Summary

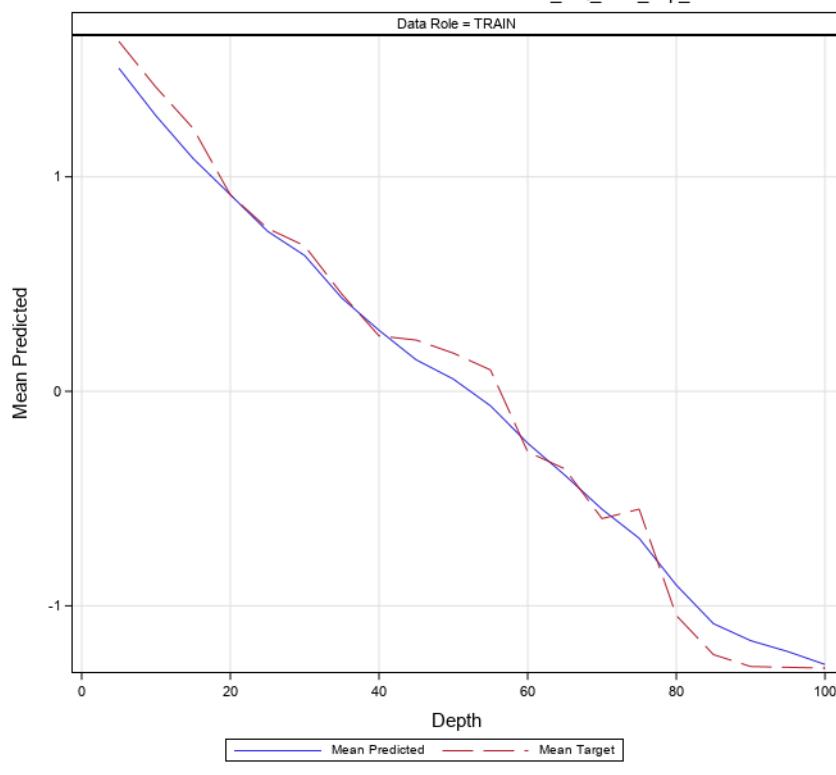
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import GradBoost Tuned 3 Model Fit Statistics

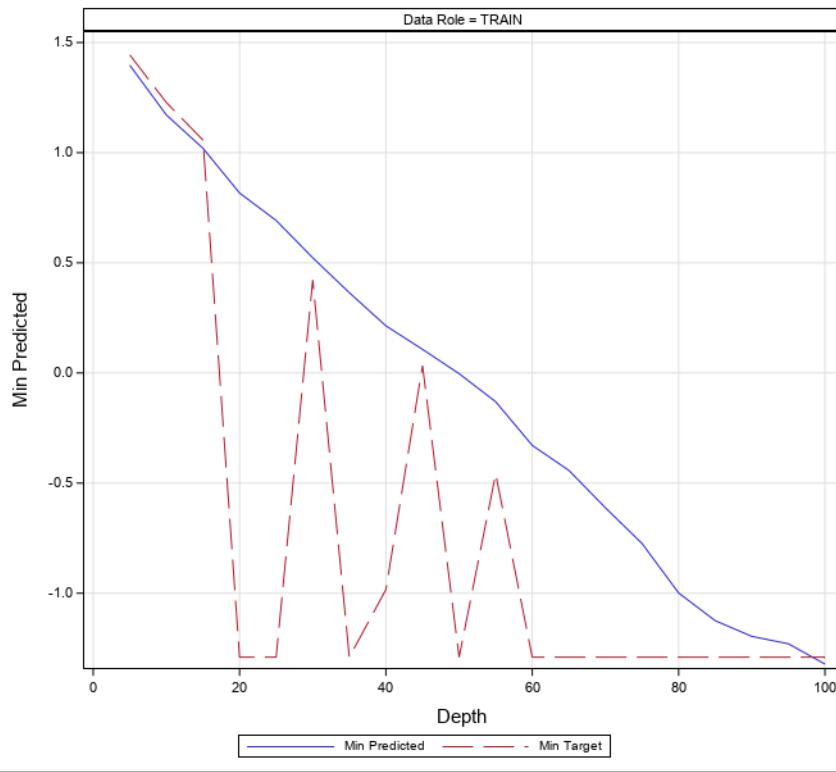
Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

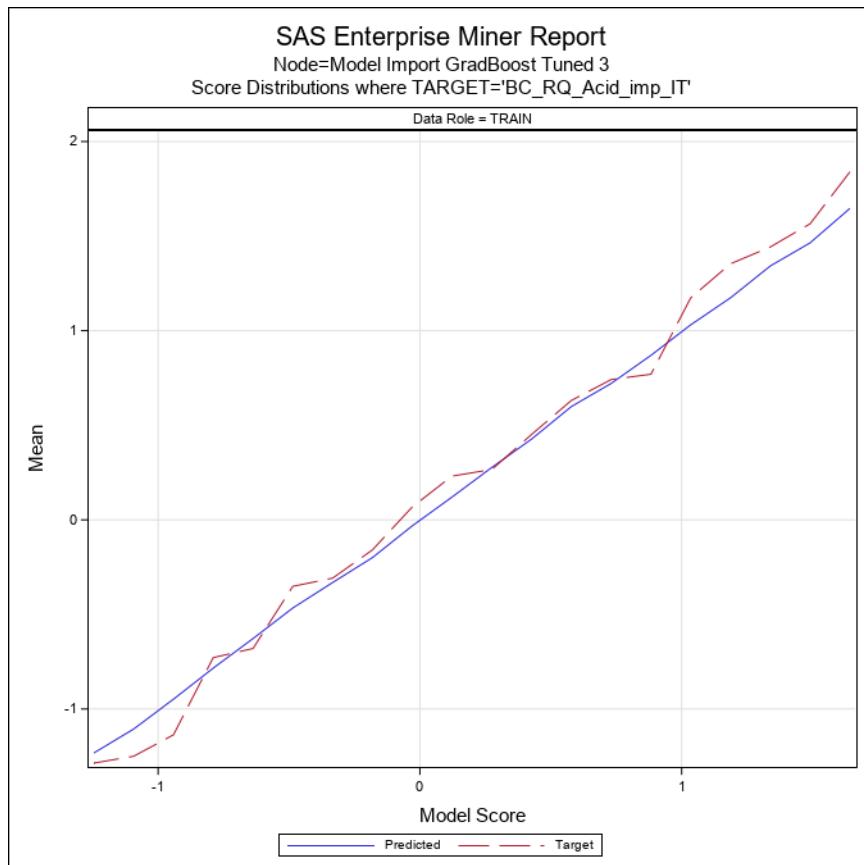
Label of Statistic	Train	Validation	Test
Average Squared Error	0.162	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	1.988	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.402	.	.
Sum of Squared Errors	63.666	.	.

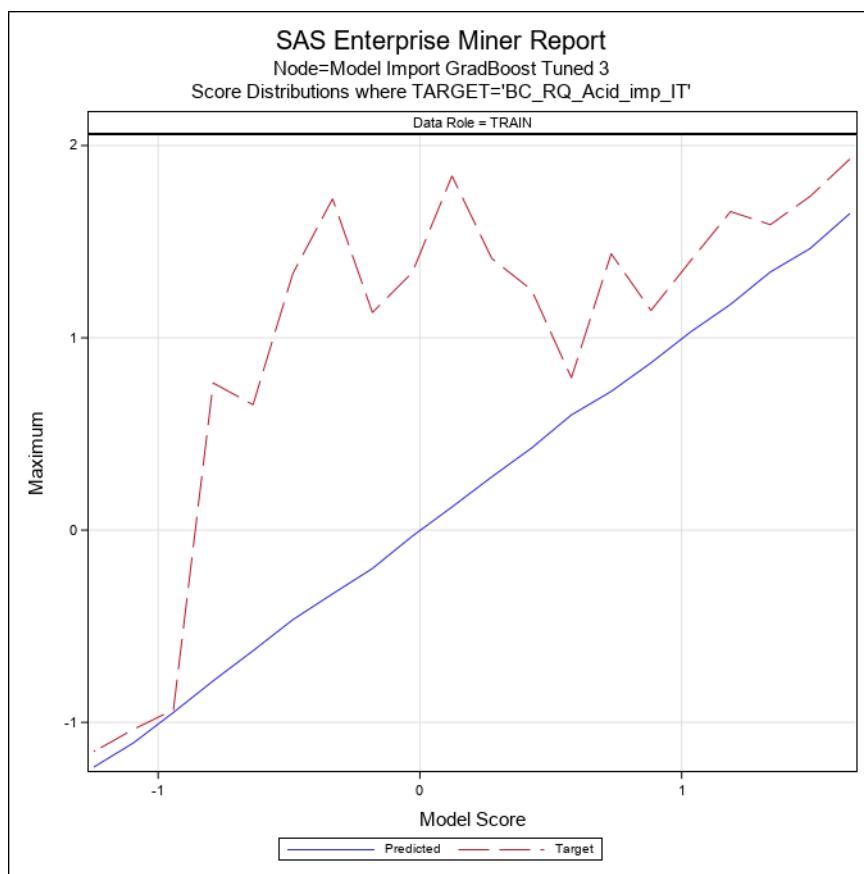
SAS Enterprise Miner Report  
Node=Model Import GradBoost Tuned 3  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'



SAS Enterprise Miner Report  
Node=Model Import GradBoost Tuned 3  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'







### Node=Model Import GradBoost Tuned 3

#### Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.567 - 1.719	1.64669	1.71881	1.58735	1.83975	1.92987	1.77106
1.415 - 1.567	1.46442	1.52947	1.41728	1.56530	1.73571	1.44384
1.263 - 1.415	1.34230	1.39698	1.29708	1.44258	1.58869	1.33863
1.111 - 1.263	1.17394	1.24024	1.11405	1.35377	1.65655	1.08384
0.959 - 1.111	1.03116	1.10826	0.96397	1.17386	1.40177	0.98555
0.807 - 0.959	0.86970	0.95678	0.81272	0.76977	1.14199	-1.29040
0.655 - 0.807	0.72115	0.79551	0.66605	0.74170	1.43759	-1.29040
0.503 - 0.655	0.59888	0.65206	0.51575	0.63106	0.79170	0.40641
0.351 - 0.503	0.42676	0.49601	0.35549	0.45139	1.24885	-1.29040
0.199 - 0.351	0.27683	0.34920	0.19886	0.26599	1.41251	-0.98338
0.047 - 0.199	0.12028	0.19631	0.05567	0.23126	1.84202	-1.29040
-0.105 - 0.047	-0.03202	0.04231	-0.09849	0.06792	1.33863	-0.45852
-0.257 - -0.105	-0.19977	-0.11326	-0.24862	-0.15911	1.13168	-1.21823
-0.409 - -0.257	-0.33148	-0.25769	-0.40932	-0.30832	1.72308	-1.29040
-0.561 - -0.409	-0.46604	-0.41090	-0.54945	-0.35152	1.33391	-1.29040
-0.713 - -0.561	-0.62766	-0.57085	-0.70079	-0.68014	0.65182	-1.29040
-0.866 - -0.713	-0.78398	-0.72093	-0.84627	-0.72833	0.76521	-1.03562
-1.018 - -0.866	-0.94838	-0.87285	-0.99880	-1.13672	-0.93451	-1.29040
-1.170 - -1.018	-1.10615	-1.02211	-1.16701	-1.24985	-1.03562	-1.29040
-1.322 - -1.170	-1.23249	-1.17272	-1.32156	-1.28593	-1.15235	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import Neural one Summary

Node id = Mdllmp4  
 Node label = Model Import Neural one  
 Meta path = Ids => Trans => Grp4 => HPNNA3 => EndGrp4 => Mdllmp4  
 Notes =

### Node=Model Import Neural one Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import Neural one Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import Neural one Model Fit Statistics

Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

Label of Statistic	Train	Validation	Test
Average Squared Error	0.578	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	3.916	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.760	.	.
Sum of Squared Errors	227.135	.	.

### SAS Enterprise Miner Report

Node=Model Import Neural one

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

Mean Predicted

1  
0  
-1

Depth

Mean Predicted - Mean Target

### SAS Enterprise Miner Report

Node=Model Import Neural one

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

Min Predicted

1  
0  
-1  
-2

Depth

Min Predicted - Min Target

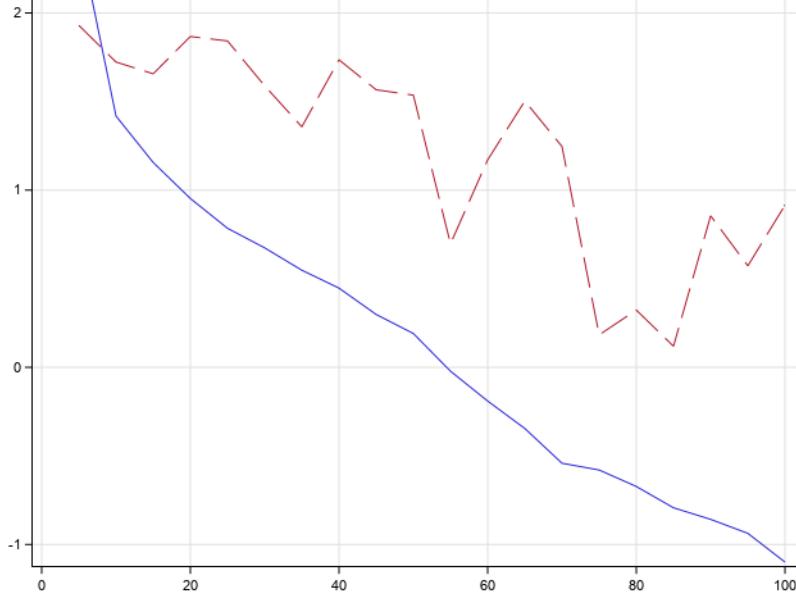
### SAS Enterprise Miner Report

Node=Model Import Neural one

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

Max Predicted



Depth

— Max Predicted — Max Target

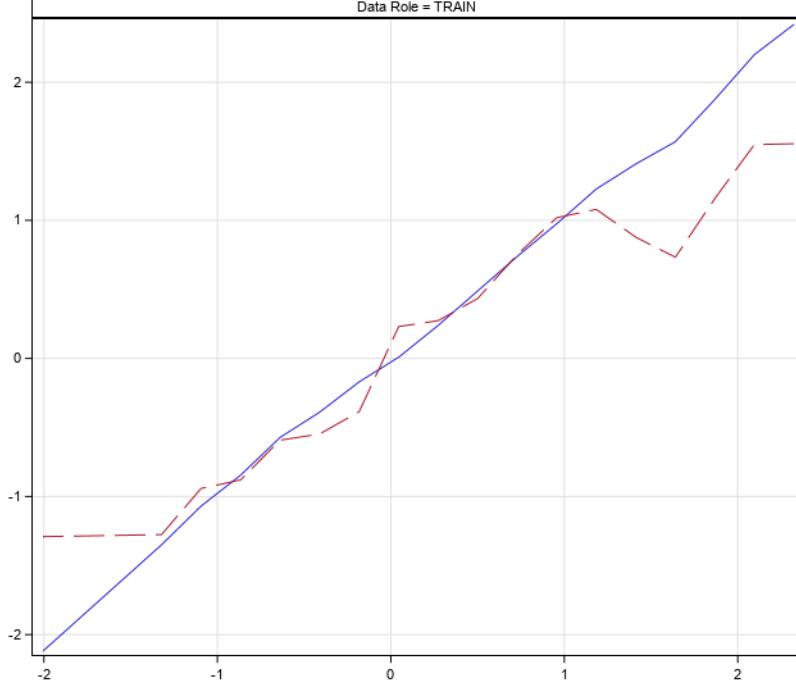
### SAS Enterprise Miner Report

Node=Model Import Neural one

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'

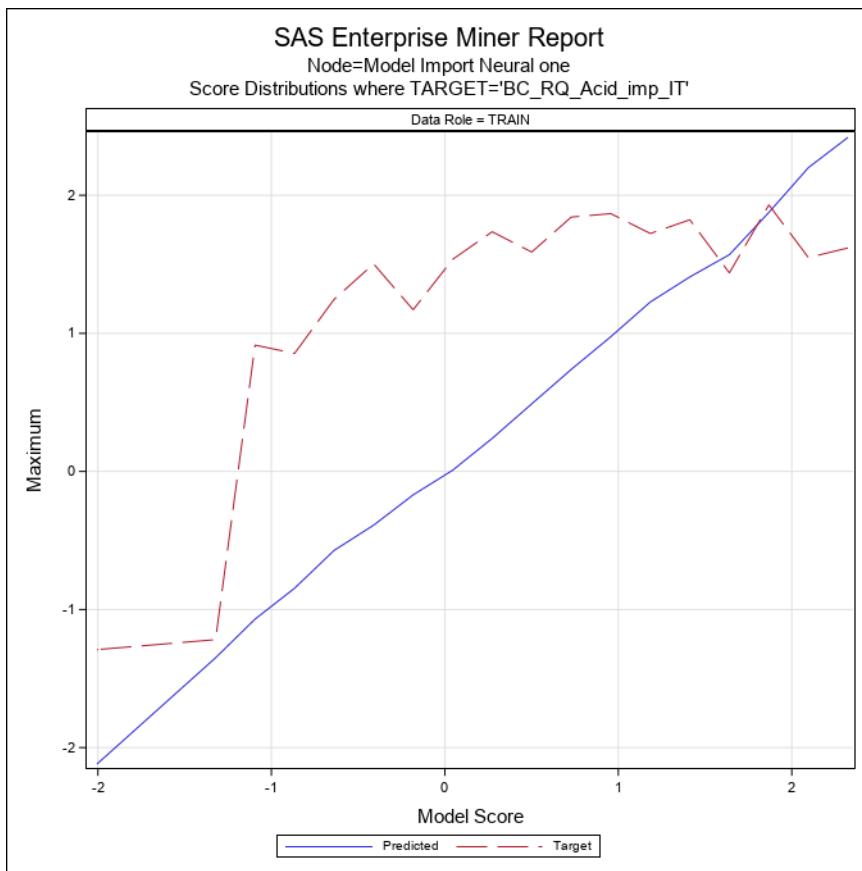
Data Role = TRAIN

Mean



Model Score

— Predicted — Target



**Node=Model Import Neural one**  
**Score Distributions**

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
2.210 - 2.438	2.41898	2.43765	2.40031	1.55498	1.61852	1.49143
1.982 - 2.210	2.20028	2.20028	2.20028	1.54878	1.54878	1.54878
1.754 - 1.982	1.87581	1.93488	1.80153	1.15856	1.92987	-0.01183
1.526 - 1.754	1.56952	1.57406	1.56191	0.73301	1.43759	-1.03562
1.298 - 1.526	1.40857	1.46661	1.32189	0.87774	1.82242	-1.29040
1.071 - 1.298	1.22702	1.28715	1.08120	1.07915	1.72308	-0.24068
0.843 - 1.071	0.97560	1.05606	0.84783	1.01913	1.86701	-0.36374
0.615 - 0.843	0.73887	0.83957	0.62448	0.75242	1.84202	-0.72191
0.387 - 0.615	0.48928	0.58243	0.38929	0.43446	1.58869	-1.29040
0.159 - 0.387	0.23935	0.34903	0.18188	0.27376	1.73571	-1.29040
-0.069 - 0.159	0.00887	0.10376	-0.05807	0.23056	1.53621	-1.29040
-0.297 - -0.069	-0.16985	-0.10779	-0.24322	-0.38568	1.17083	-1.29040
-0.524 - -0.297	-0.38924	-0.30185	-0.48032	-0.54735	1.50288	-1.29040
-0.752 - -0.524	-0.57202	-0.54051	-0.71164	-0.59198	1.24620	-1.29040
-0.980 - -0.752	-0.84576	-0.76696	-0.95450	-0.88003	0.85495	-1.29040
-1.208 - -0.980	-1.06953	-0.99815	-1.15511	-0.94178	0.91488	-1.29040
-1.436 - -1.208	-1.34976	-1.27743	-1.37127	-1.27597	-1.21823	-1.29040
-2.119 - -1.892	-2.11941	-2.11941	-2.11941	-1.29040	-1.29040	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import Regression stepwise Summary

Node id = MdImp6  
 Node label = Model Import Regression stepwise  
 Meta path = Ids => Trans => Grp6 => HPReg3 => EndGrp6 => MdImp6  
 Notes =

### Node=Model Import Regression stepwise Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModelImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import Regression stepwise Variable Summary

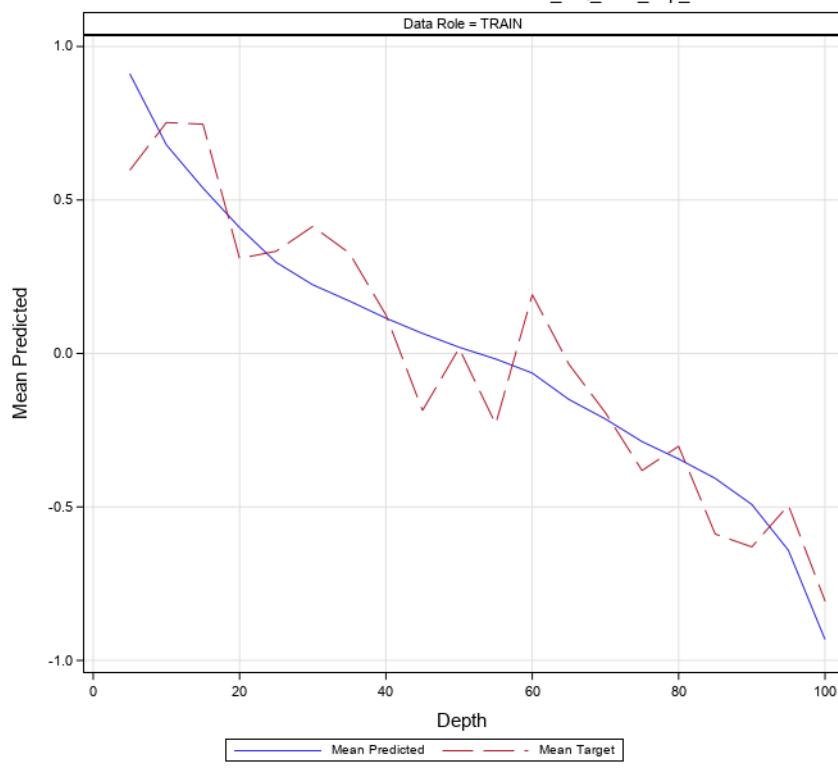
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	11	BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT NEO_E_imp_IT PASStot_imp_IT PCCLcat_imp_IT PCCLext_imp_IT PHQ9dep_imp_IT VSltot_imp_IT_XVAL_
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import Regression stepwise Model Fit Statistics

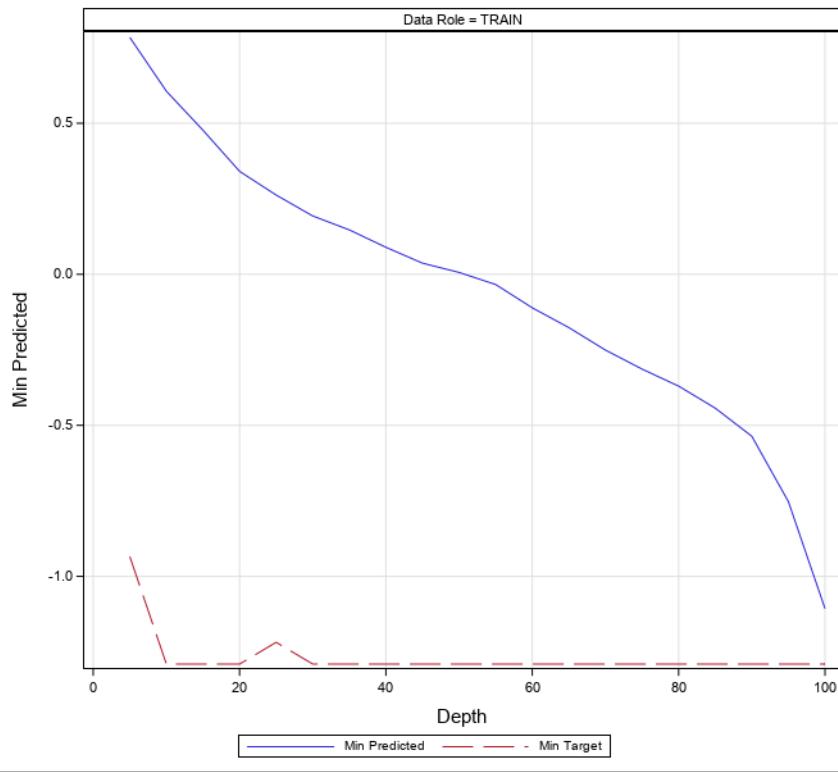
Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

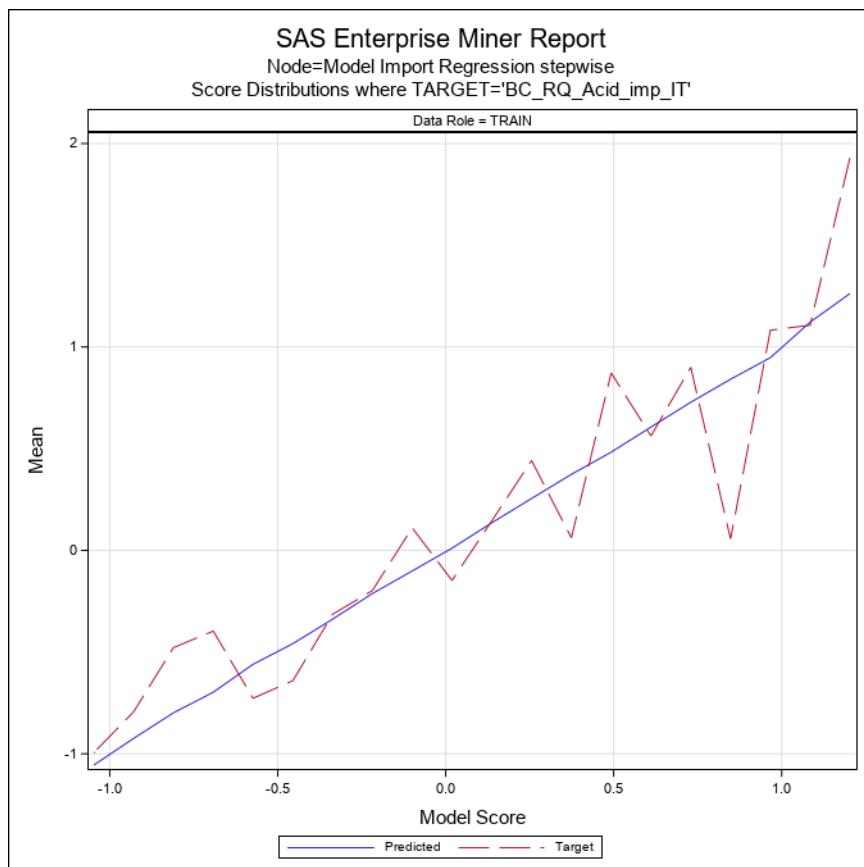
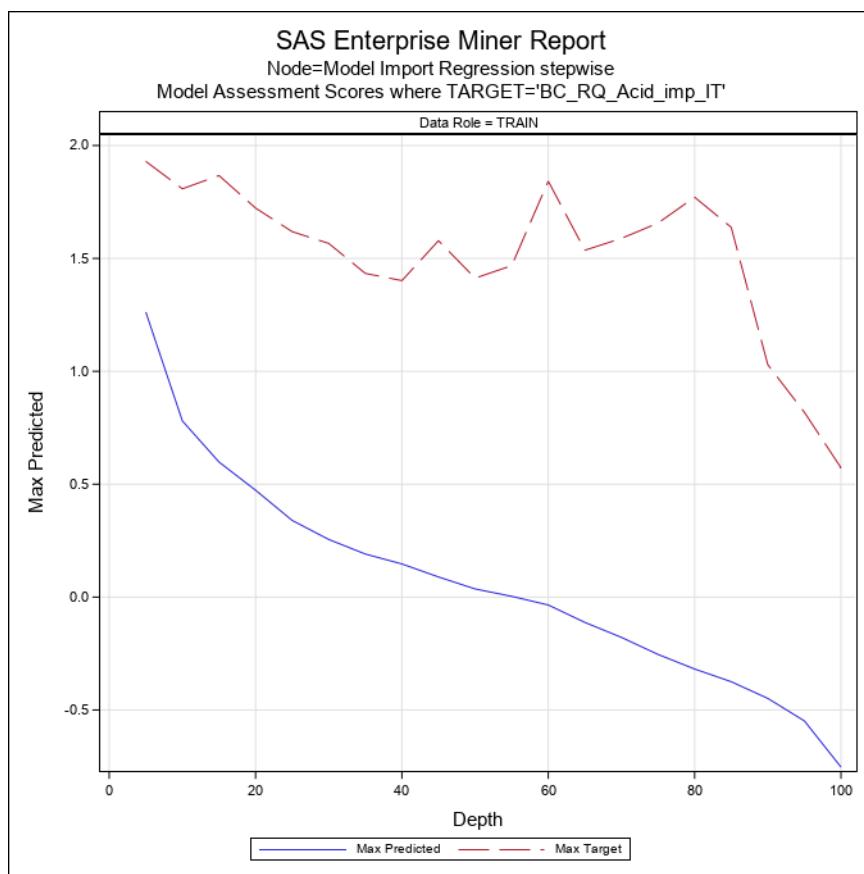
Label of Statistic	Train	Validation	Test
Average Squared Error	0.822	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	2.205	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.907	.	.
Sum of Squared Errors	323.237	.	.

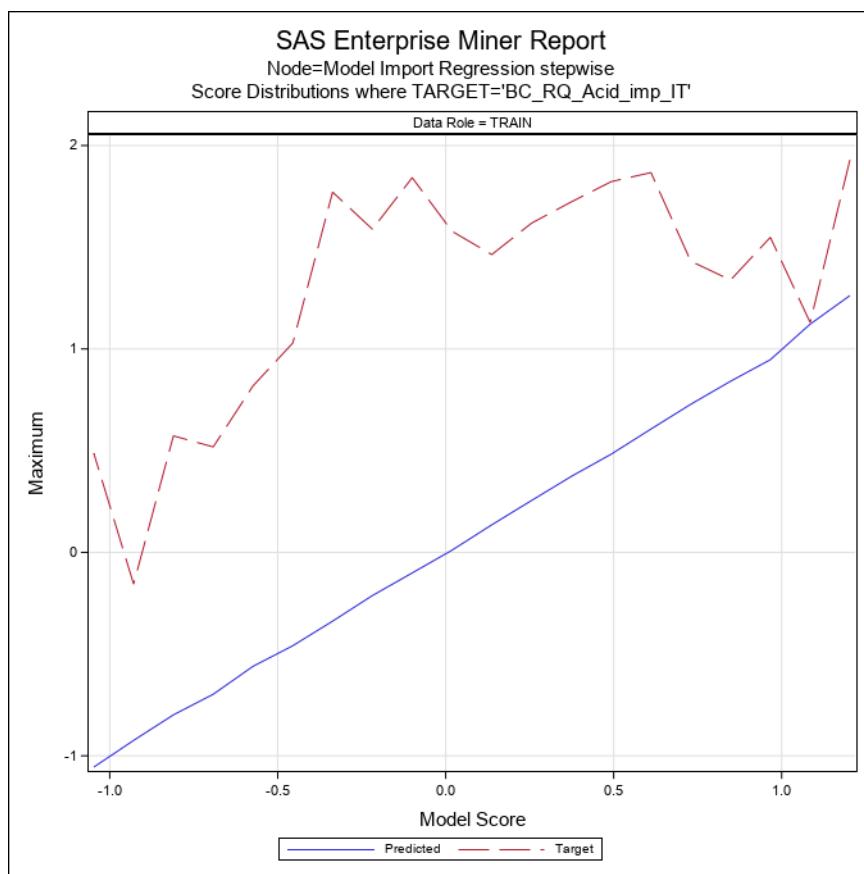
SAS Enterprise Miner Report  
Node=Model Import Regression stepwise  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'



SAS Enterprise Miner Report  
Node=Model Import Regression stepwise  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'







### Node=Model Import Regression stepwise Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.144 - 1.262	1.26244	1.26244	1.26244	1.92987	1.92987	1.92987
1.026 - 1.144	1.12189	1.12921	1.11457	1.10690	1.12996	1.08384
0.907 - 1.026	0.94714	0.96508	0.93343	1.08241	1.54878	0.16562
0.789 - 0.907	0.84123	0.88943	0.79448	0.05637	1.33863	-0.93451
0.670 - 0.789	0.72803	0.78567	0.67570	0.89972	1.43146	-1.29040
0.552 - 0.670	0.60616	0.66572	0.55203	0.56246	1.86701	-1.21823
0.433 - 0.552	0.48268	0.54549	0.43446	0.87250	1.82242	-1.29040
0.315 - 0.433	0.37365	0.42672	0.31788	0.06173	1.72308	-1.29040
0.196 - 0.315	0.25499	0.31059	0.19783	0.44144	1.61852	-1.29040
0.078 - 0.196	0.13546	0.19311	0.07842	0.14480	1.46404	-1.29040
-0.040 - 0.078	0.01062	0.07747	-0.04042	-0.14784	1.57848	-1.29040
-0.159 - -0.040	-0.10126	-0.04229	-0.15847	0.11073	1.84202	-1.29040
-0.277 - -0.159	-0.21235	-0.15969	-0.27632	-0.19758	1.58869	-1.29040
-0.396 - -0.277	-0.33819	-0.28367	-0.39266	-0.31433	1.77106	-1.29040
-0.514 - -0.396	-0.45888	-0.40229	-0.51147	-0.64110	1.02925	-1.29040
-0.633 - -0.514	-0.56024	-0.51625	-0.60547	-0.72709	0.81845	-1.29040
-0.751 - -0.633	-0.69751	-0.63743	-0.75034	-0.39674	0.51841	-1.29040
-0.870 - -0.751	-0.79883	-0.75158	-0.86587	-0.47821	0.57270	-1.29040
-0.988 - -0.870	-0.92432	-0.88886	-0.94953	-0.79365	-0.15603	-1.29040
-1.107 - -0.988	-1.05556	-0.99438	-1.10652	-0.99434	0.48660	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import DMNeural Summary

Node id = MdImp3  
 Node label = Model Import DMNeural  
 Meta path = Ids => Trans => Grp3 => DMNeural2 => EndGrp3 => MdImp3  
 Notes =

### Node=Model Import DMNeural Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import DMNeural Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import DMNeural Model Fit Statistics

Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

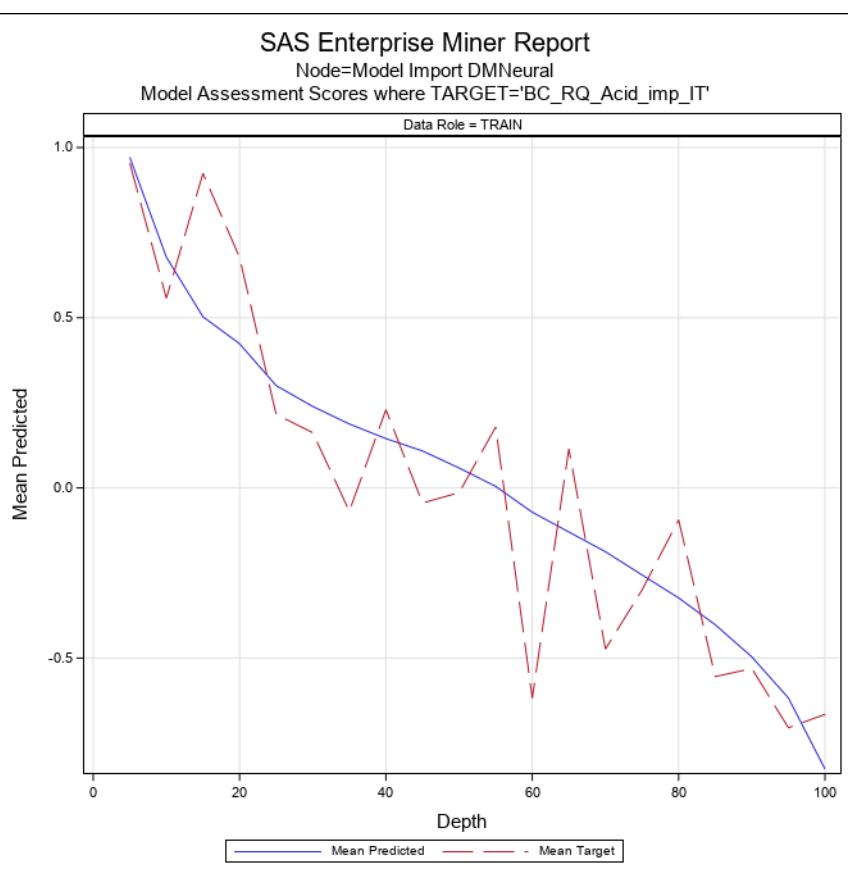
Label of Statistic	Train	Validation	Test
Average Squared Error	0.770	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	2.189	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.878	.	.
Sum of Squared Errors	302.790	.	.

**SAS Enterprise Miner Report**

Node=Model Import DMNeural

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

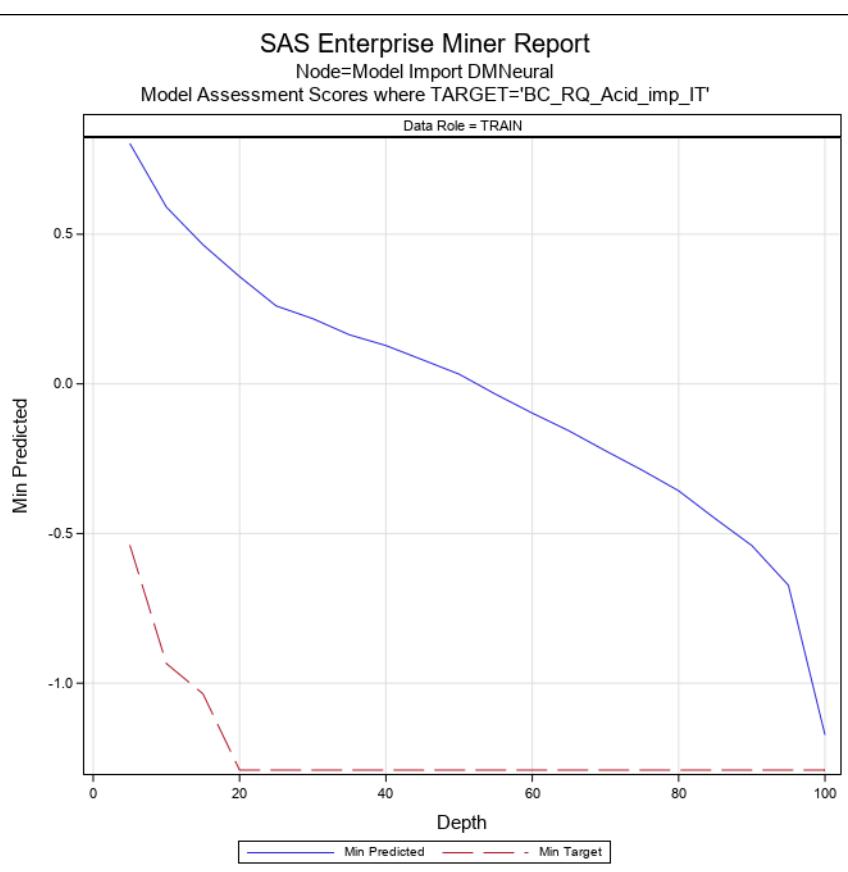
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Model Import DMNeural

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

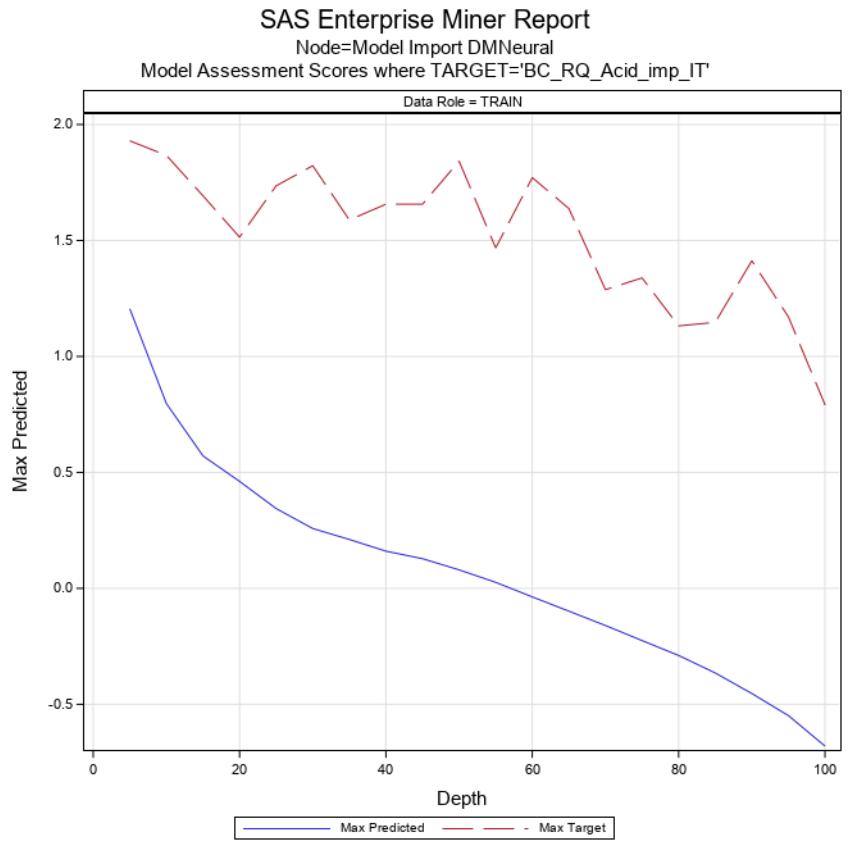


### SAS Enterprise Miner Report

Node=Model Import DMNeural

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN



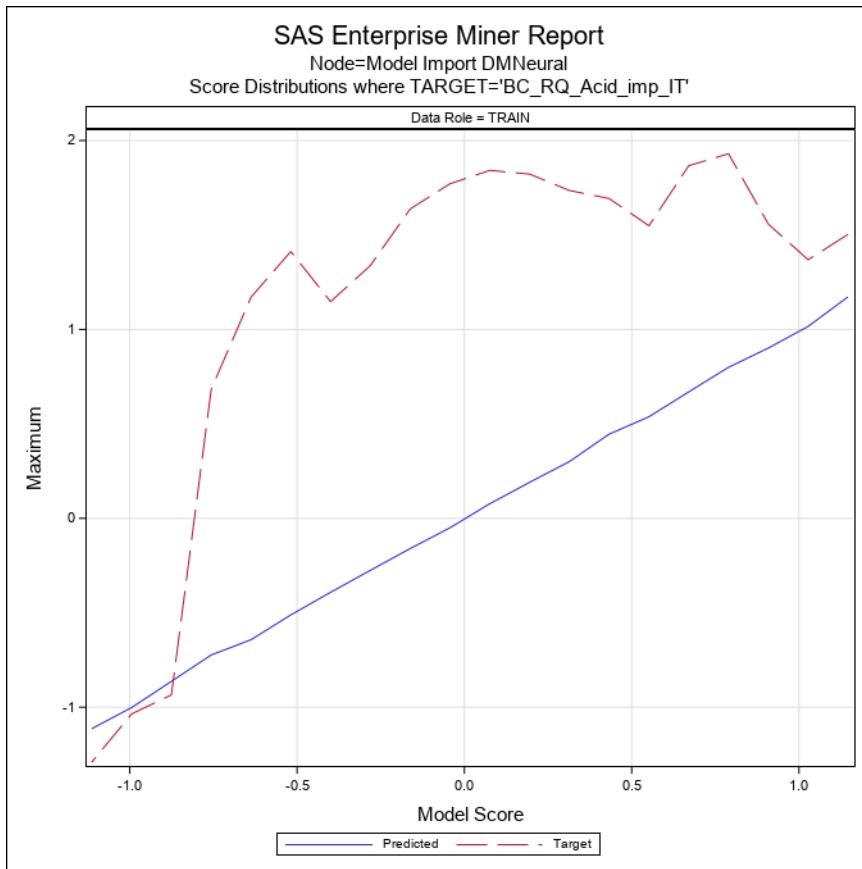
### SAS Enterprise Miner Report

Node=Model Import DMNeural

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN





### Node=Model Import DMNeural Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.087 - 1.206	1.17214	1.20570	1.14732	1.18223	1.50288	0.55237
0.968 - 1.087	1.01601	1.03539	0.99550	0.83185	1.36860	0.18307
0.849 - 0.968	0.90151	0.92990	0.85151	0.83067	1.55764	-0.53830
0.730 - 0.849	0.79959	0.84196	0.73089	0.86686	1.92987	-0.93451
0.611 - 0.730	0.66948	0.72791	0.61316	0.55036	1.86701	-0.84532
0.492 - 0.611	0.53760	0.59896	0.49239	0.88984	1.54878	-1.03562
0.373 - 0.492	0.44570	0.48593	0.37395	0.80394	1.69276	-1.29040
0.254 - 0.373	0.30032	0.36849	0.25436	0.15231	1.73571	-1.29040
0.135 - 0.254	0.19050	0.25257	0.13728	0.11113	1.82242	-1.29040
0.016 - 0.135	0.07728	0.13324	0.01868	0.06352	1.84202	-1.29040
-0.102 - 0.016	-0.05005	0.01393	-0.09920	-0.30675	1.77106	-1.29040
-0.221 - -0.102	-0.16002	-0.10418	-0.21674	-0.22841	1.63777	-1.29040
-0.340 - -0.221	-0.27508	-0.22341	-0.32906	-0.19722	1.33863	-1.29040
-0.459 - -0.340	-0.39156	-0.34450	-0.45345	-0.47420	1.14698	-1.29040
-0.578 - -0.459	-0.51129	-0.46438	-0.57068	-0.56757	1.41251	-1.29040
-0.697 - -0.578	-0.64276	-0.59347	-0.68463	-0.54115	1.17083	-1.29040
-0.816 - -0.697	-0.72339	-0.70149	-0.77275	-0.44797	0.68341	-1.29040
-0.935 - -0.816	-0.86300	-0.82823	-0.93042	-1.01547	-0.93451	-1.15235
-1.054 - -0.935	-1.00174	-0.96328	-1.04475	-1.20548	-1.03562	-1.29040
-1.173 - -1.054	-1.11348	-1.05418	-1.17278	-1.29040	-1.29040	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import GradBoost Summary

Node id = MdImp9  
 Node label = Model Import GradBoost  
 Meta path = Ids => Trans => Grp9 => Boost3 => EndGrp9 => MdImp9  
 Notes =

### Node=Model Import GradBoost Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModelImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import GradBoost Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import GradBoost Model Fit Statistics

Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

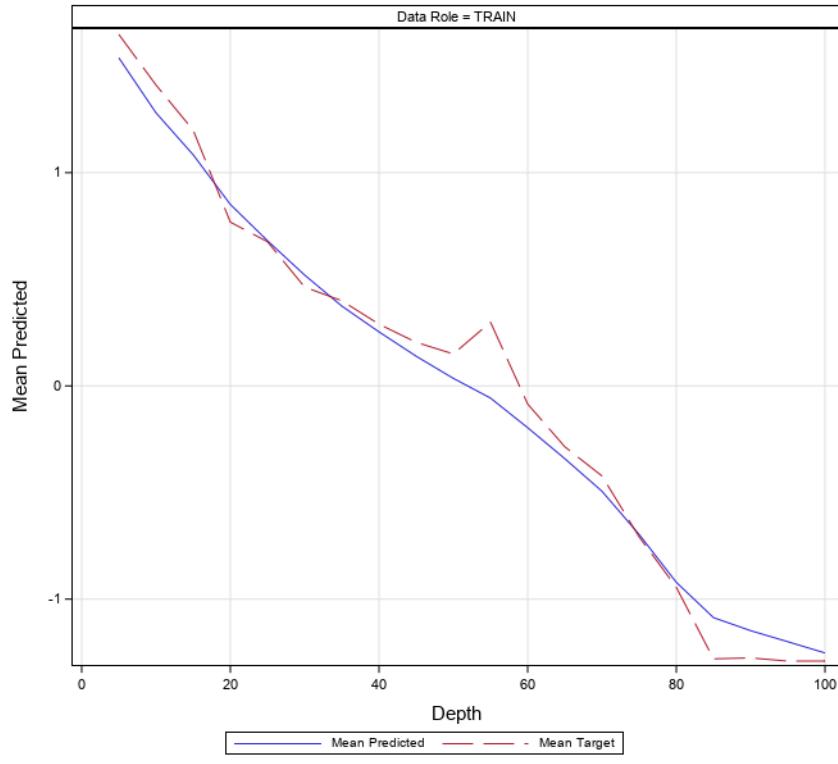
Label of Statistic	Train	Validation	Test
Average Squared Error	0.179	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	2.365	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.423	.	.
Sum of Squared Errors	70.371	.	.

**SAS Enterprise Miner Report**

Node=Model Import GradBoost

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

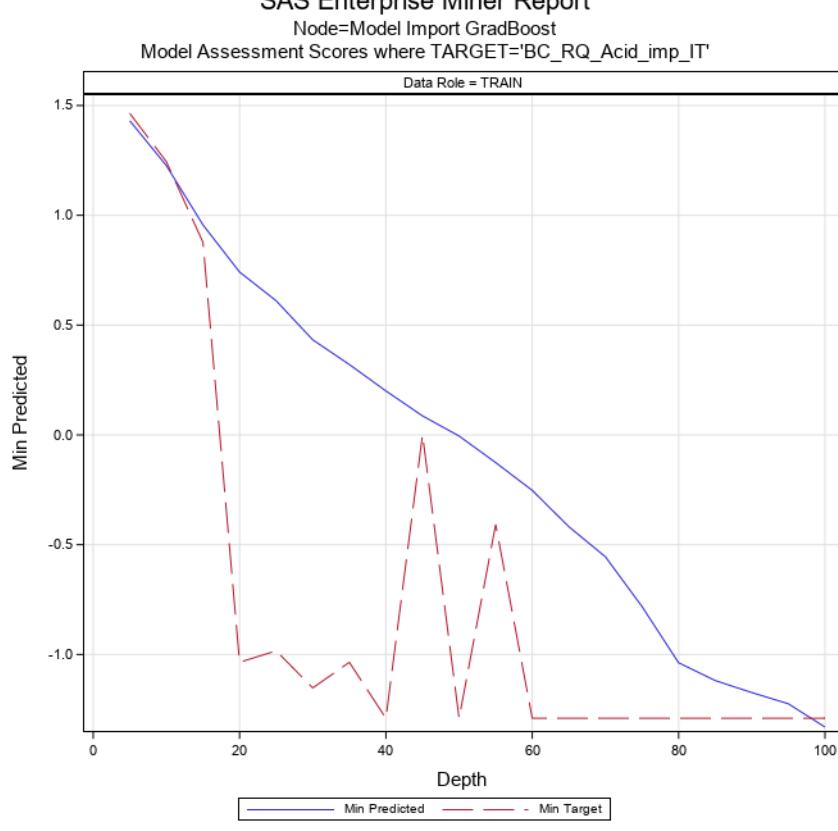
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Model Import GradBoost

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

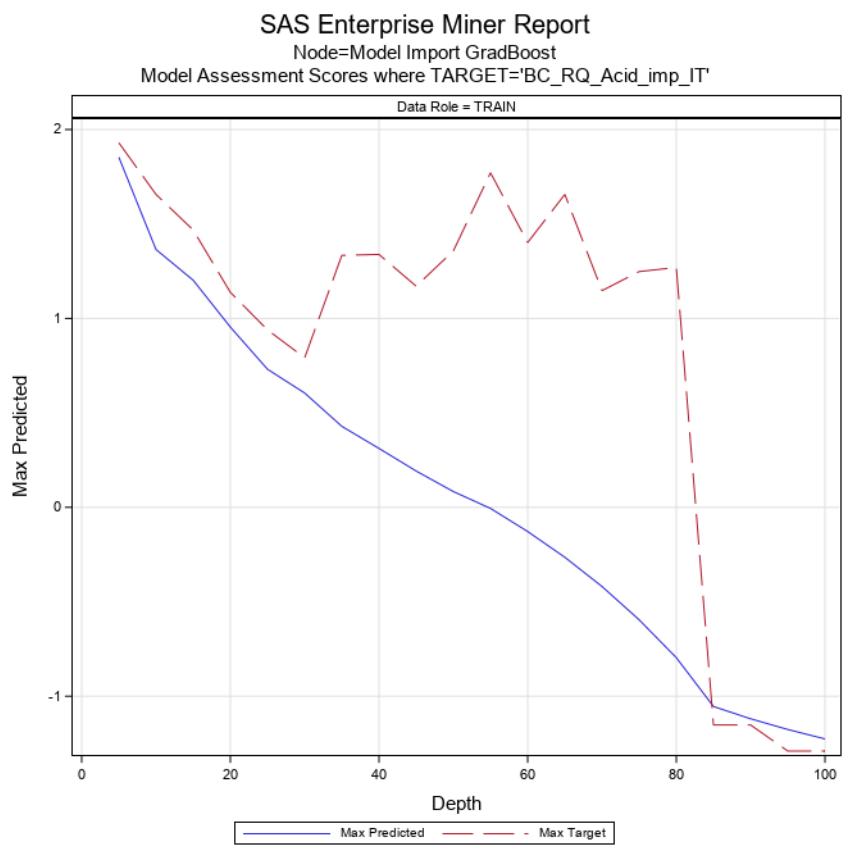


### SAS Enterprise Miner Report

Node=Model Import GradBoost

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

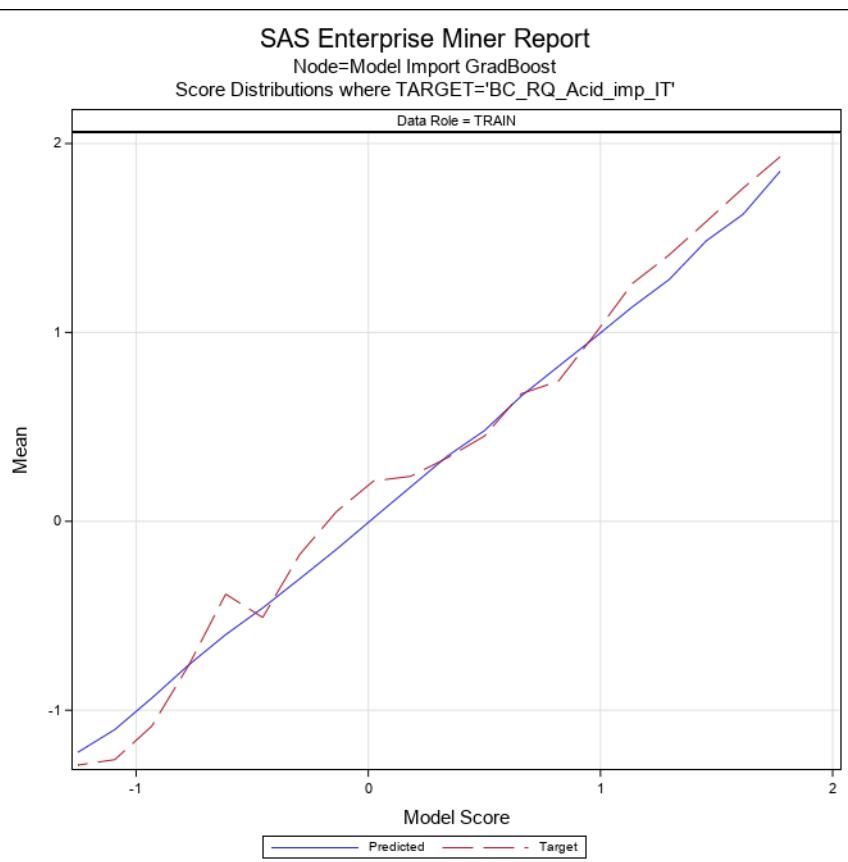


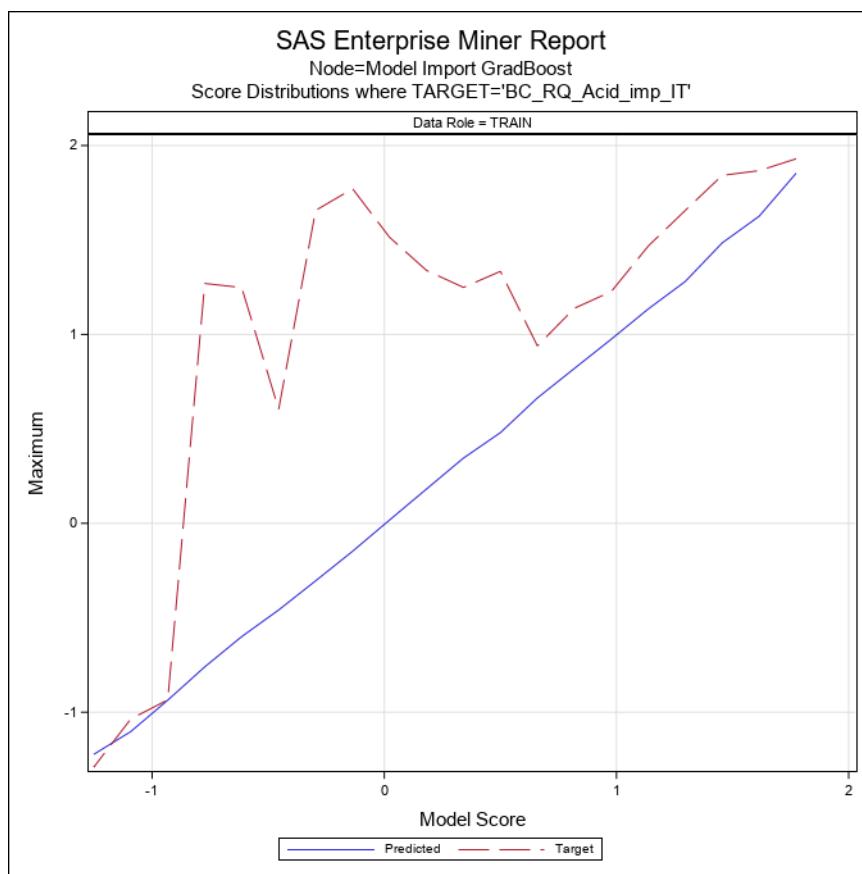
### SAS Enterprise Miner Report

Node=Model Import GradBoost

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN





### Node=Model Import GradBoost Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.694 - 1.854	1.85351	1.85351	1.85351	1.92987	1.92987	1.92987
1.535 - 1.694	1.62591	1.67268	1.54462	1.76444	1.86701	1.58869
1.376 - 1.535	1.48469	1.52351	1.43063	1.58667	1.84202	1.46404
1.217 - 1.376	1.28046	1.36480	1.22619	1.41084	1.65655	1.24406
1.057 - 1.217	1.13499	1.20232	1.06142	1.25878	1.46801	1.08384
0.898 - 1.057	0.97508	1.05414	0.90379	0.99358	1.22737	-0.07171
0.739 - 0.898	0.81985	0.89556	0.74170	0.74188	1.13831	-1.03562
0.580 - 0.739	0.66382	0.73102	0.58226	0.67574	0.93917	-0.98338
0.421 - 0.580	0.48022	0.56840	0.42126	0.45115	1.33391	-1.15235
0.261 - 0.421	0.34543	0.41673	0.28053	0.33673	1.24885	-1.03562
0.102 - 0.261	0.18167	0.25990	0.11267	0.23811	1.33863	-1.29040
-0.057 - 0.102	0.01758	0.09792	-0.04908	0.21353	1.51415	-1.29040
-0.216 - -0.057	-0.14782	-0.06541	-0.21395	0.05215	1.77106	-1.29040
-0.375 - -0.216	-0.30438	-0.21655	-0.37126	-0.17599	1.65655	-1.29040
-0.535 - -0.375	-0.45869	-0.38471	-0.52693	-0.50891	0.60373	-1.29040
-0.694 - -0.535	-0.59973	-0.54137	-0.68021	-0.38536	1.24818	-0.88860
-0.853 - -0.694	-0.76005	-0.69445	-0.82460	-0.76199	1.26974	-1.29040
-1.012 - -0.853	-0.93605	-0.87943	-1.00857	-1.08433	-0.93451	-1.29040
-1.171 - -1.012	-1.10232	-1.01464	-1.16594	-1.26162	-1.03562	-1.29040
-1.331 - -1.171	-1.22273	-1.17319	-1.33066	-1.29040	-1.29040	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import GradBoost Tuned 2 Summary

Node id = Mdllmp8  
 Node label = Model Import GradBoost Tuned 2  
 Meta path = Ids => Trans => Grp10 => Boost4 => EndGrp10 => Mdllmp8  
 Notes =

### Node=Model Import GradBoost Tuned 2 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import GradBoost Tuned 2 Variable Summary

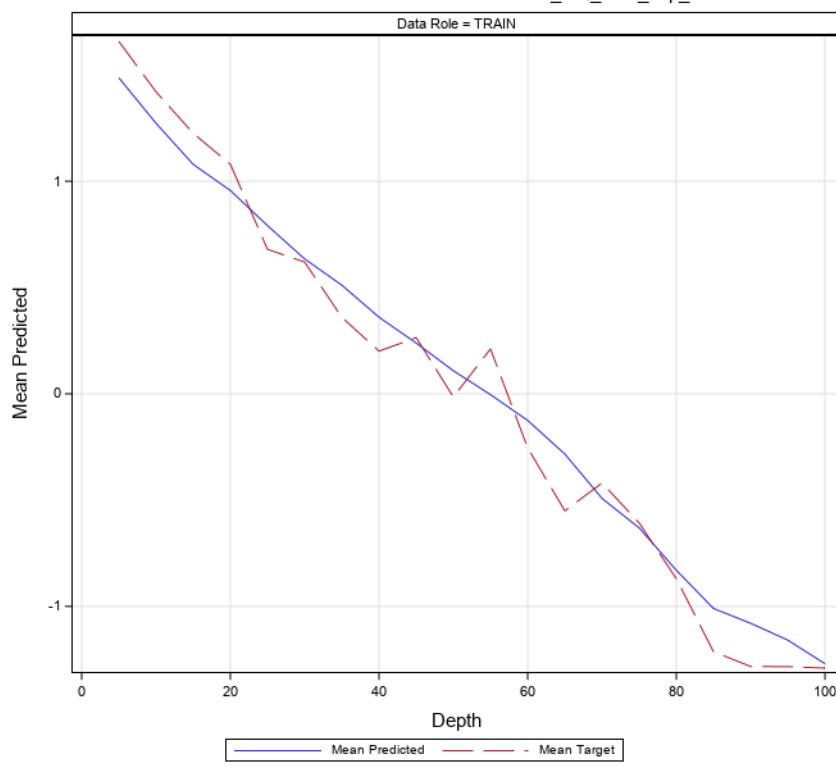
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import GradBoost Tuned 2 Model Fit Statistics

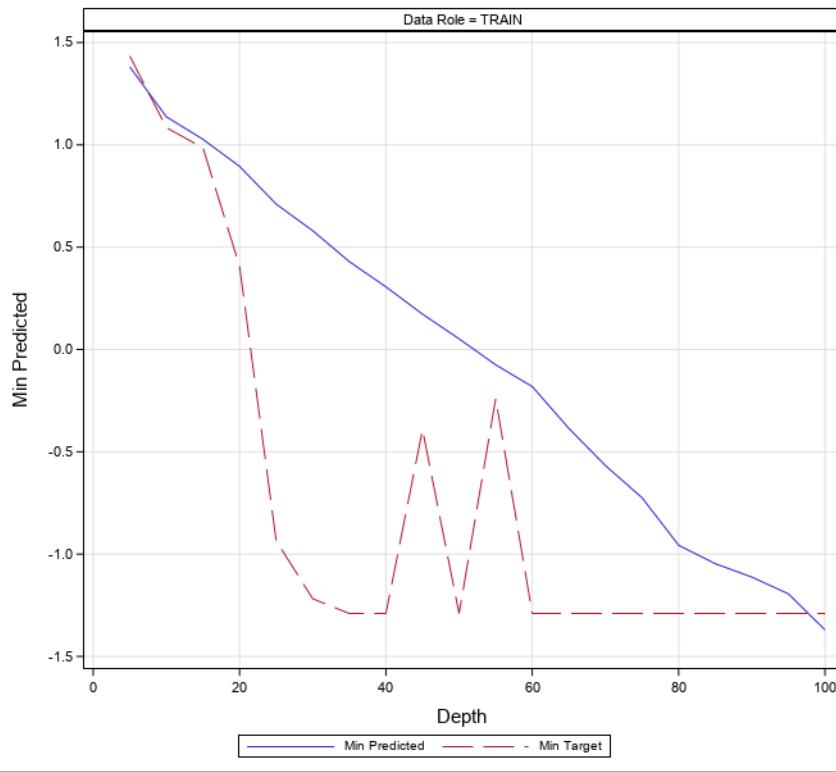
Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

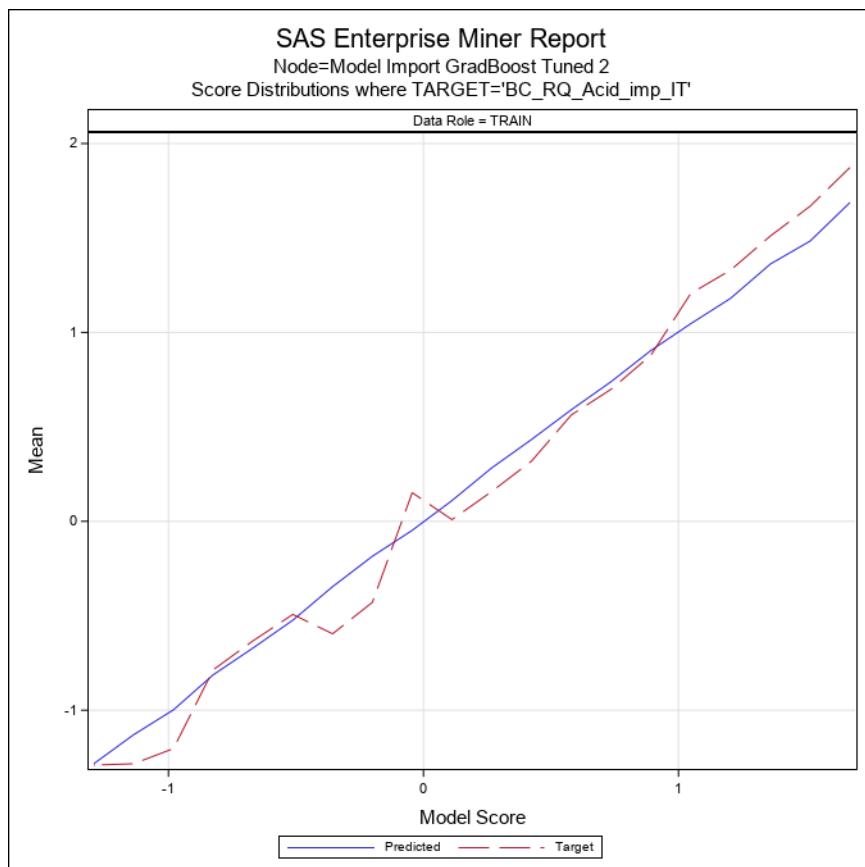
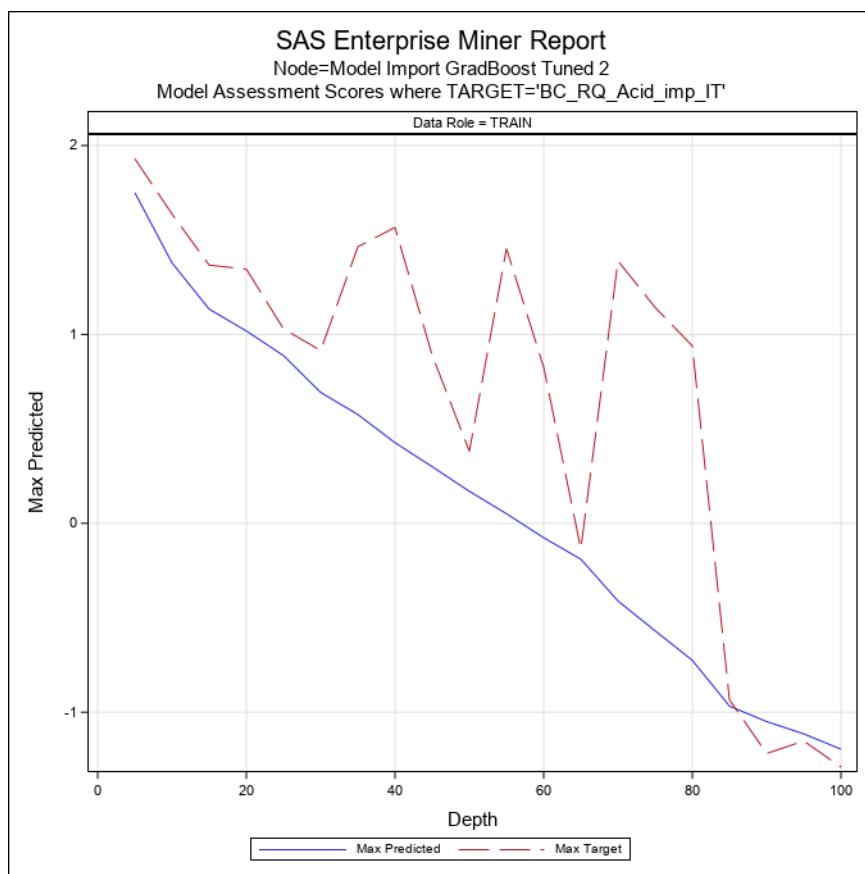
Label of Statistic	Train	Validation	Test
Average Squared Error	0.129	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	2.579	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.359	.	.
Sum of Squared Errors	50.555	.	.

SAS Enterprise Miner Report  
Node=Model Import GradBoost Tuned 2  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'



SAS Enterprise Miner Report  
Node=Model Import GradBoost Tuned 2  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'







### Node=Model Import GradBoost Tuned 2 Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.594 - 1.750	1.68748	1.75035	1.60617	1.87310	1.92987	1.82242
1.438 - 1.594	1.48375	1.57852	1.44079	1.66827	1.84202	1.46404
1.282 - 1.438	1.36192	1.41967	1.29287	1.51057	1.73571	1.35721
1.126 - 1.282	1.18034	1.26986	1.12732	1.32976	1.51415	1.08384
0.970 - 1.126	1.04628	1.11649	0.97632	1.20617	1.36680	0.98555
0.814 - 0.970	0.90462	0.96293	0.81635	0.87985	1.24818	-0.24068
0.658 - 0.814	0.73956	0.81016	0.66571	0.69937	0.98555	-0.93451
0.502 - 0.658	0.59090	0.65571	0.50999	0.56326	1.46404	-1.21823
0.346 - 0.502	0.43338	0.49861	0.36468	0.31910	1.56639	-1.29040
0.190 - 0.346	0.28301	0.33990	0.19107	0.15812	1.14199	-1.29040
0.034 - 0.190	0.10997	0.18710	0.03779	0.00907	0.38174	-1.29040
-0.122 - 0.034	-0.04778	0.01014	-0.12139	0.15166	1.45401	-1.29040
-0.278 - -0.122	-0.18496	-0.12280	-0.25963	-0.42860	-0.10262	-1.29040
-0.434 - -0.278	-0.34583	-0.28178	-0.43343	-0.59535	0.17012	-1.29040
-0.590 - -0.434	-0.52356	-0.43690	-0.58833	-0.49296	1.38921	-1.29040
-0.746 - -0.590	-0.67062	-0.59492	-0.74080	-0.63262	1.14239	-1.29040
-0.902 - -0.746	-0.81241	-0.75746	-0.88761	-0.78595	0.93917	-1.29040
-1.058 - -0.902	-0.99810	-0.90630	-1.05485	-1.20316	-0.93451	-1.29040
-1.215 - -1.058	-1.12977	-1.05974	-1.20689	-1.28334	-1.15235	-1.29040
-1.371 - -1.215	-1.28300	-1.22288	-1.37058	-1.29040	-1.29040	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import Regression LASSO Summary

Node id = Mdllmp7  
 Node label = Model Import Regression LASSO  
 Meta path = Ids => Trans => Grp7 => HPReg4 => EndGrp7 => Mdllmp7  
 Notes =

### Node=Model Import Regression LASSO Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import Regression LASSO Variable Summary

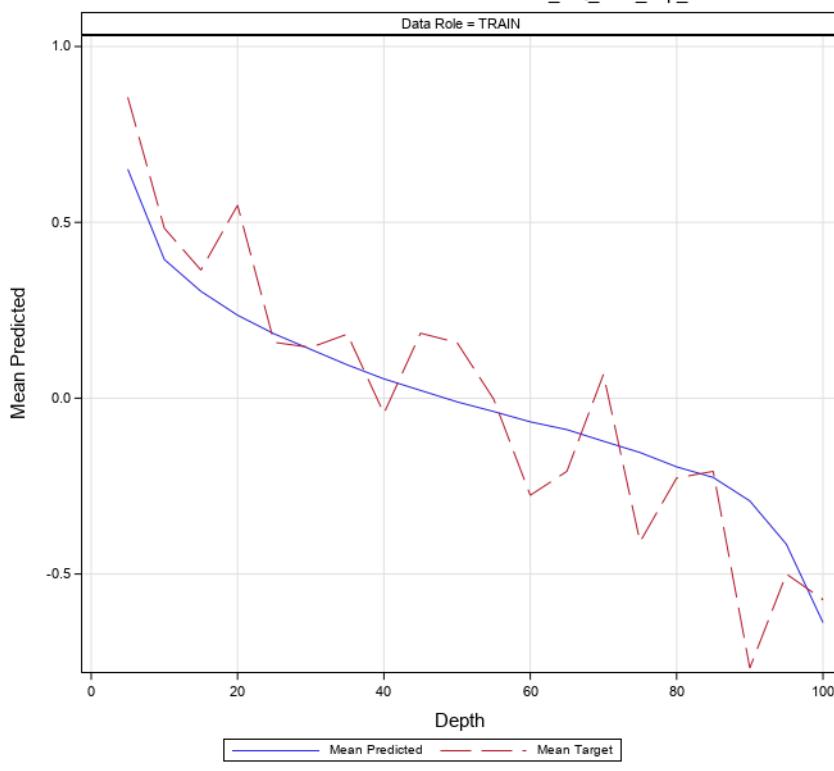
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	20	BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT PCCLcat_imp_IT PCCLext_imp_IT ..._XVAL_
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import Regression LASSO Model Fit Statistics

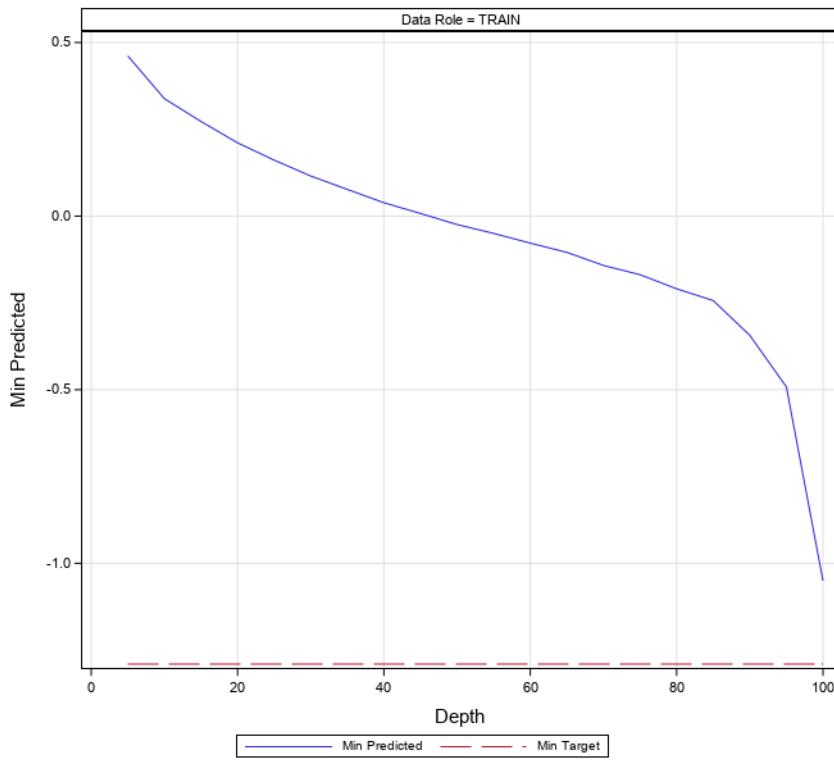
Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

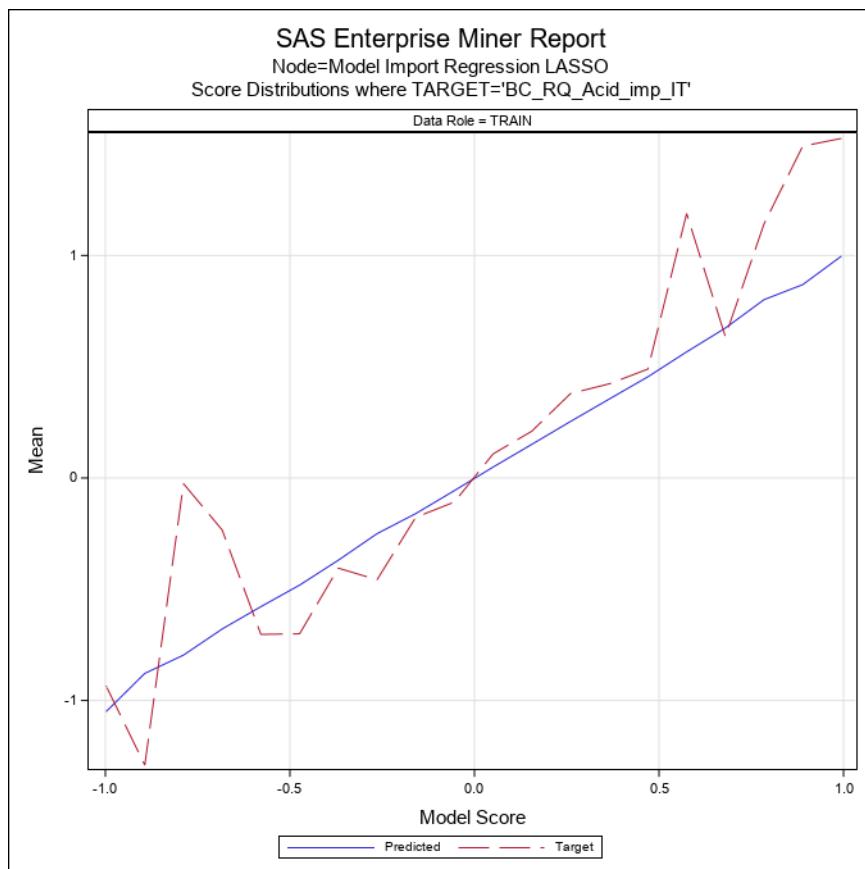
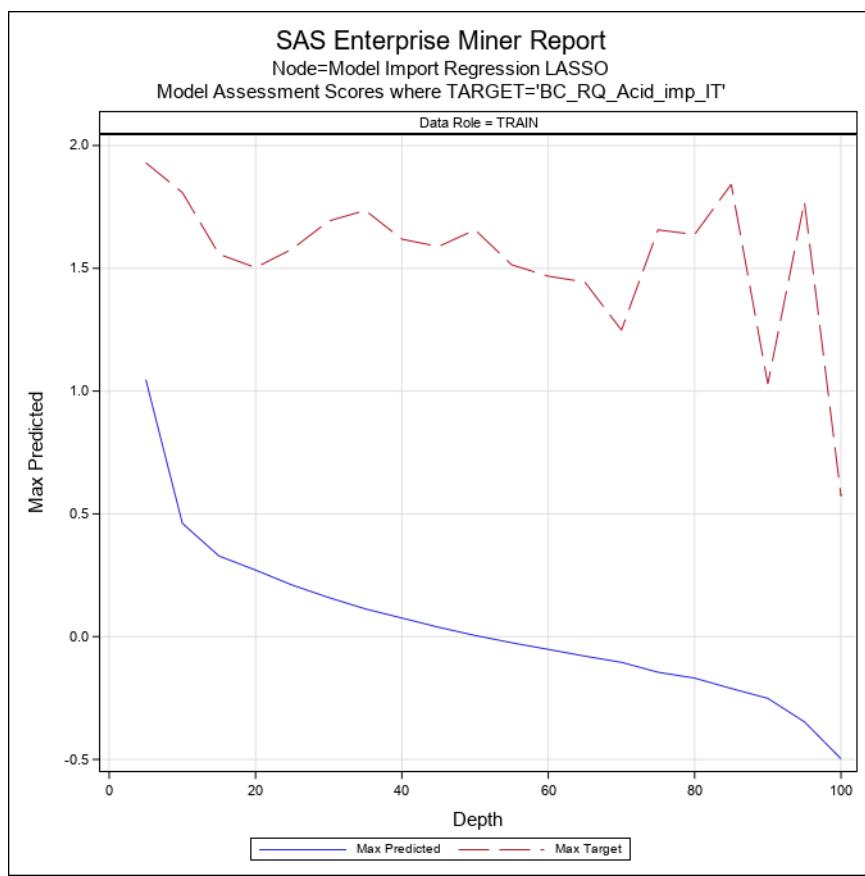
Label of Statistic	Train	Validation	Test
Average Squared Error	0.873	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	2.015	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.934	.	.
Sum of Squared Errors	343.140	.	.

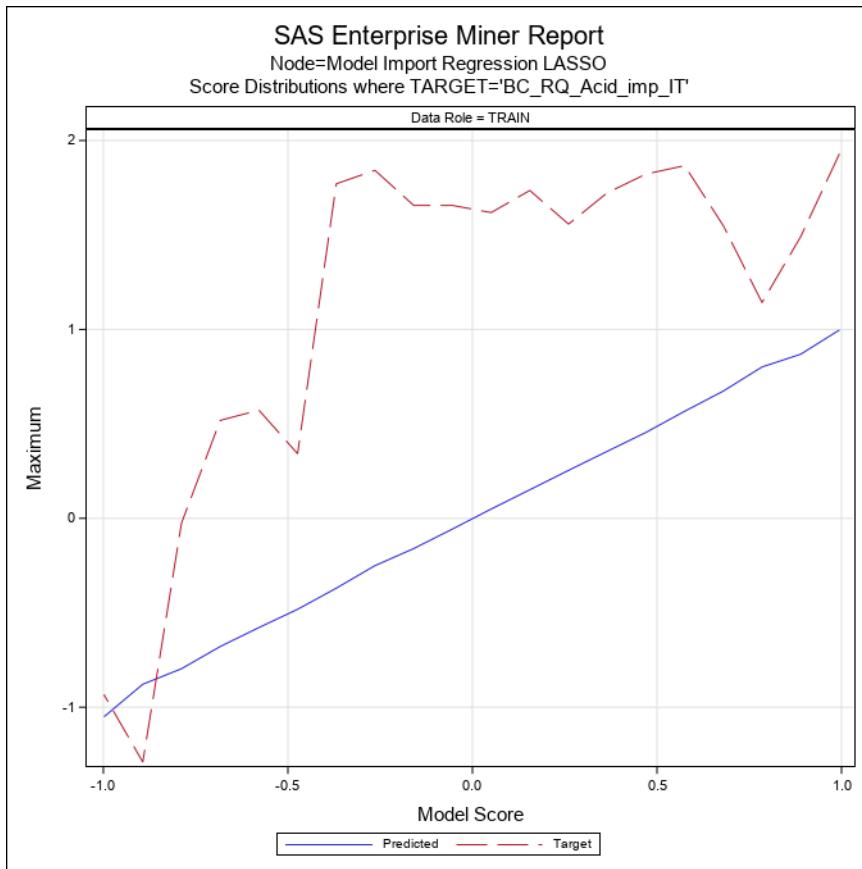
SAS Enterprise Miner Report  
Node=Model Import Regression LASSO  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'



SAS Enterprise Miner Report  
Node=Model Import Regression LASSO  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'







### Node=Model Import Regression LASSO Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.942 - 1.047	0.99711	1.04673	0.94749	1.52611	1.92987	1.12236
0.837 - 0.942	0.86891	0.86891	0.86891	1.49143	1.49143	1.49143
0.732 - 0.837	0.80133	0.80133	0.80133	1.14199	1.14199	1.14199
0.627 - 0.732	0.67367	0.71981	0.65284	0.63550	1.54878	-0.98338
0.522 - 0.627	0.56661	0.60453	0.54243	1.18846	1.86701	0.24534
0.418 - 0.522	0.45478	0.49659	0.42015	0.48947	1.82242	-1.29040
0.313 - 0.418	0.35466	0.41264	0.31434	0.42301	1.72308	-1.29040
0.208 - 0.313	0.25388	0.31239	0.20789	0.37924	1.55764	-1.29040
0.103 - 0.208	0.15111	0.19728	0.10490	0.21025	1.73571	-1.29040
-0.002 - 0.103	0.04903	0.10272	-0.00150	0.10808	1.61852	-1.29040
-0.107 - -0.002	-0.05677	-0.00395	-0.10475	-0.10792	1.65655	-1.29040
-0.212 - -0.107	-0.16018	-0.10742	-0.21111	-0.17709	1.65655	-1.29040
-0.316 - -0.212	-0.25044	-0.21213	-0.31208	-0.45770	1.84202	-1.29040
-0.421 - -0.316	-0.36972	-0.32461	-0.40880	-0.40515	1.77106	-1.29040
-0.526 - -0.421	-0.48155	-0.42500	-0.52286	-0.70027	0.34189	-1.29040
-0.631 - -0.526	-0.57833	-0.53166	-0.61710	-0.70307	0.57270	-1.29040
-0.736 - -0.631	-0.67866	-0.63639	-0.72529	-0.23404	0.51841	-1.09174
-0.841 - -0.736	-0.79619	-0.79619	-0.79619	-0.02557	-0.02557	-0.02557
-0.946 - -0.841	-0.87833	-0.87833	-0.87833	-1.29040	-1.29040	-1.29040
-1.050 - -0.946	-1.05043	-1.05043	-1.05043	-0.93451	-0.93451	-0.93451

## SAS Enterprise Miner Report

### Node=Model Import Tree Summary

Node id = MdImp  
 Node label = Model Import Tree  
 Meta path = Ids => Trans => Grp => Tree2 => EndGrp => MdImp  
 Notes =

### Node=Model Import Tree Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import Tree Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
SEGMENT	NOMINAL	1	_NODE_-
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import Tree Model Fit Statistics

Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

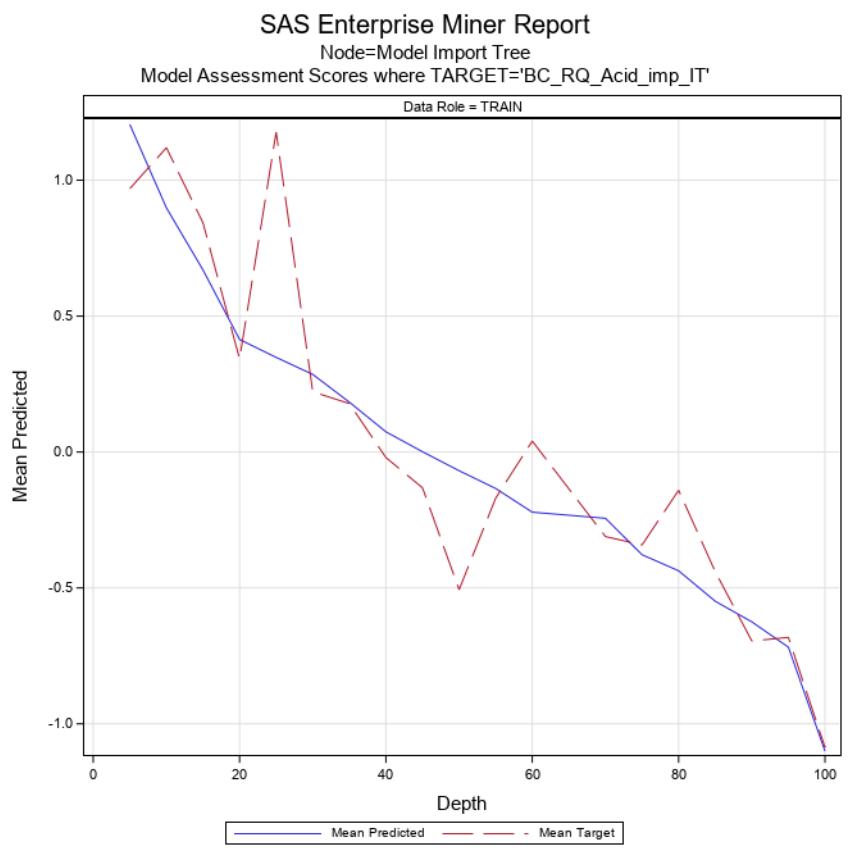
Label of Statistic	Train	Validation	Test
Average Squared Error	0.759	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	2.515	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.871	.	.
Sum of Squared Errors	298.314	.	.

**SAS Enterprise Miner Report**

Node=Model Import Tree

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

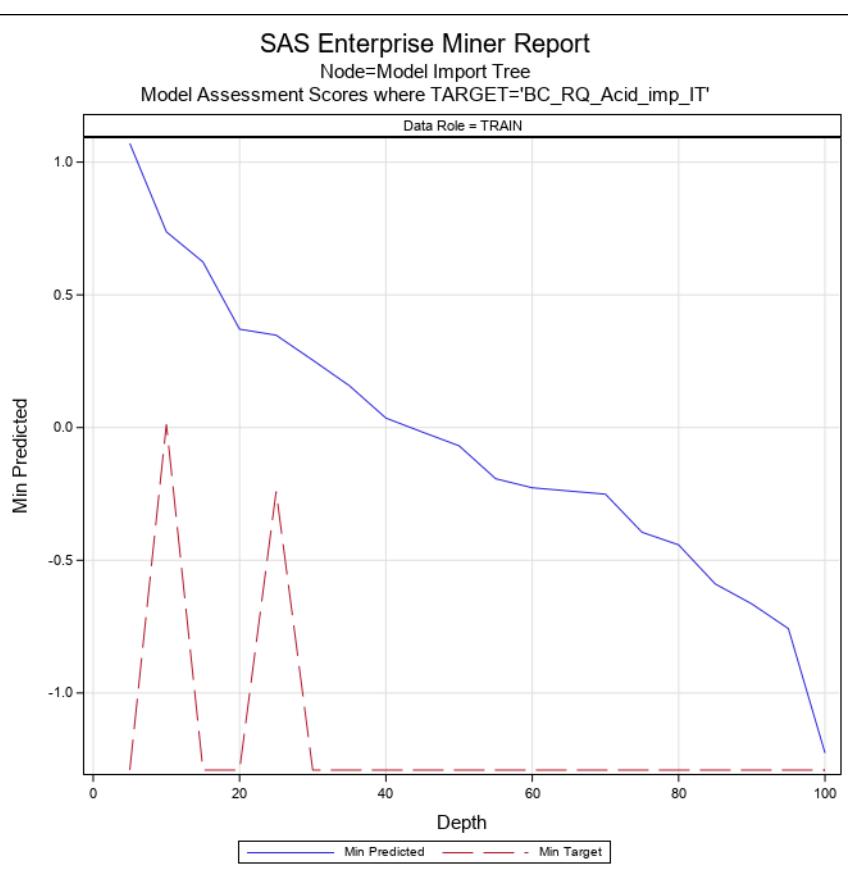
Data Role = TRAIN

**SAS Enterprise Miner Report**

Node=Model Import Tree

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

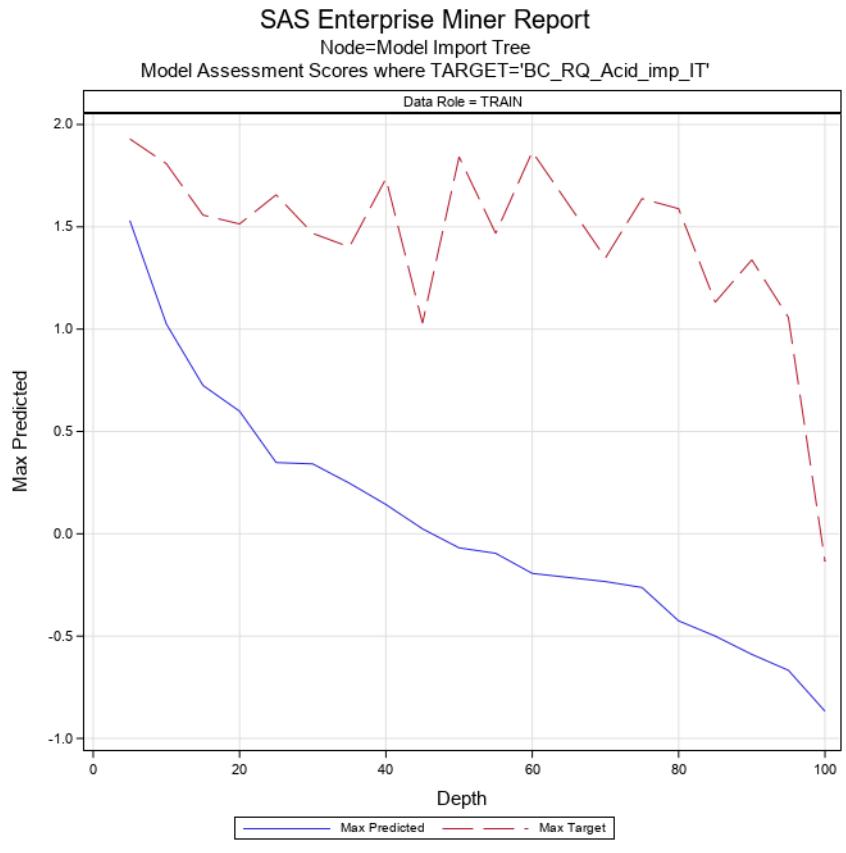


### SAS Enterprise Miner Report

Node=Model Import Tree

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN



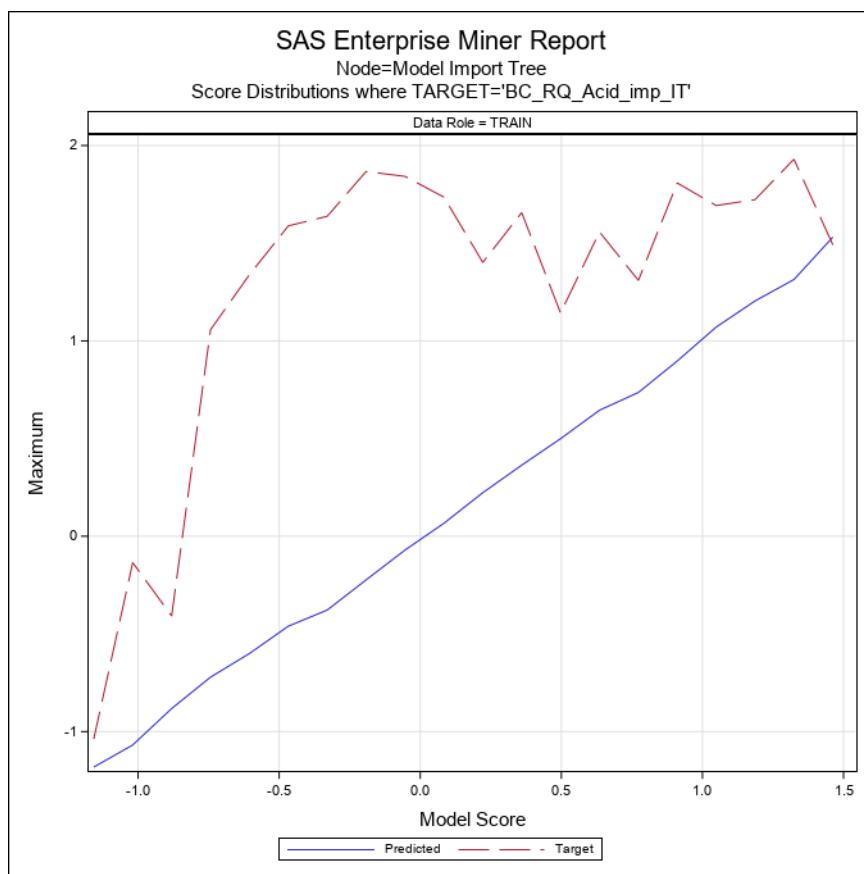
### SAS Enterprise Miner Report

Node=Model Import Tree

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN





### Node=Model Import Tree Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
1.393 - 1.531	1.53102	1.53102	1.53102	1.49143	1.49143	1.49143
1.255 - 1.393	1.31409	1.36351	1.26188	1.25201	1.92987	0.40630
1.118 - 1.255	1.20451	1.22194	1.19145	0.56747	1.72308	-1.29040
0.980 - 1.118	1.07059	1.11408	0.99511	0.97394	1.69276	-0.24068
0.842 - 0.980	0.89703	0.92472	0.84824	1.09439	1.80838	0.01250
0.704 - 0.842	0.73587	0.80276	0.70528	0.69463	1.30987	-1.29040
0.566 - 0.704	0.64491	0.68515	0.58328	0.92712	1.55764	-0.53830
0.428 - 0.566	0.49936	0.54183	0.47986	0.64224	1.14239	0.36845
0.291 - 0.428	0.36381	0.40010	0.33153	0.38118	1.65655	-1.29040
0.153 - 0.291	0.22288	0.28350	0.15784	0.15517	1.40177	-1.29040
0.015 - 0.153	0.06630	0.14311	0.02408	-0.11042	1.73571	-1.29040
-0.123 - 0.015	-0.07084	0.01227	-0.12190	-0.23838	1.84202	-1.29040
-0.261 - -0.123	-0.22343	-0.15948	-0.25092	-0.10569	1.86701	-1.29040
-0.399 - -0.261	-0.37788	-0.26261	-0.39444	-0.34190	1.63777	-1.29040
-0.536 - -0.399	-0.46051	-0.42567	-0.49986	-0.14026	1.58869	-1.29040
-0.674 - -0.536	-0.60040	-0.54439	-0.66713	-0.64541	1.33863	-1.29040
-0.812 - -0.674	-0.72143	-0.70731	-0.75748	-0.64145	1.05704	-1.29040
-0.950 - -0.812	-0.88207	-0.86712	-0.91196	-0.60873	-0.40813	-0.95955
-1.088 - -0.950	-1.06845	-1.06845	-1.06845	-1.04486	-0.13485	-1.29040
-1.226 - -1.088	-1.18165	-1.14570	-1.22564	-1.25112	-1.03562	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import Neural two Summary

Node id = Mdllmp5  
 Node label = Model Import Neural two  
 Meta path = Ids => Trans => Grp5 => HPNNA4 => EndGrp5 => Mdllmp5  
 Notes =

### Node=Model Import Neural two Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import Neural two Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import Neural two Model Fit Statistics

Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

Label of Statistic	Train	Validation	Test
Average Squared Error	0.611	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	3.244	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.781	.	.
Sum of Squared Errors	240.016	.	.

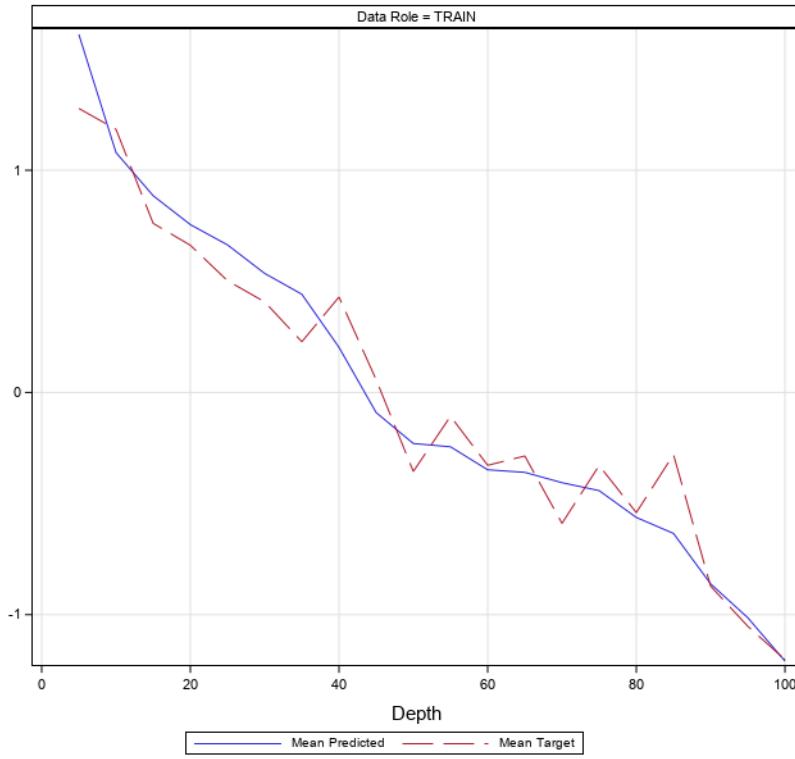
**SAS Enterprise Miner Report**

Node=Model Import Neural two

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

Mean Predicted



Mean Predicted — Mean Target

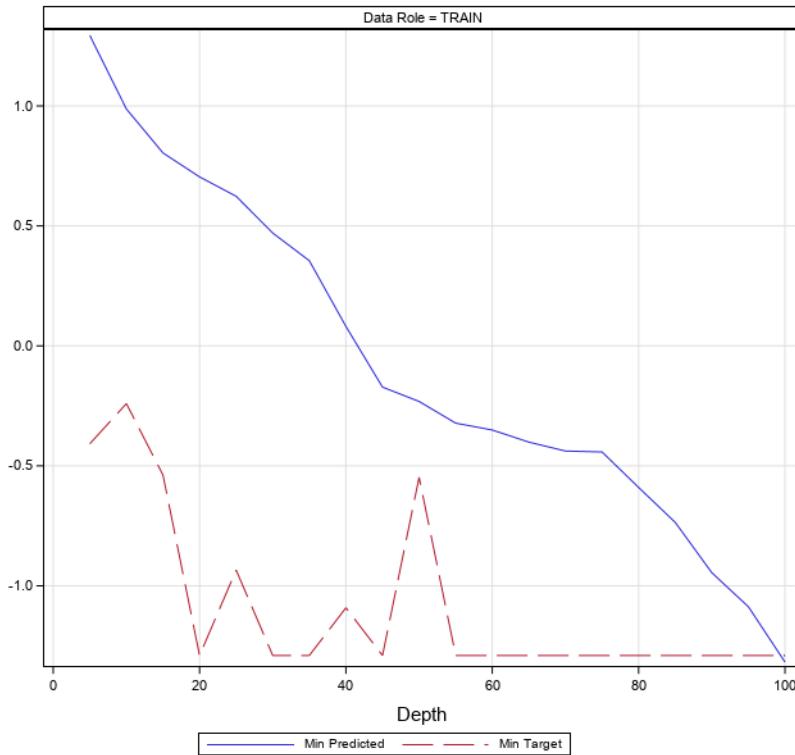
**SAS Enterprise Miner Report**

Node=Model Import Neural two

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

Min Predicted



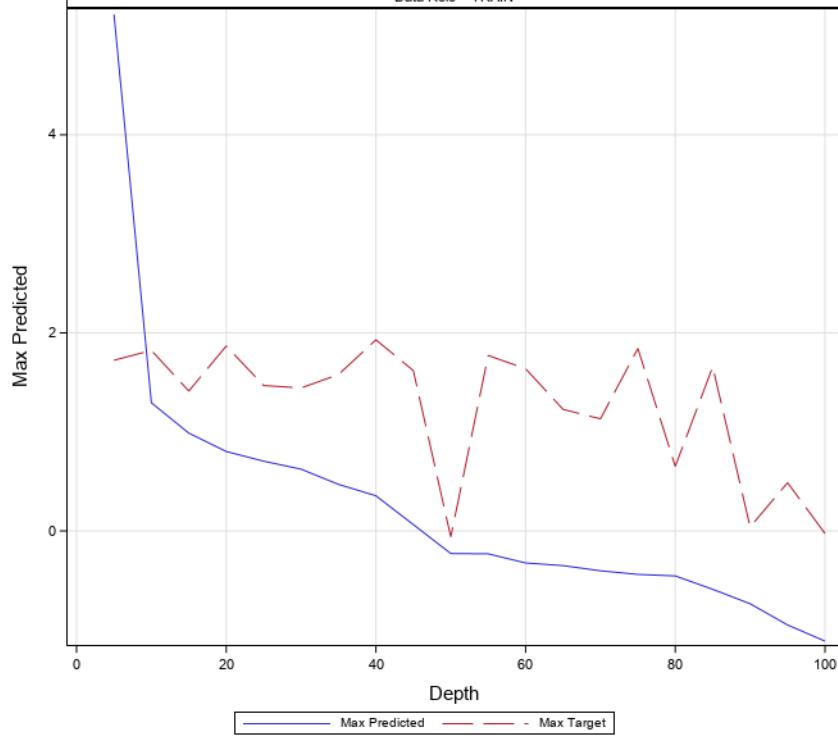
Min Predicted — Min Target

### SAS Enterprise Miner Report

Node=Model Import Neural two

Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN

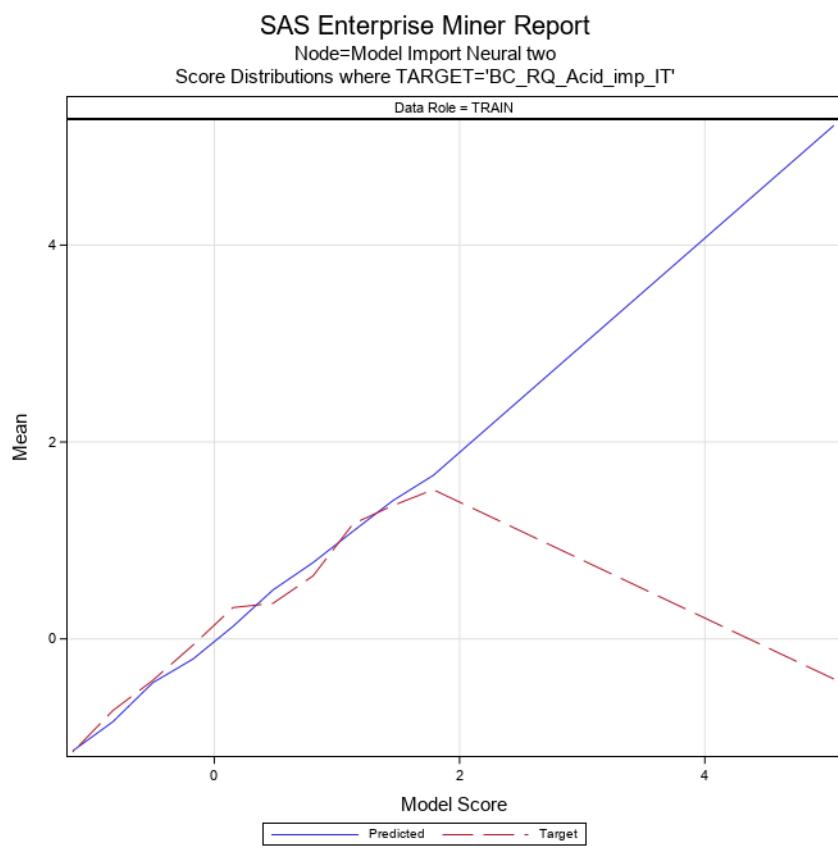


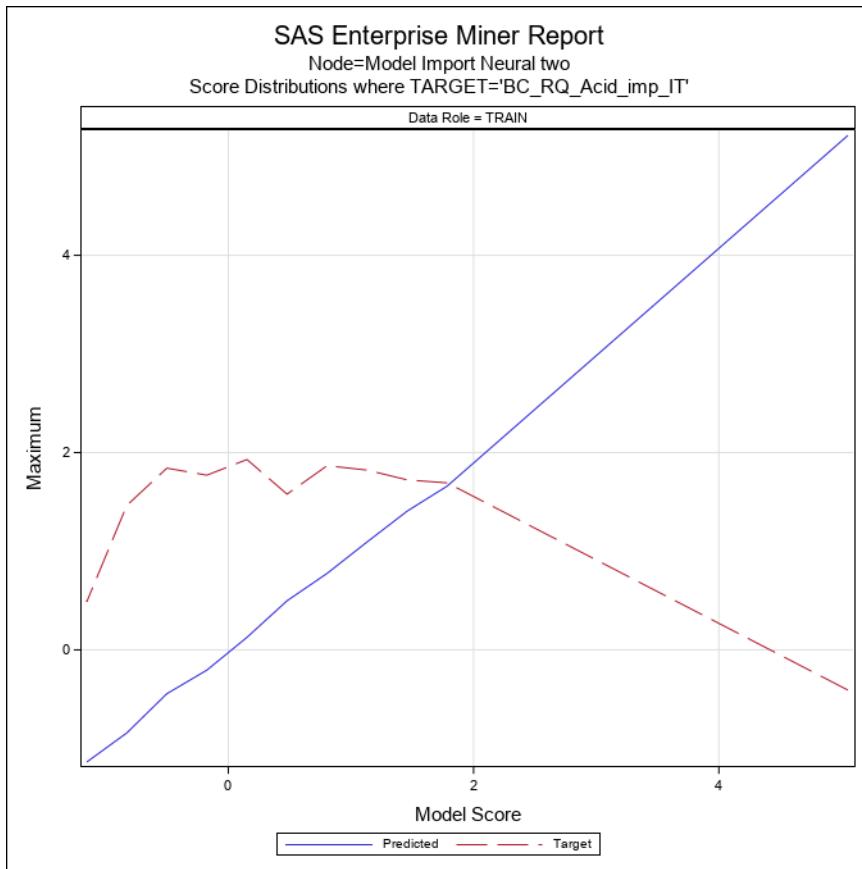
### SAS Enterprise Miner Report

Node=Model Import Neural two

Score Distributions where TARGET='BC\_RQ\_Acid\_imp\_IT'

Data Role = TRAIN





**Node=Model Import Neural two**  
**Score Distributions**

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
4.889 - 5.216	5.21578	5.21578	5.21578	-0.40813	-0.40813	-0.40813
1.622 - 1.949	1.66109	1.69420	1.62799	1.51569	1.69276	1.33863
1.296 - 1.622	1.40689	1.62175	1.31892	1.35573	1.72308	0.16562
0.969 - 1.296	1.09433	1.29384	0.98721	1.16963	1.82242	-0.24068
0.642 - 0.969	0.77515	0.96574	0.64371	0.64027	1.86701	-1.29040
0.316 - 0.642	0.49731	0.63877	0.35479	0.36139	1.57848	-1.29040
-0.011 - 0.316	0.12671	0.31076	-0.00765	0.31810	1.92987	-1.29040
-0.338 - -0.011	-0.20540	-0.01814	-0.33263	-0.06424	1.77106	-1.29040
-0.664 - -0.338	-0.44490	-0.35063	-0.62221	-0.42106	1.84202	-1.29040
-0.991 - -0.664	-0.84261	-0.67972	-0.95007	-0.72907	1.46404	-1.29040
-1.318 - -0.991	-1.13792	-1.00013	-1.31786	-1.14987	0.48660	-1.29040

## SAS Enterprise Miner Report

### Node=Model Import GradBoost Tuned 1 Summary

Node id = Mdllmp2  
 Node label = Model Import GradBoost Tuned 1  
 Meta path = Ids => Trans => Grp8 => Boost2 => EndGrp8 => Mdllmp2  
 Notes =

### Node=Model Import GradBoost Tuned 1 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModellImport		ImportType	DATA		ModelPath		
ApplyDecisions	N		ModelName					

### Node=Model Import GradBoost Tuned 1 Variable Summary

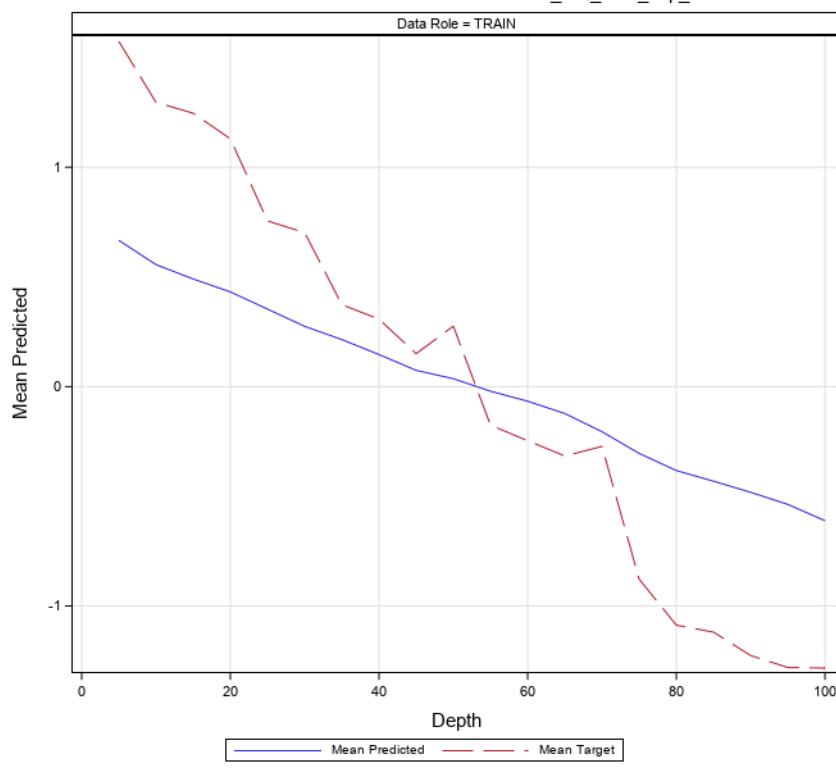
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT
SEGMENT	INTERVAL	1	_fold_
INPUT	INTERVAL	23	ASItot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS
ID	NOMINAL	1	subject

### Node=Model Import GradBoost Tuned 1 Model Fit Statistics

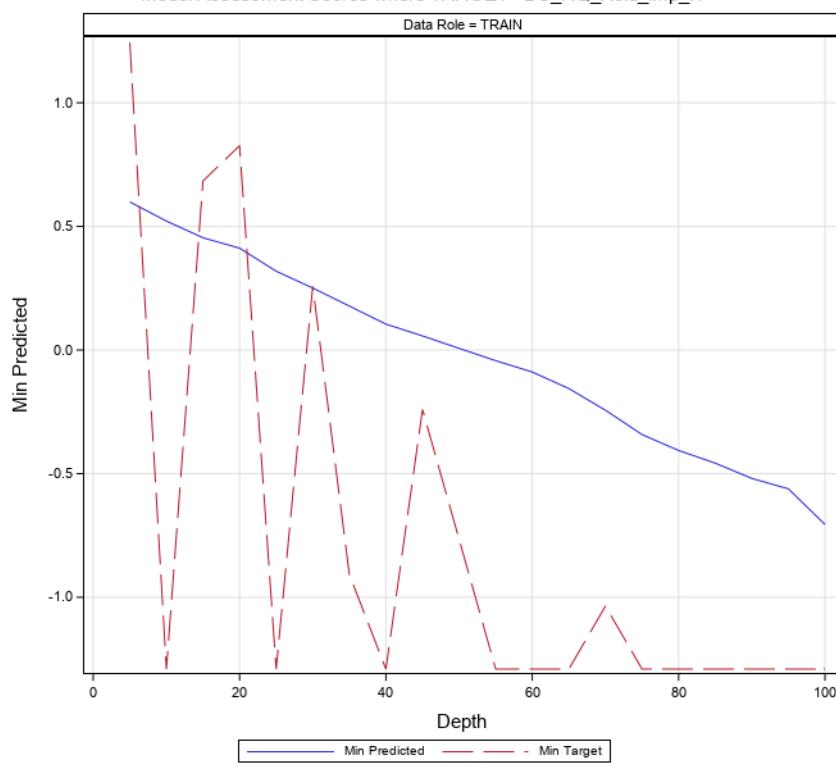
Target=BC\_RQ\_Acid\_imp\_IT Target Label=ReQuest (acid subscale) (Box-Cox transformed)

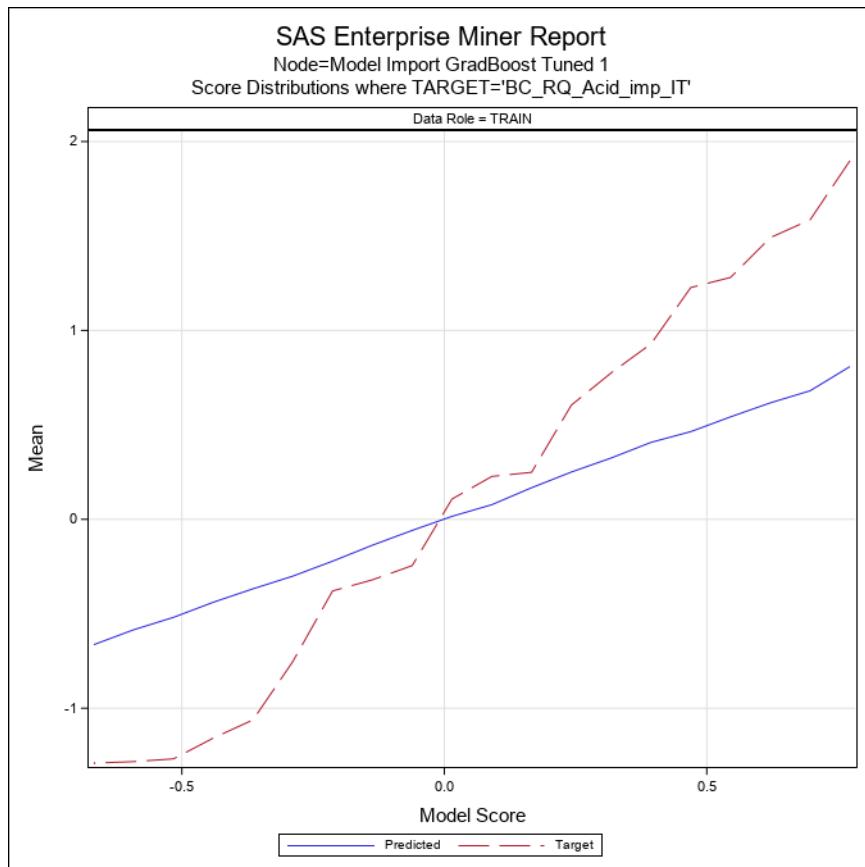
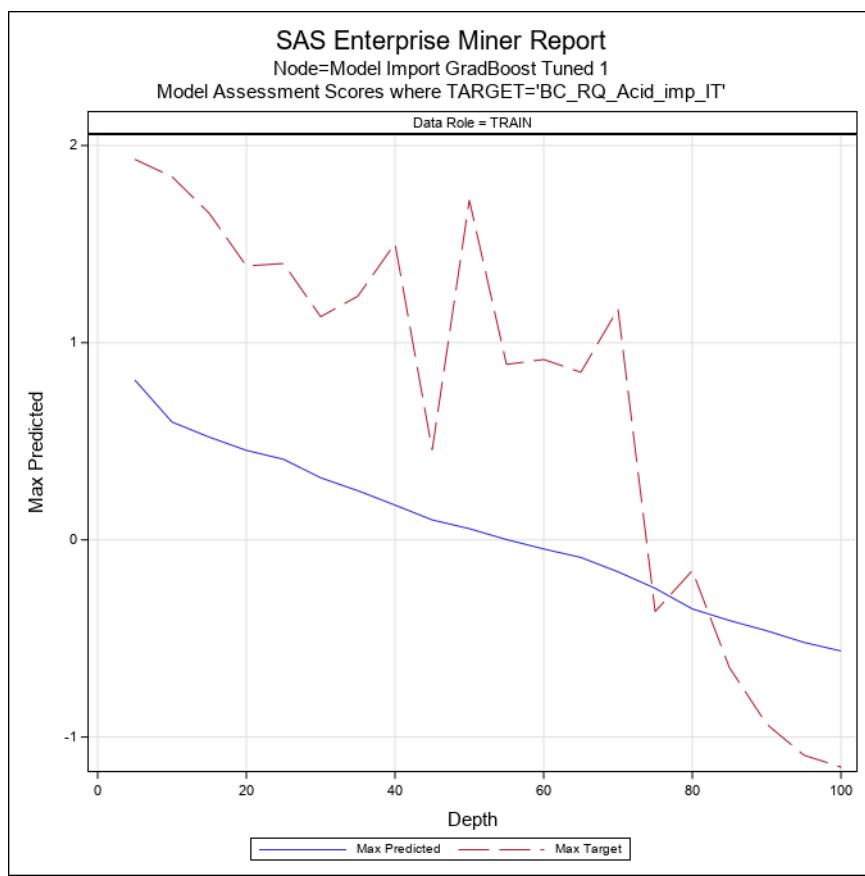
Label of Statistic	Train	Validation	Test
Average Squared Error	0.448	.	.
Divisor for ASE	393.000	.	.
Maximum Absolute Error	1.865	.	.
Sum of Frequencies	393.000	.	.
Root Average Squared Error	0.669	.	.
Sum of Squared Errors	176.082	.	.

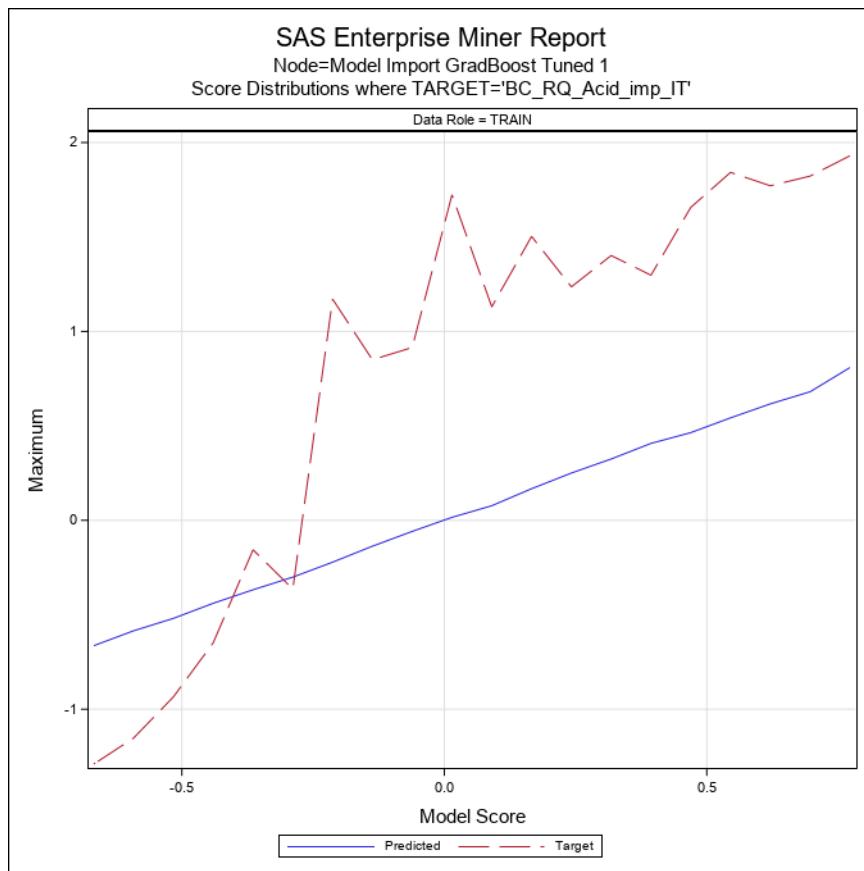
SAS Enterprise Miner Report  
Node=Model Import GradBoost Tuned 1  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'



SAS Enterprise Miner Report  
Node=Model Import GradBoost Tuned 1  
Model Assessment Scores where TARGET='BC\_RQ\_Acid\_imp\_IT'







### Node=Model Import GradBoost Tuned 1

#### Score Distributions

Target Variable=BC\_RQ\_Acid\_imp\_IT Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.735 - 0.811	0.80864	0.81064	0.80664	1.89844	1.92987	1.86701
0.659 - 0.735	0.68062	0.69633	0.66455	1.58562	1.82242	1.39306
0.583 - 0.659	0.61653	0.65721	0.59401	1.49133	1.77106	1.24406
0.507 - 0.583	0.54250	0.57491	0.50812	1.28047	1.84202	-1.29040
0.432 - 0.507	0.46416	0.49554	0.43308	1.22709	1.65655	0.68341
0.356 - 0.432	0.40725	0.43133	0.35902	0.92868	1.29756	0.36155
0.280 - 0.356	0.32467	0.35477	0.28270	0.77515	1.40177	-1.29040
0.204 - 0.280	0.25032	0.27860	0.21454	0.60467	1.23607	0.25719
0.128 - 0.204	0.16728	0.20250	0.12883	0.24880	1.50288	-1.29040
0.053 - 0.128	0.07732	0.12509	0.05479	0.22698	1.12996	-0.24068
-0.023 - 0.053	0.01580	0.04961	-0.01910	0.10730	1.72308	-0.76554
-0.099 - -0.023	-0.05870	-0.02366	-0.09600	-0.24520	0.91488	-1.29040
-0.175 - -0.099	-0.13704	-0.09979	-0.17409	-0.32032	0.84998	-1.29040
-0.251 - -0.175	-0.22157	-0.17687	-0.24761	-0.37897	1.17083	-1.29040
-0.327 - -0.251	-0.30073	-0.26572	-0.32284	-0.75294	-0.36374	-1.29040
-0.402 - -0.327	-0.36776	-0.32833	-0.40115	-1.06172	-0.15603	-1.29040
-0.478 - -0.402	-0.43912	-0.40262	-0.47616	-1.15823	-0.64842	-1.29040
-0.554 - -0.478	-0.51902	-0.47834	-0.55021	-1.26822	-0.93451	-1.29040
-0.630 - -0.554	-0.58481	-0.55404	-0.62315	-1.28273	-1.15235	-1.29040
-0.706 - -0.630	-0.66341	-0.63322	-0.70559	-1.29040	-1.29040	-1.29040

## SAS Enterprise Miner Report

### Node=Model Comparison Summary

Node id = MdlComp2  
 Node label = Model Comparison  
 Meta path = Ids => Trans => Grp10 => Boost4 => EndGrp10 => Mdllmp8 => MdlComp2  
 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	_ASE_	
LiftEpsilon	1E-6		RocChart	Y		TargetLabel	ReQuest (acid subscale) (Box-Cox transformed)	
ModelCriteria	Train: Average Squared Error		RocEpsilon	0.01		TargetName	BC_RQ_Acid_imp_IT	
ModelDescription	Model Import GradBoost Tuned 2		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
ModelId	Mdllmp8		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Y		SelectionCriteria	DEFAULT				

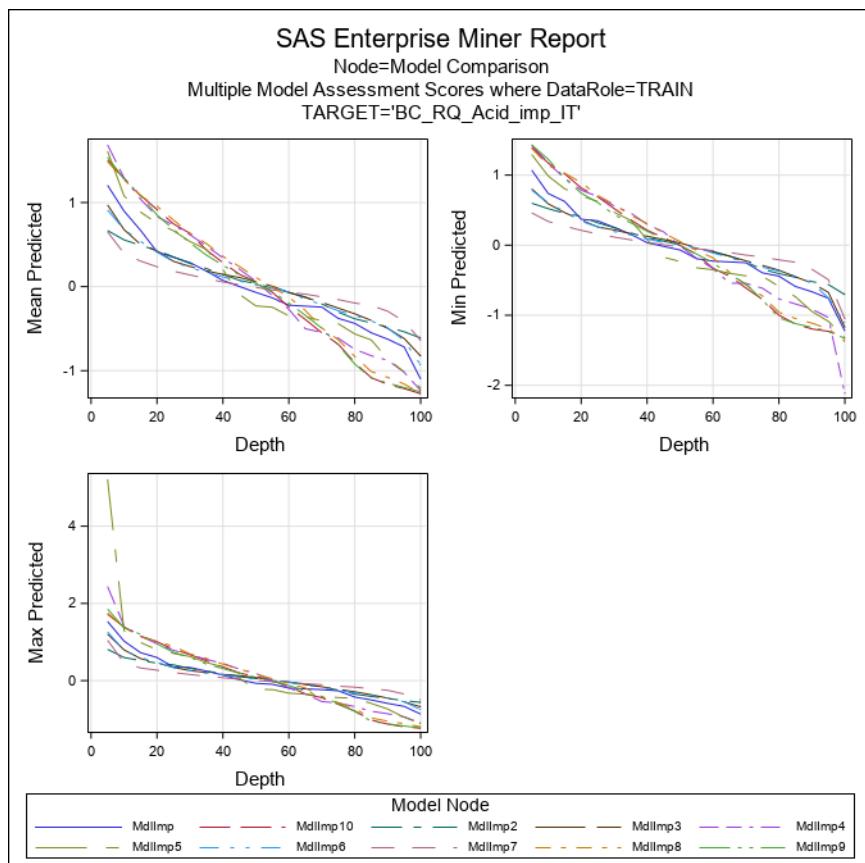
### Node=Model Comparison Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	BC_RQ_Acid_imp_IT

### Node=Model Comparison Fit Statistics Table

Selected Model	Predecessor Node	Model Node	Model Description	Train: Target Variable	Target Label	Selection Criterion: Train: Average Squared Error	Train: Average Squared Error
Y	Mdllmp8	Mdllmp8	Model Import GradBoost Tuned 2	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.12864	0.12864
	Mdllmp10	Mdllmp10	Model Import GradBoost Tuned 3	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.16200	0.16200
	Mdllmp9	Mdllmp9	Model Import GradBoost	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.17906	0.17906
	Mdllmp2	Mdllmp2	Model Import GradBoost Tuned 1	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.44805	0.44805
	Mdllmp4	Mdllmp4	Model Import Neural one	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.57795	0.57795
	Mdllmp5	Mdllmp5	Model Import Neural two	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.61073	0.61073
	Mdllmp	Mdllmp	Model Import Tree	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.75907	0.75907
	Mdllmp3	Mdllmp3	Model Import DMNeural	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.77046	0.77046

Selected Model	Predecessor Node	Model Node	Model Description	Train: Target Variable	Target Label	Selection Criterion: Train: Average Squared Error	Train: Average Squared Error
	MdImp6	MdImp6	Model Import Regression stepwise	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.82249	0.82249
	MdImp7	MdImp7	Model Import Regression LASSO	BC_RQ_Acid_imp_IT	ReQuest (acid subscale) (Box-Cox transformed)	0.87313	0.87313



## SAS Enterprise Miner Report

### Node=StatExplore Summary

Node id = Stat  
 Node label = StatExplore  
 Meta path = Ids => Trans => Grp10 => Boost4 => EndGrp10 => MdImp8 => MdComp2 => Stat  
 Notes =

### Node=StatExplore Properties

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

### Node=StatExplore Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	22	ASltot_imp_IT BAQtot_imp_IT CTQtot_imp_IT IAS_health_anx_imp_IT IAS_illness_behav_imp_IT LSAStot_imp_IT NEO_A_imp_IT NEO_C_imp_IT NEO_E_imp_IT NEO_N_imp_IT NEO_O_imp_IT PASStot_imp_IT ... TOTAL_nr
INPUT	NOMINAL	2	classification pH_MII_ON_OFF_INF_MISS

Target	Variable	Importance	Worth	Analysis Variable	Label	plot
BC_RQ_Acid_imp_IT	VStot_imp_IT	1	0.073967	1	Visceral Sensitivity Index	.
BC_RQ_Acid_imp_IT	IAS_illness_behav_imp_IT	2	0.066858	1	IAS (illness behavior subscale)	.
BC_RQ_Acid_imp_IT	BAQtot_imp_IT	3	0.066675	1	Body Awareness Questionnaire (total score)	.
BC_RQ_Acid_imp_IT	PASStot_imp_IT	4	0.065769	1	Pain Anxiety Symptoms Scale (total score)	.
BC_RQ_Acid_imp_IT	PHQ9dep_imp_IT	5	0.064533	1	Patient Health Questionnaire 9 (depression)	.
BC_RQ_Acid_imp_IT	PCCLcat_imp_IT	6	0.060519	1	PCCL (catastrophizing subscale)	.
BC_RQ_Acid_imp_IT	ASltot_imp_IT	7	0.057698	1	Anxiety Sensitivity Index	.
BC_RQ_Acid_imp_IT	PTSDtotaal_imp_IT	8	0.054163	1	PTSD-ZIL (total score)	.
BC_RQ_Acid_imp_IT	IAS_health_anx_imp_IT	9	0.049348	1	IAS (health anxiety subscale)	.
BC_RQ_Acid_imp_IT	PCCLint_imp_IT	10	0.048502	1	PCCL (internal pain control subscale)	.
BC_RQ_Acid_imp_IT	NEO_C_imp_IT	11	0.046518	1	NEO-FFI (conscientiousness subscale)	.
BC_RQ_Acid_imp_IT	NEO_A_imp_IT	12	0.046410	1	NEO-FFI (agreeableness subscale)	.
BC_RQ_Acid_imp_IT	TOTAL_nr	13	0.042859	1	total number of reflux events	.
BC_RQ_Acid_imp_IT	LSAStot_imp_IT	14	0.042814	1	Liebowitz Social Anxiety Scale (total score)	.
BC_RQ_Acid_imp_IT	STAItot_imp_IT	15	0.040753	1	STAI (trait subscale)	.
BC_RQ_Acid_imp_IT	CTQtot_imp_IT	16	0.040314	1	Childhood Trauma Questionnaire (total score)	.
BC_RQ_Acid_imp_IT	classification	17	0.040217	1	reflux subgroup	.
BC_RQ_Acid_imp_IT	NEO_O_imp_IT	18	0.034188	1	NEO-FFI (openness to experience subscale)	.
BC_RQ_Acid_imp_IT	NEO_E_imp_IT	19	0.029807	1	NEO-FFI (extraversion subscale)	.
BC_RQ_Acid_imp_IT	NEO_N_imp_IT	20	0.028868	1	NEO-FFI (neuroticism subscale)	.
BC_RQ_Acid_imp_IT	tot_vol_exp_imp	21	0.028354	1	total volume exposure ()	.
BC_RQ_Acid_imp_IT	PCCLpco_imp_IT	22	0.028090	1	PCCL (pain coping subscale)	.
BC_RQ_Acid_imp_IT	PCCLext_imp_IT	23	0.025095	1	PCCL (external pain control subscale)	.
BC_RQ_Acid_imp_IT	pH_MII_ON_OFF_INF_MISS	24	0.003482	1	PPI intake during pH-MII (informative missing)	.

# SAS Enterprise Miner Report

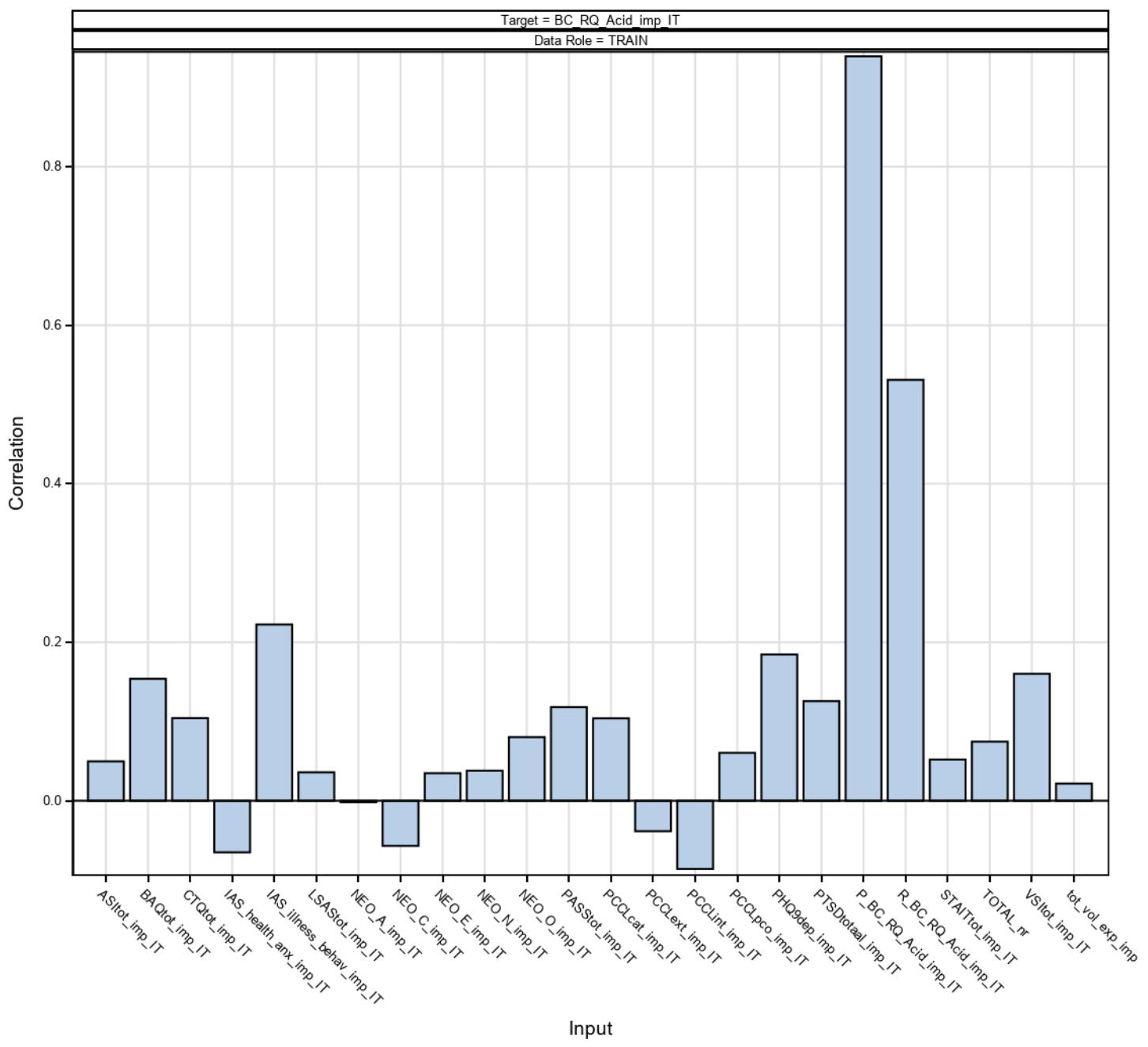
Node=StatExplore

Correlation Plot

CORRTYPE='PEARSON'

Target = BC\_RQ\_Acid\_imp\_IT

Data Role = TRAIN

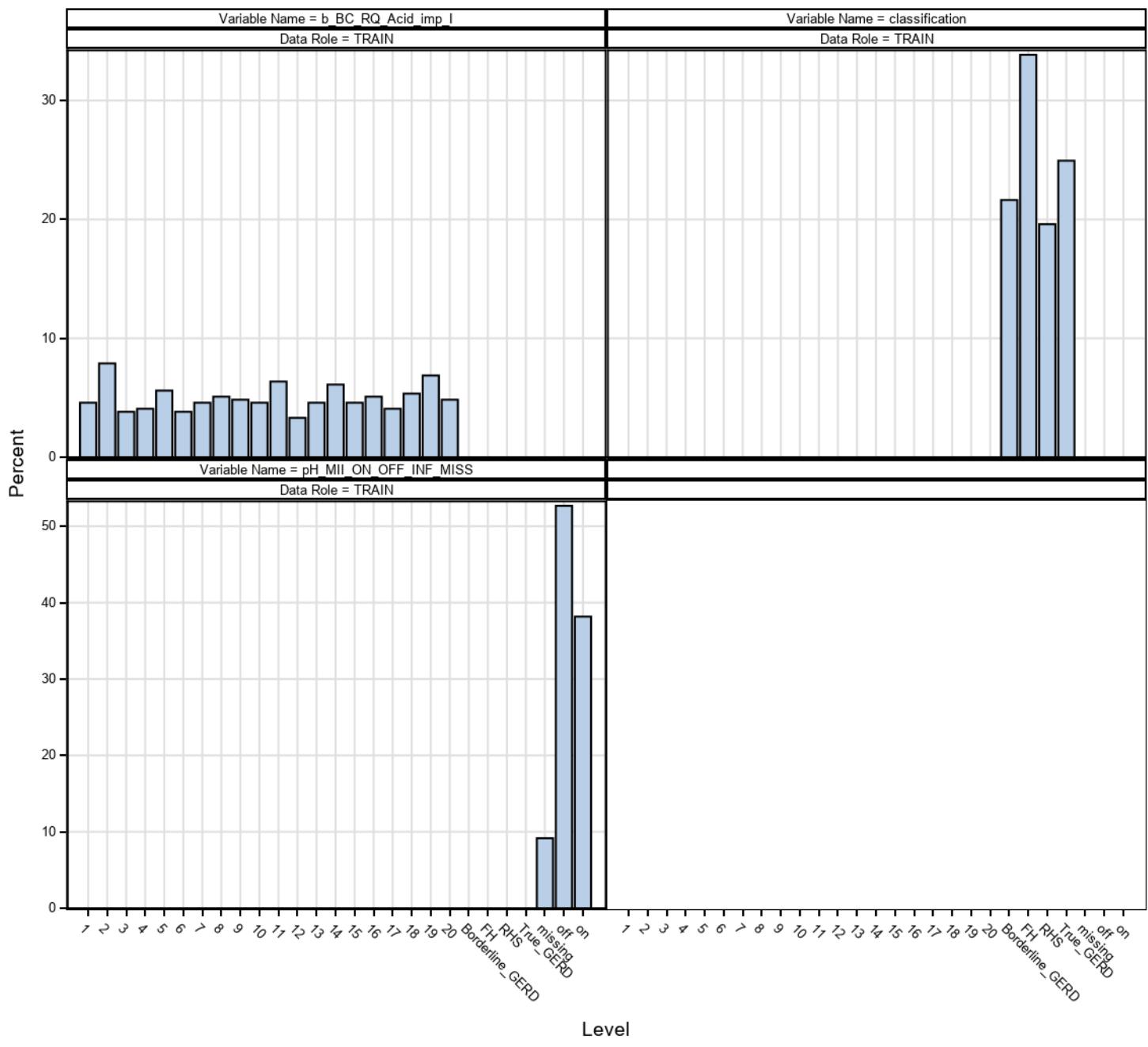


# SAS Enterprise Miner Report

Node=StatExplore

Class Variables

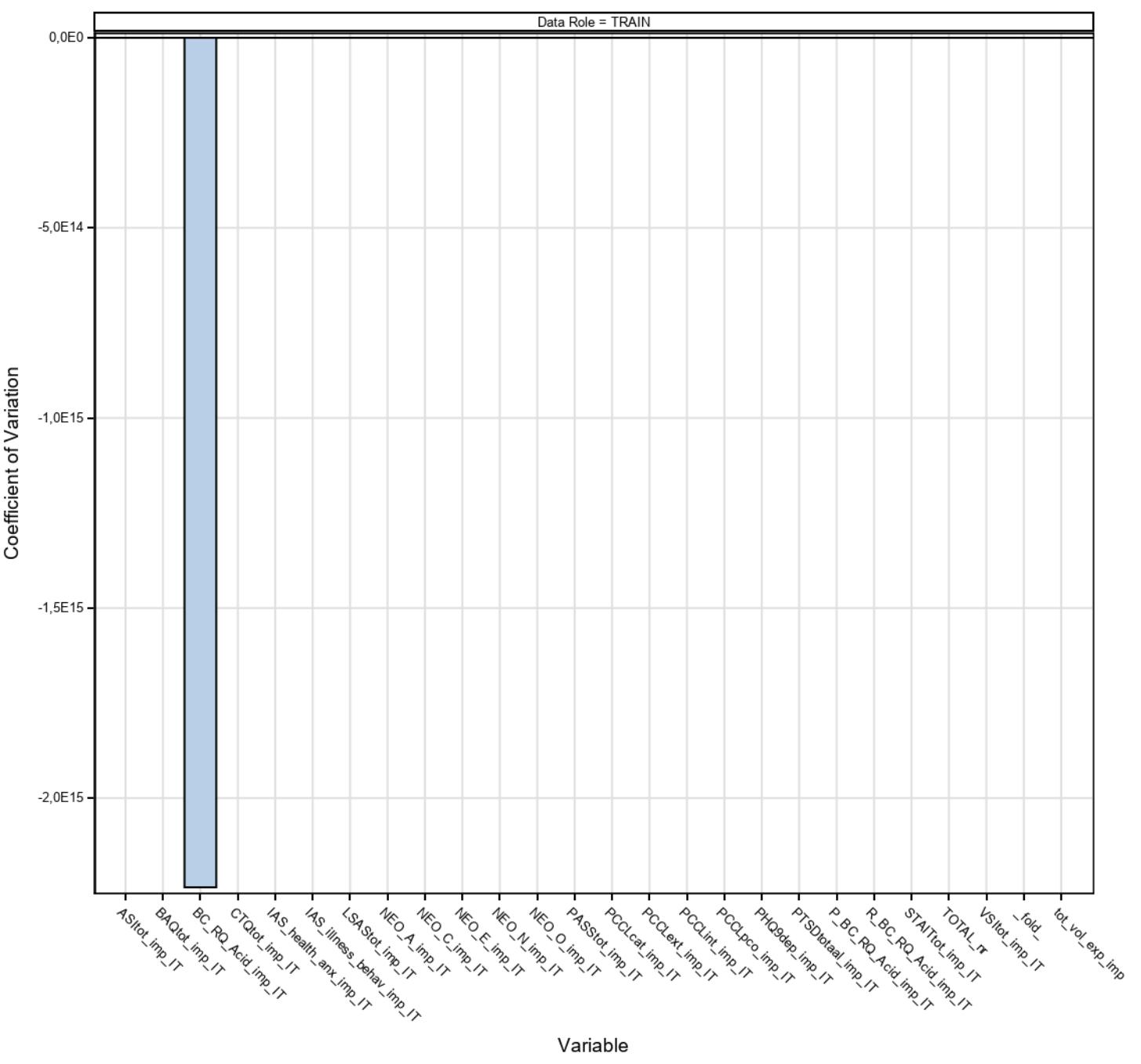
PLOT=1



# SAS Enterprise Miner Report

Node=StatExplore

Interval Variables



End of Report