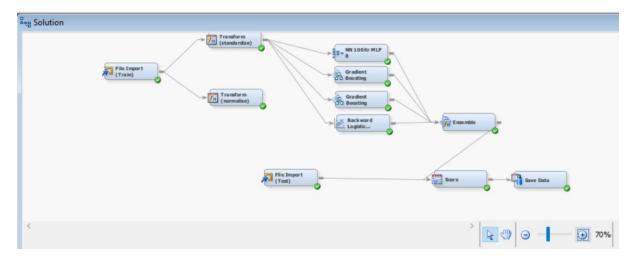
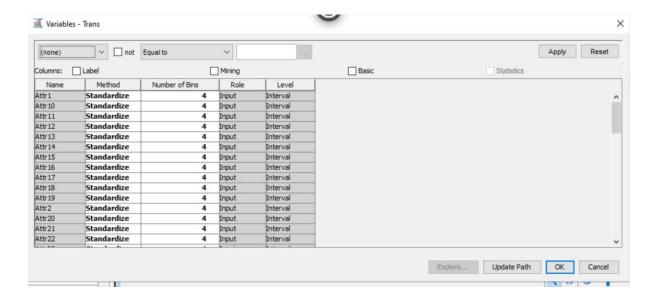
# **Project 1**

We used an ensemble model for this with NN, 2 GB models, and 1 backward logistic regression model

## **Diagram - Solution**



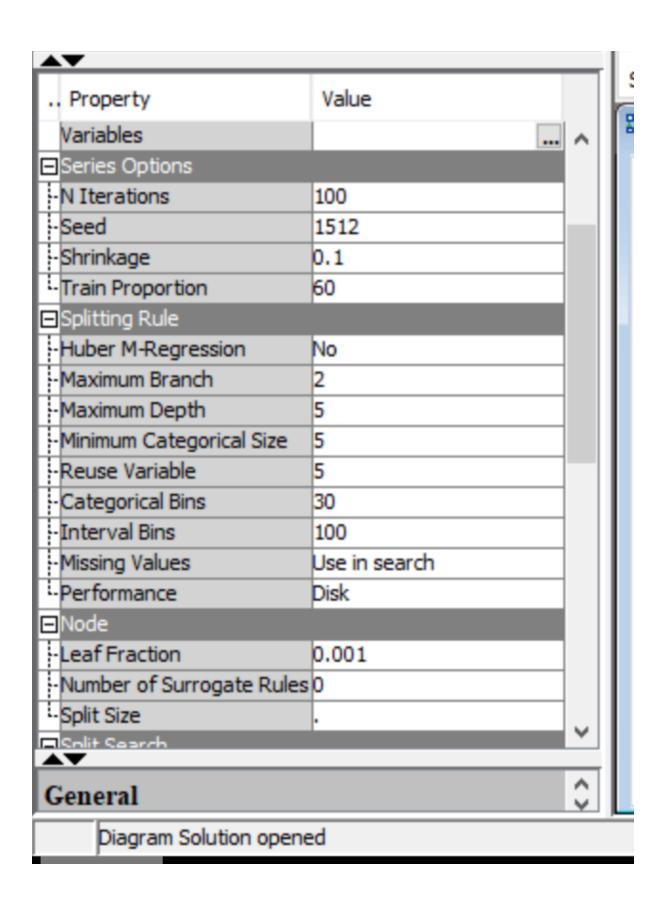
#### **Transform Variable: Standardize**



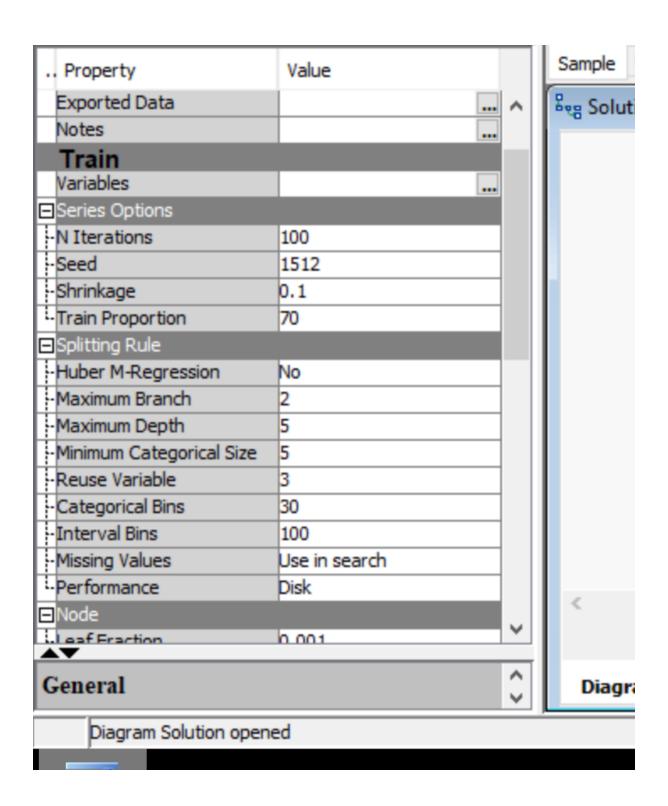
#### NN:

Train			
Variables			
Continue Training	No		
Network			
Optimization			
Initialization Seed	1908		
Model Selection Criterion	Misclassification		
Suppress Output	No		
Score			
Hidden Units	No		
Residuals	Yes		
Standardization	Yes		
Status			
Create Time	11/28/23 3:47 PM	~	
General			
			<
General Properties			

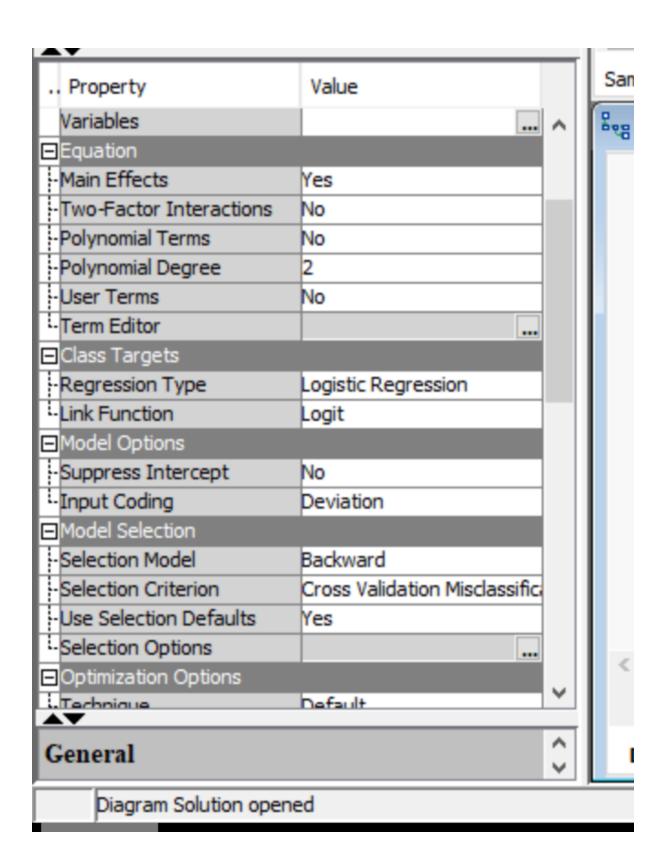
## GB 1:



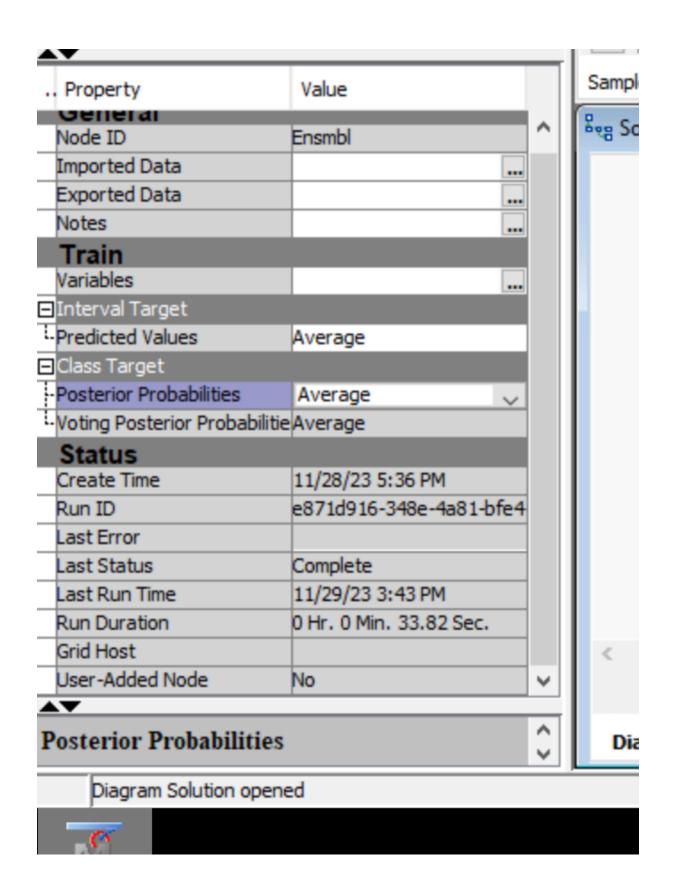
GB 2:



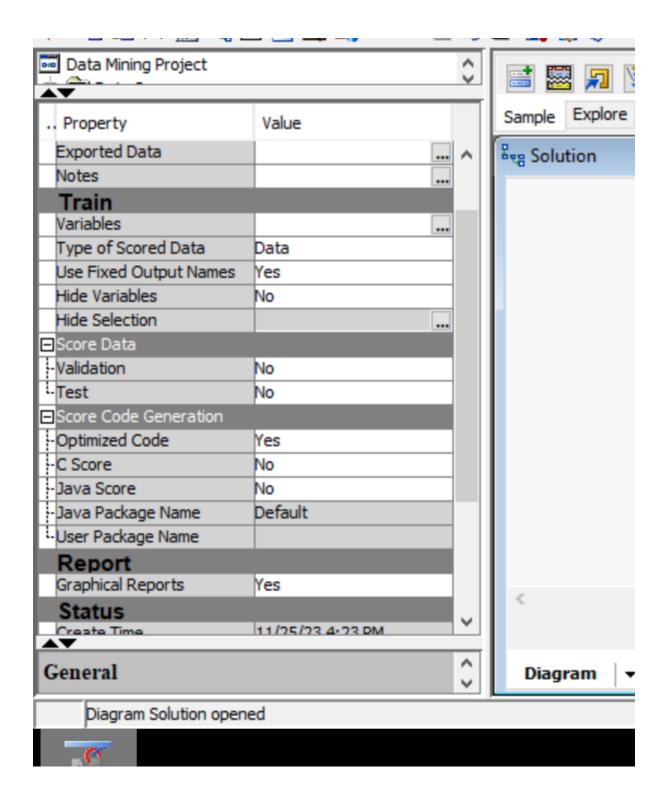
**Logistic Regression – Backward:** 



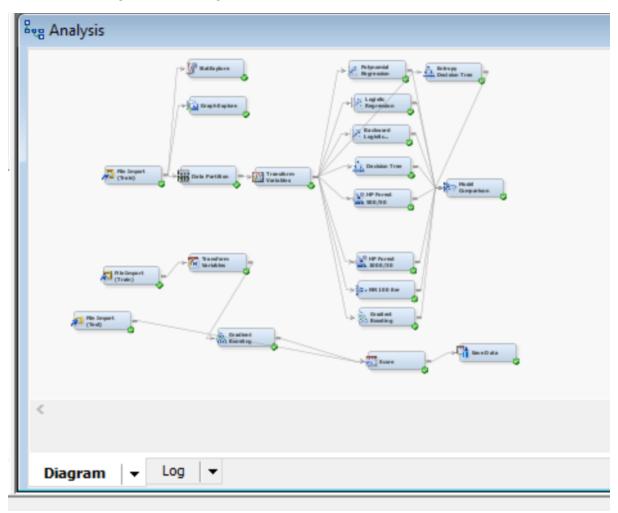
#### **Ensemble:**



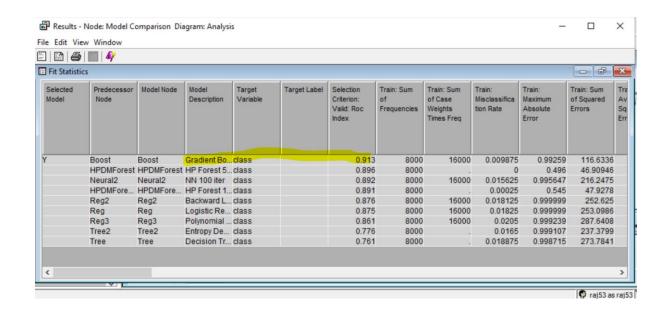
Score:

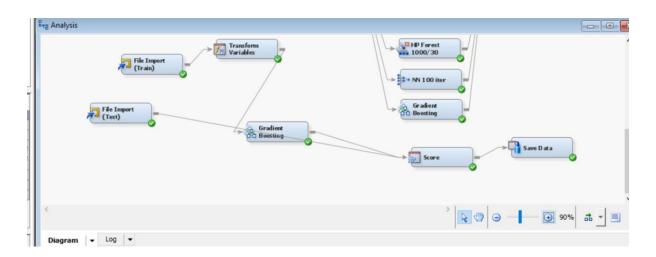


For the second project, we tried many different models and then went ahead which had the highest ROC in validation (gradient boosting)

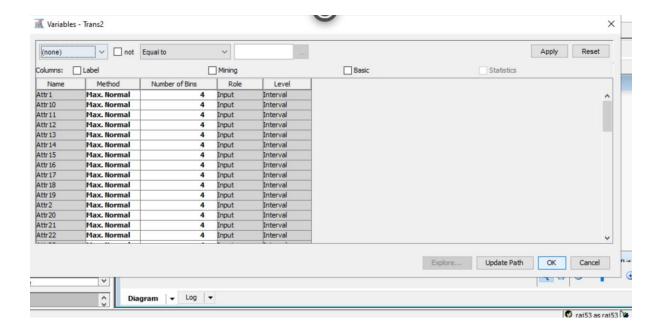


This was the final model selected:





**Transformation – Max Normal** 



### **GB** paramaters:

