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The SAS System

Obs	class	age	menopause	tumor_size	inv_nodes	node_caps	deg_malig	breast	breast_quad	irradiat
1	no- recurrence- events	30-39	premeno	30-34	0-2	no	3	left	left_low	no
2	no- recurrence- events	40-49	premeno	20-24	0-2	no	2	right	right_up	no
3	no- recurrence- events	40-49	premeno	20-24	0-2	no	2	left	left_low	no
4	no- recurrence- events	60-69	ge40	15-19	0-2	no	2	right	left_up	no
5	no- recurrence- events	40-49	premeno	0-4	0-2	no	2	right	right_low	no
6	no- recurrence- events	60-69	ge40	15-19	0-2	no	2	left	left_low	no
7	no- recurrence- events	50-59	premeno	25-29	0-2	no	2	left	left_low	no
8	no- recurrence- events	60-69	ge40	20-24	0-2	no	1	left	left_low	no
9	no- recurrence- events	40-49	premeno	50-54	0-2	no	2	left	left_low	no
10	no- recurrence- events	40-49	premeno	20-24	0-2	no	2	right	left_up	no

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The SAS System

Performance Information				
Execution Mode	Single-Machine			
Number of Threads	2			

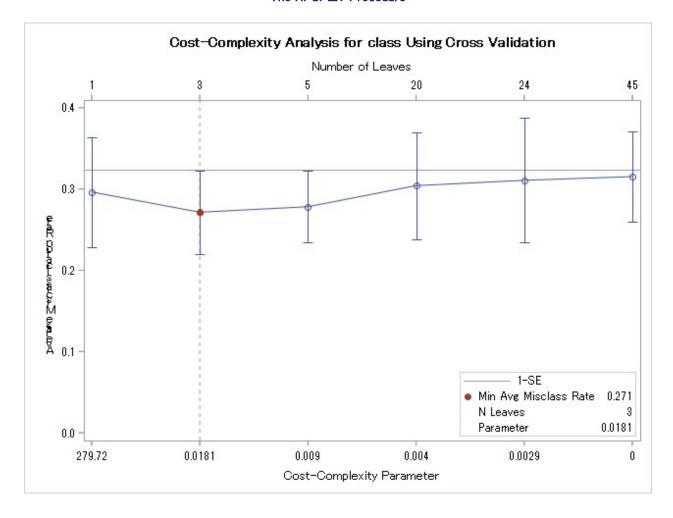
Data Access Information					
Data	Engine	Role	Path		
WORK.BCDATA	V9	Input	On Client		

Model Information				
Split Criterion Used	Entropy			
Pruning Method	Cost-Complexity			
Subtree Evaluation Criterion	Cost-Complexity			
Number of Branches	2			
Maximum Tree Depth Requested	10			
Maximum Tree Depth Achieved	10			
Tree Depth	2			
Number of Leaves Before Pruning	51			
Number of Leaves After Pruning	3			
Model Event Level	no-recurrence-events			

Number of Observations Read	286
Number of Observations Used	286

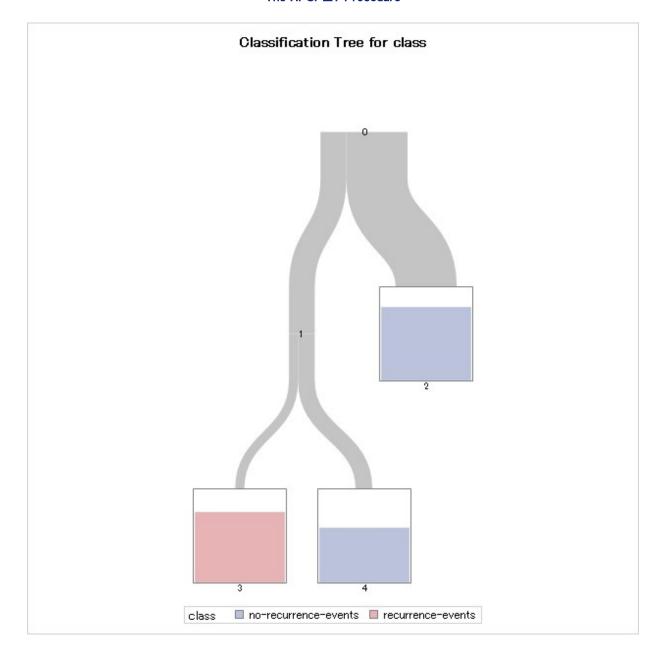
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The SAS System

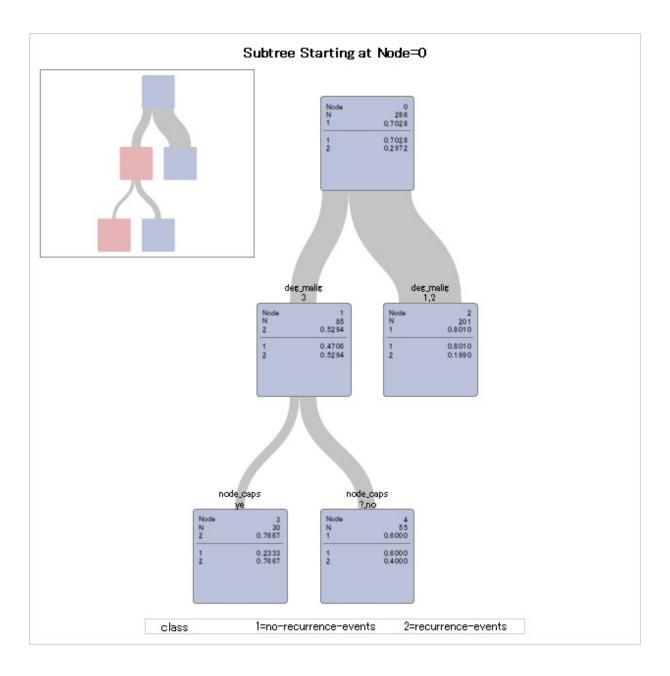


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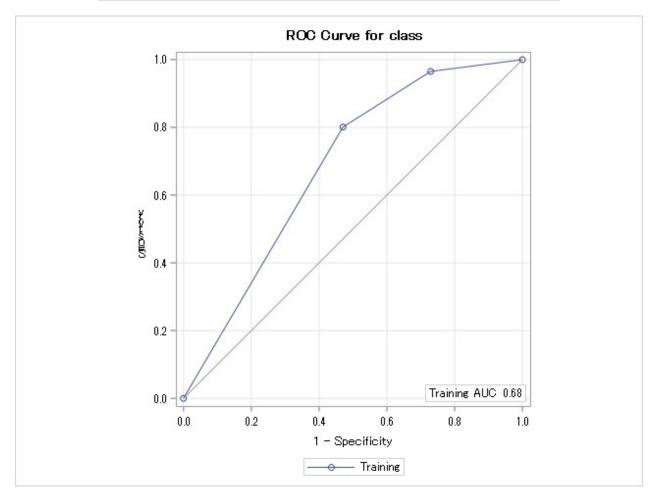
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The SAS System

The HPSPLIT Procedure

Model-Based Confusion Matrix					
	Predic	Error			
Actual	no-recurrence-events	recurrence-events	Rate		
no-recurrence-events	194	7	0.0348		
recurrence-events	62	23	0.7294		

Model-Based Fit Statistics for Selected Tree								
N Leaves	ASE	Mis- class	Sensitivity	Specificity	Entropy	Gini	RSS	AUC
3	0.1769	0.2413	0.9652	0.2706	0.7749	0.3539	101.2	0.6829



Variable Importance					
	Tr				
Variable	Relative	Importance	Count		

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deg_malig	1.0000	3.6115	1
node_caps	0.6326	2.2846	1

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The SAS System

Performance Information				
Execution Mode	Single-Machine			
Number of Threads	2			

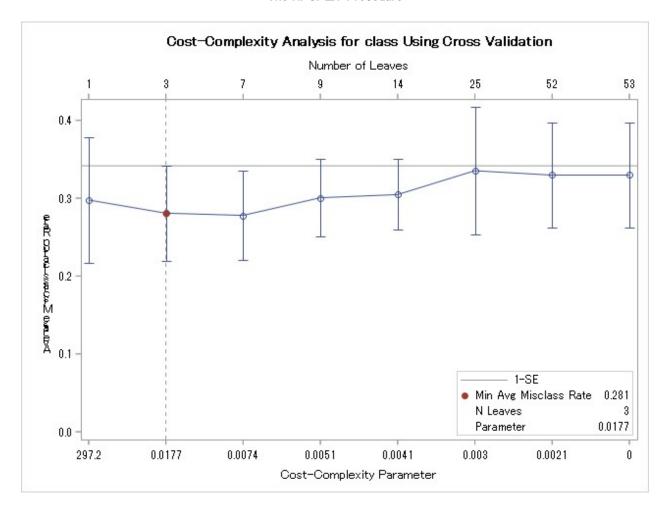
Data Access Information					
Data	Engine	Role	Path		
WORK.BCDATA	V9	Input	On Client		

Model Information				
Split Criterion Used	Gini			
Pruning Method	Cost-Complexity			
Subtree Evaluation Criterion	Cost-Complexity			
Number of Branches	2			
Maximum Tree Depth Requested	10			
Maximum Tree Depth Achieved	10			
Tree Depth	2			
Number of Leaves Before Pruning	56			
Number of Leaves After Pruning	3			
Model Event Level	no-recurrence-events			

Number of Observations Read	286
Number of Observations Used	286

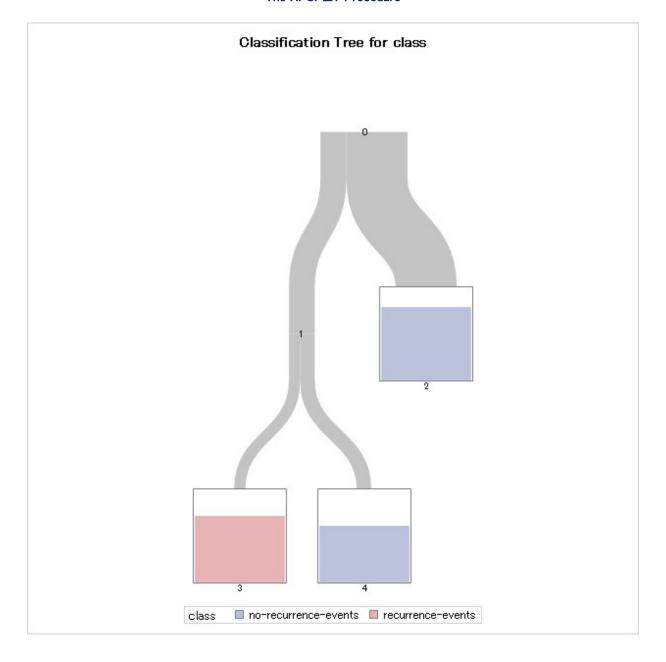
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The SAS System

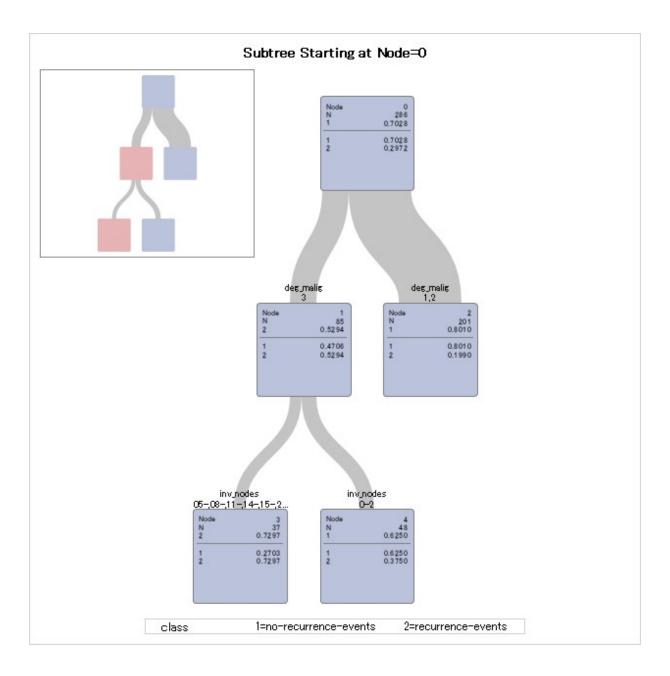


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The SAS System



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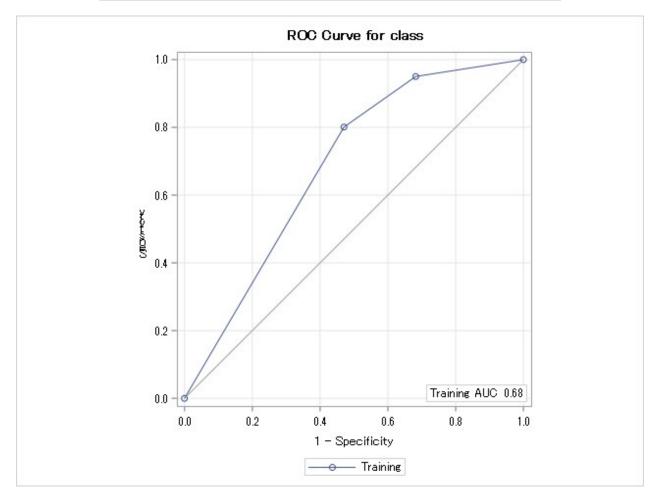
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The SAS System

The HPSPLIT Procedure

Model-Based Confusion Matrix					
	Predicted				
Actual	no-recurrence-events	recurrence-events	Error Rate		
no-recurrence-events	191	10	0.0498		
recurrence-events	58	27	0.6824		

Model-Based Fit Statistics for Selected Tree								
N Leaves	ASE	Mis- class	Sensitivity	Specificity	Entropy	Gini	RSS	AUC
3	0.1769	0.2378	0.9502	0.3176	0.7751	0.3538	101.2	0.6836



Variable Importance				
	Tr			
Variable	Relative	Importance	Count	

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deg_malig	1.0000	3.6115	1
inv_nodes	0.6349	2.2931	1