

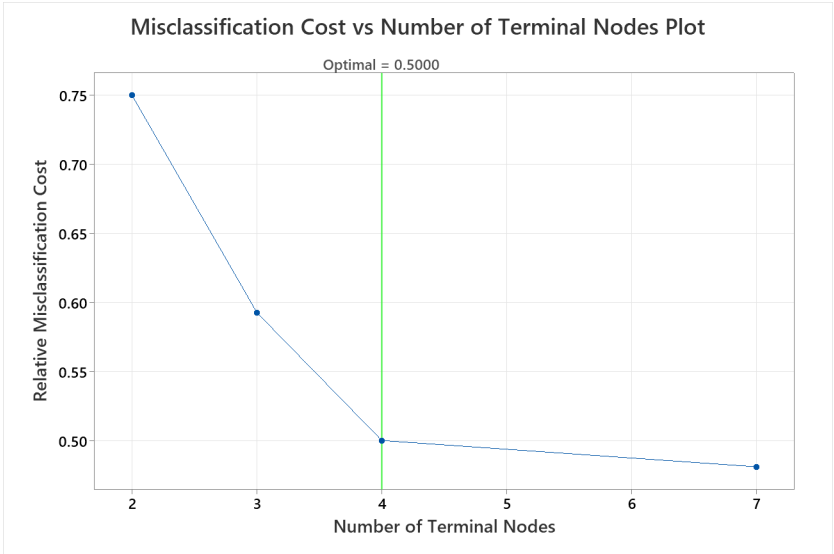
Untitled Report

Method

Prior probabilities	Same for all classes
Node splitting	Gini
Optimal tree	Within 1 standard error of minimum misclassification cost
Model validation	10-fold cross-validation
Rows used	200

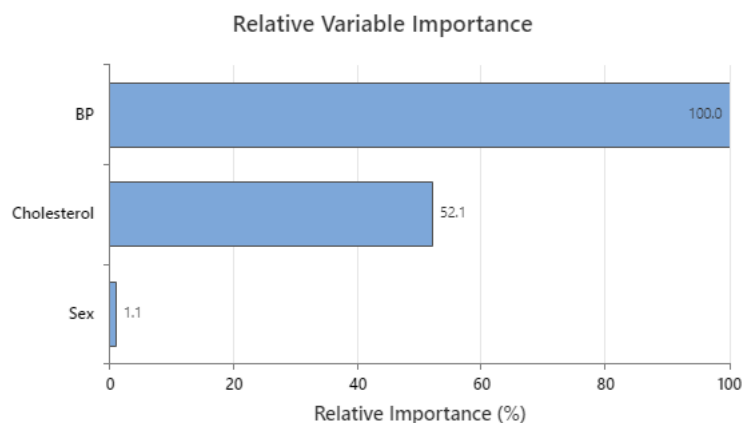
Multinomial Response Information

Variable	Class	Count	%
Drug	drugA	23	11.50
	drugB	16	8.00
	drugC	16	8.00
	drugX	54	27.00
	drugY	91	45.50
	All	200	100.00



Model Summary

Total predictors	3
Important predictors	3
Number of terminal nodes	4
Minimum terminal node size	31
Misclassification cost (Training)	0.5000
Misclassification cost (Test)	0.5000
Area under ROC curve	
Drug = drugA vs not	0.8475
Drug = drugB vs not	0.8342
Drug = drugC vs not	0.9592
Drug = drugX vs not	0.8779
Drug = drugY vs not	0.5464



Variable importance measures model improvement when splits are made on a predictor. Relative importance is defined as % improvement with respect to the top predictor.

Confusion Matrix

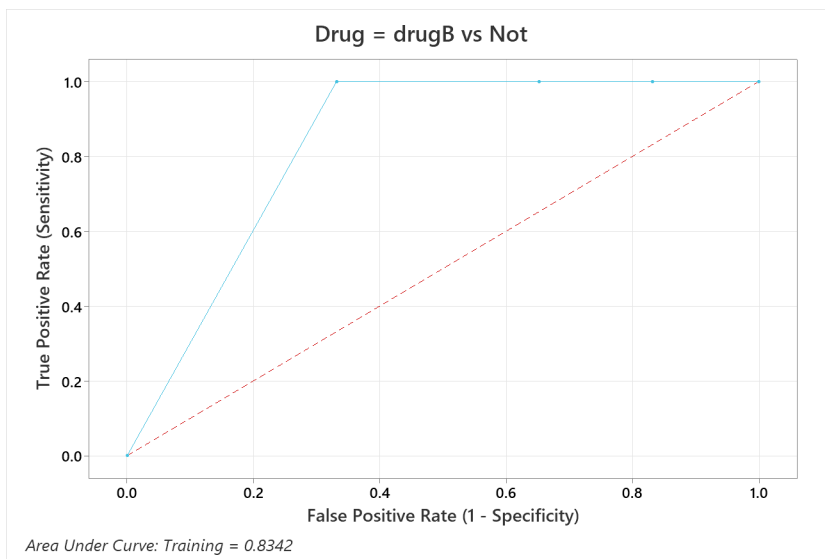
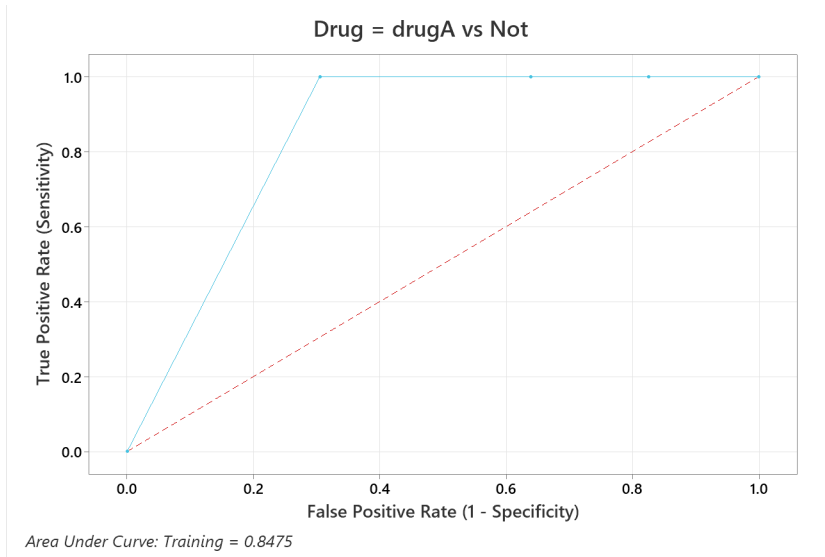
Actual Class	Count	Predicted Class (Training)					% Correct
		drugA	drugB	drugC	drugX	drugY	
drugA	23	23	0	0	0	0	100.0
drugB	16	16	0	0	0	0	0.0
drugC	16	0	0	16	0	0	100.0
drugX	54	0	0	0	54	0	100.0
drugY	91	38	0	15	38	0	0.0
All	200	77	0	31	92	0	46.5

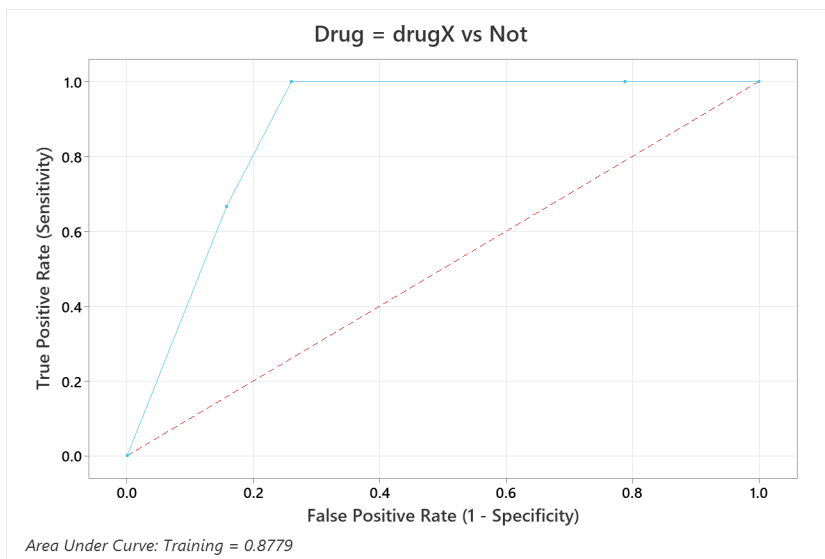
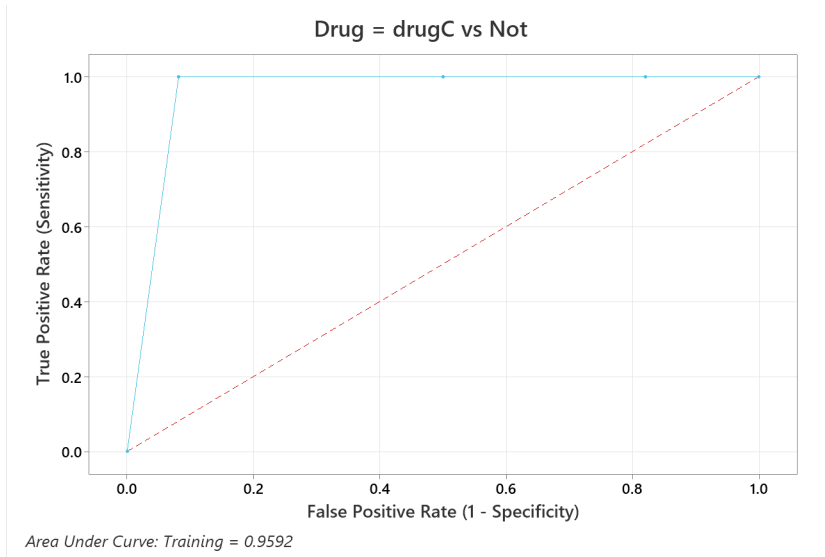
Actual Class	Count	Predicted Class (Test)					% Correct
		drugA	drugB	drugC	drugX	drugY	
drugA	23	23	0	0	0	0	100.0
drugB	16	16	0	0	0	0	0.0
drugC	16	0	0	16	0	0	100.0
drugX	54	0	0	0	54	0	100.0
drugY	91	38	0	15	38	0	0.0
All	200	77	0	31	92	0	46.5

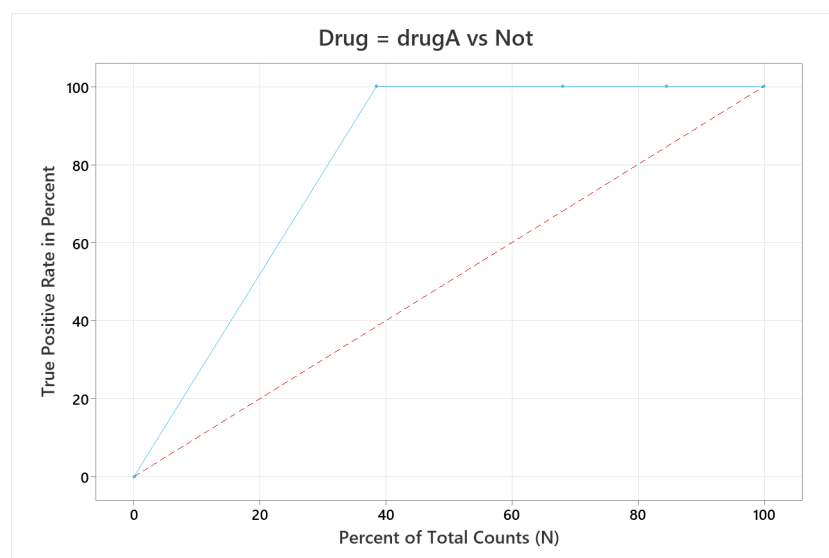
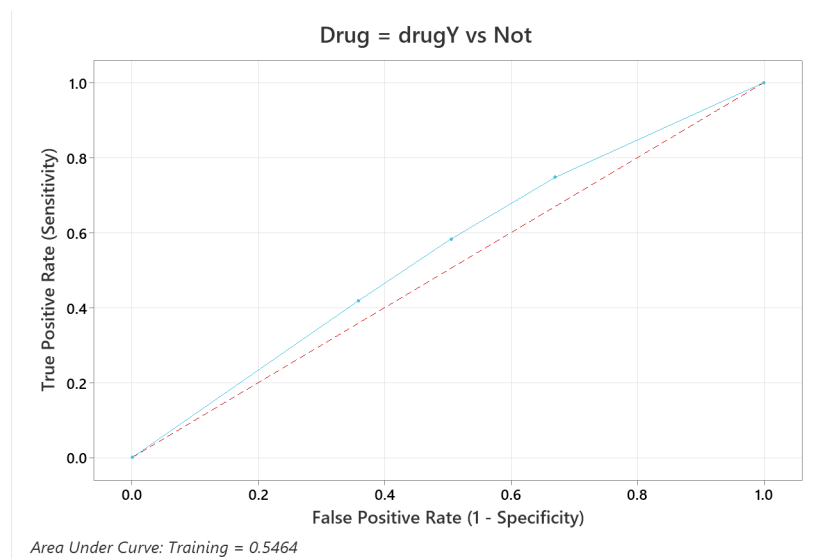
Misclassification

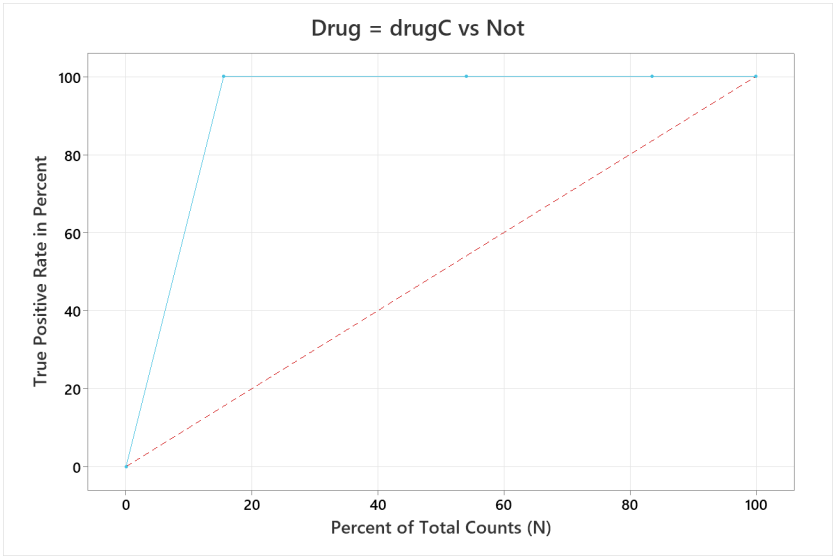
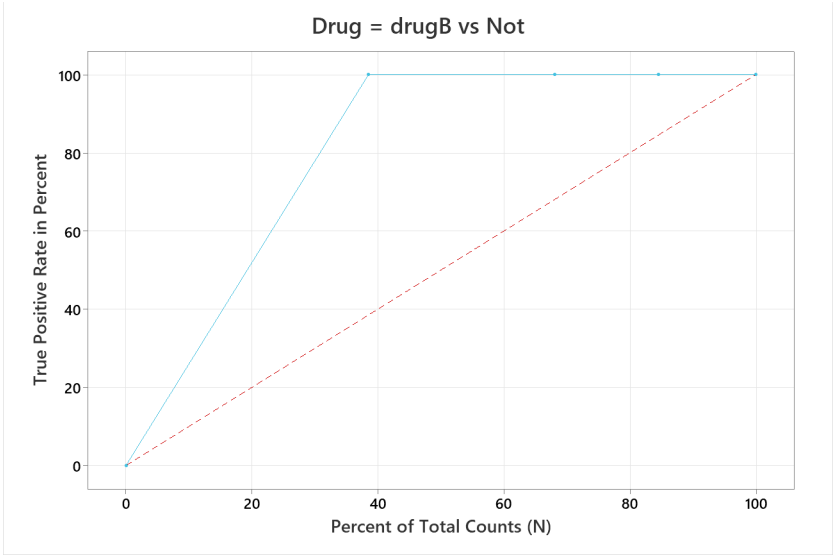
Input Misclassification Cost	Predicted Class					
	Actual Class	drugA	drugB	drugC	drugX	drugY
drugA		1.00	1.00	1.00	1.00	
drugB	1.00		1.00	1.00	1.00	
drugC	1.00	1.00		1.00	1.00	
drugX	1.00	1.00	1.00		1.00	
drugY	1.00	1.00	1.00	1.00		

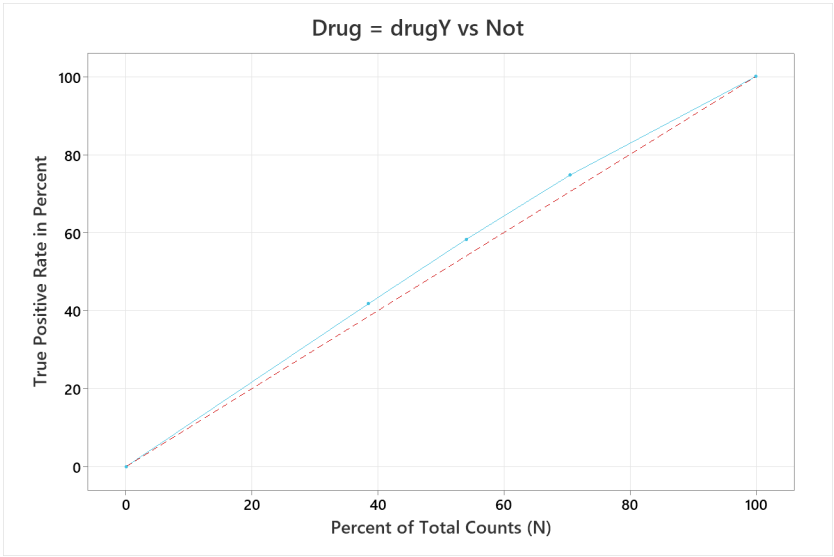
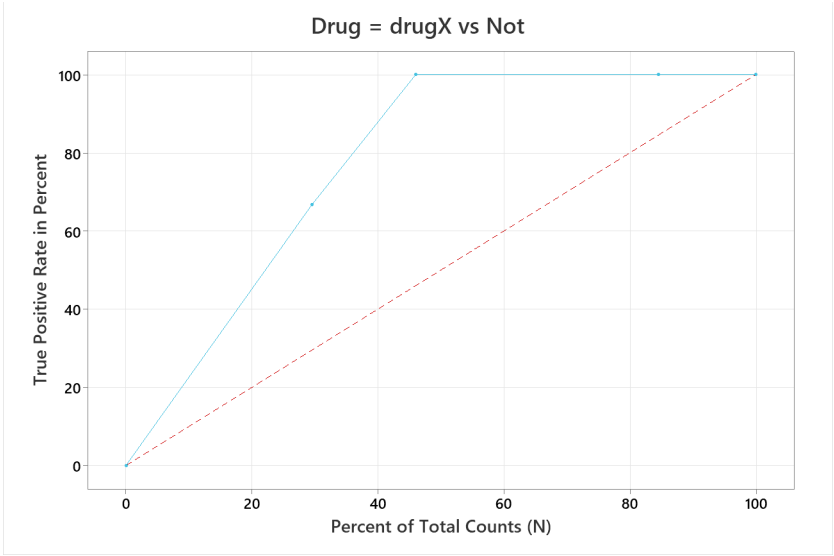
Actual Class	Count	Training			Test		
		Misclassified	% Error	Cost	Misclassified	% Error	Cost
drugA	23	0	0.0	0.0000	0	0.0	0.0000
drugB	16	16	100.0	1.0000	16	100.0	1.0000
drugC	16	0	0.0	0.0000	0	0.0	0.0000
drugX	54	0	0.0	0.0000	0	0.0	0.0000
drugY	91	91	100.0	1.0000	91	100.0	1.0000
All	200	107	53.5	0.4000	107	53.5	0.4000

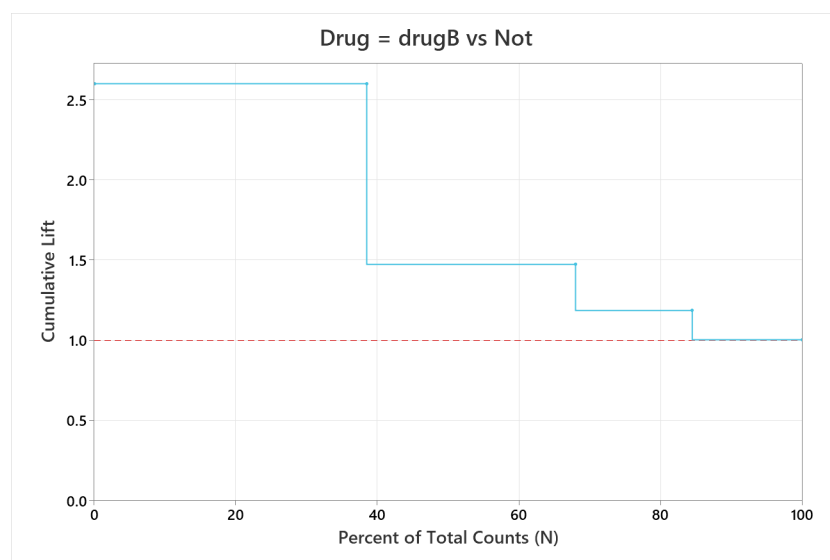
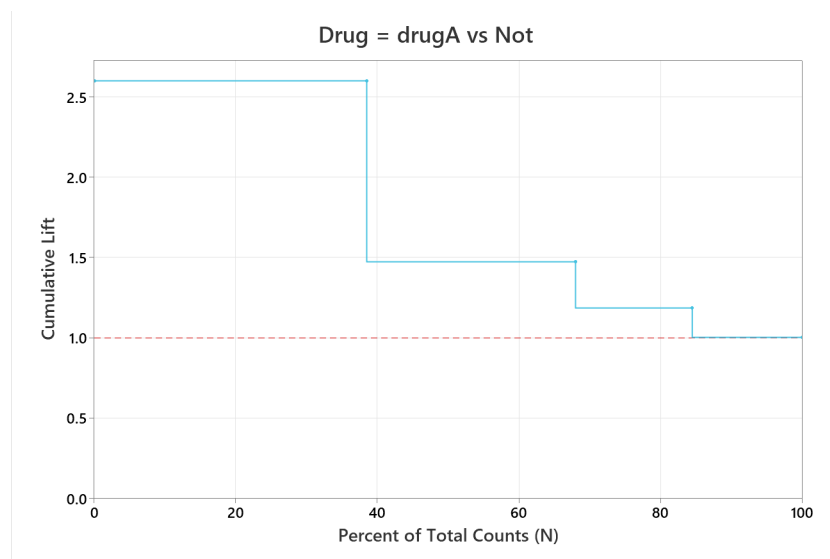




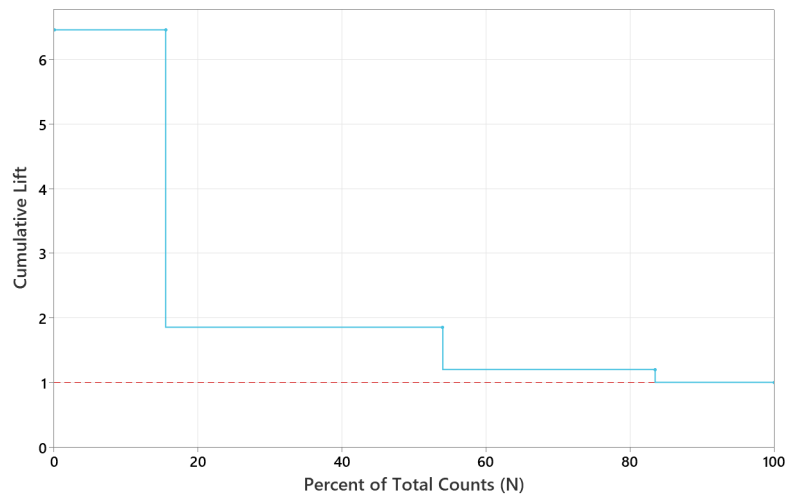




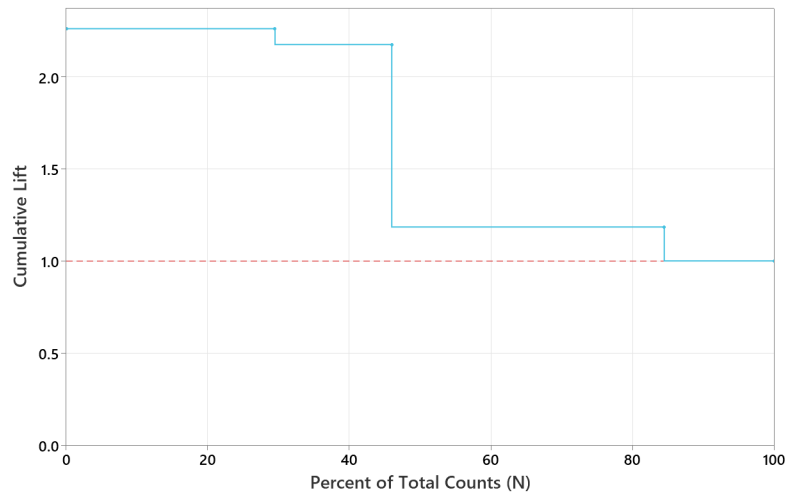


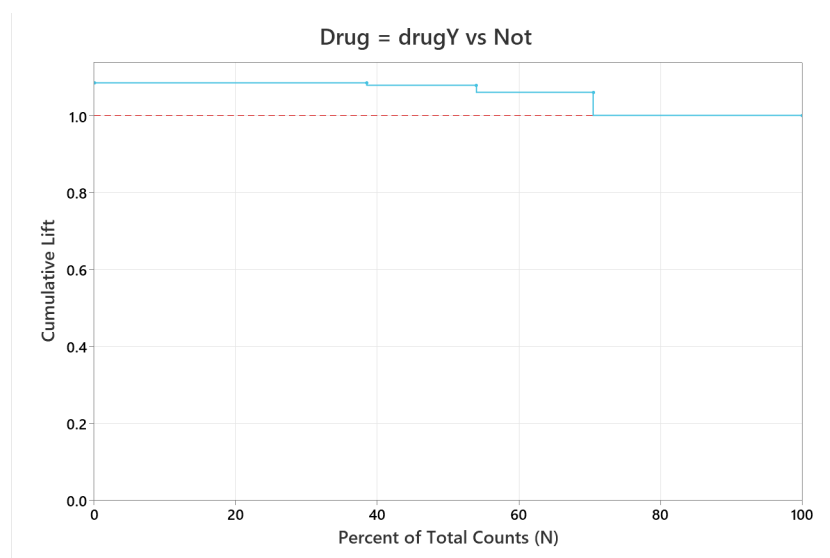


Drug = drugC vs Not



Drug = drugX vs Not





Settings

Sex = F, BP = HIGH, Cholesterol = NORMAL

Prediction

Obs	Terminal Node ID	Class	Prob (Class = drugA)	Prob (Class = drugB)	Prob (Class = drugC)	Prob (Class = drugX)	Prob (Class = drugY)
1	4	drugA	0.298701	0.207792	0	0	0.493506

Settings

Sex = M, BP = NORMAL, Cholesterol = HIGH

Prediction

Obs	Terminal Node ID	Class	Prob (Class = drugA)	Prob (Class = drugB)	Prob (Class = drugC)	Prob (Class = drugX)	Prob (Class = drugY)
2	1	drugX	0	0	0	0.610169	0.389831

Settings

Sex = M, BP = NORMAL, Cholesterol = NORMAL

Prediction

Obs	Terminal Node ID	Class	Prob (Class = drugA)	Prob (Class = drugB)	Prob (Class = drugC)	Prob (Class = drugX)	Prob (Class = drugY)
3	1	drugX	0	0	0	0.610169	0.389831