The HPSPLIT Procedure

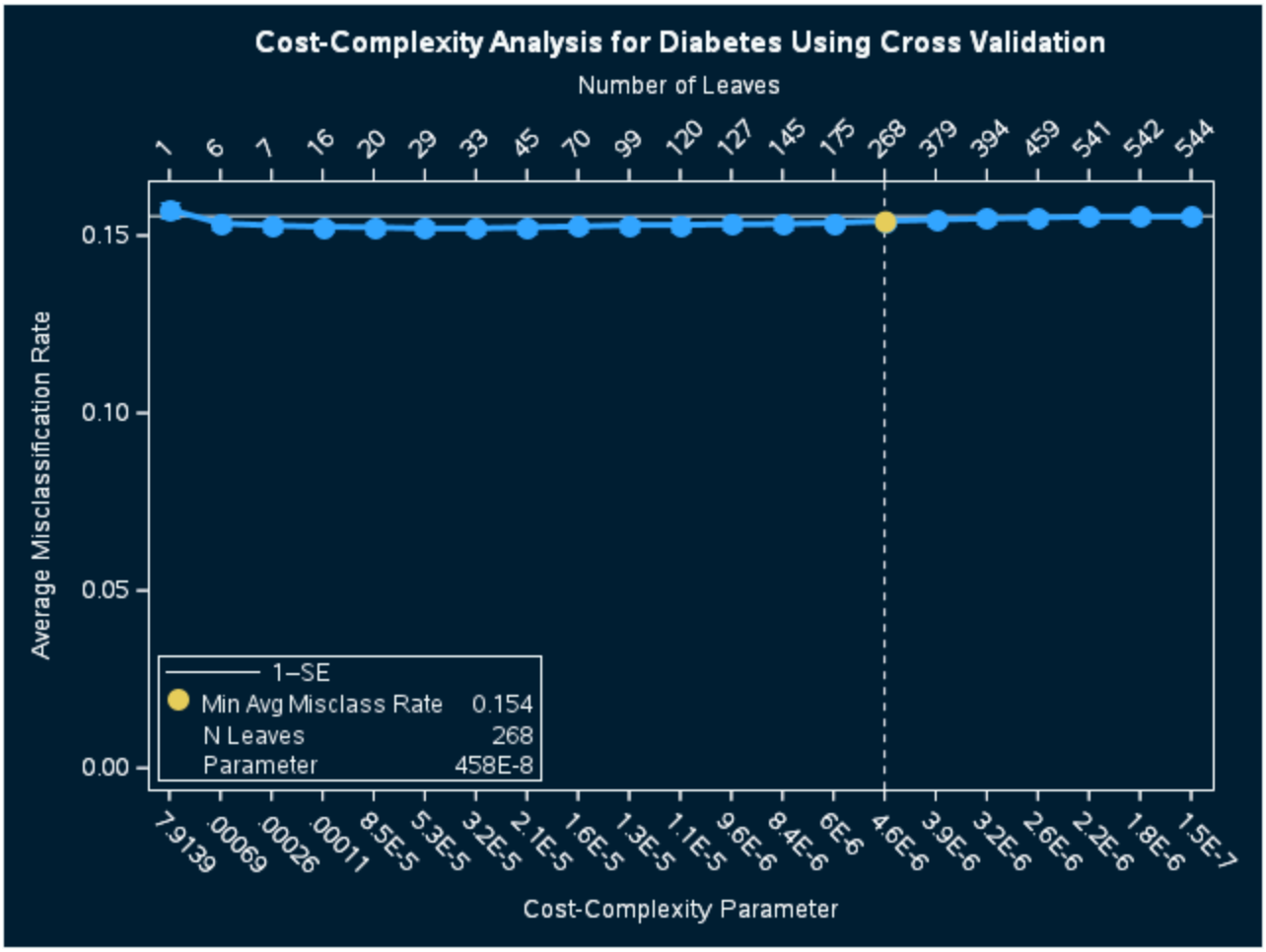
Performance Information	
Execution Mode	Single-Machine
Number of Threads	2

Data Access Information			
Data	Engine	Role	Path
WORK.DIABETES_2021	V9	Input	On Client

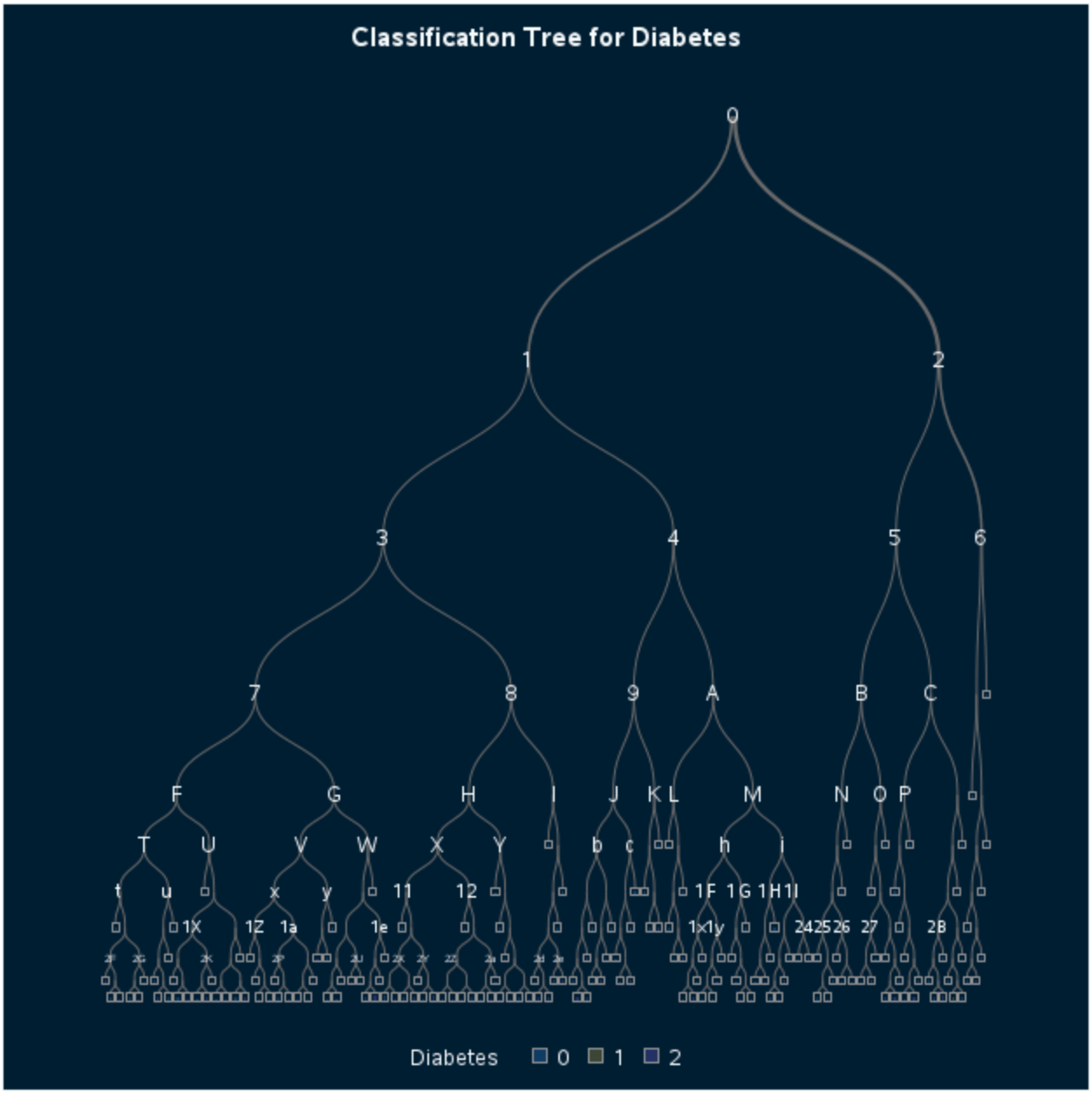
Model Information	
Split Criterion Used	Gini
Pruning Method	Cost-Complexity
Subtree Evaluation Criterion	Cost-Complexity
Number of Branches	2
Maximum Tree Depth Requested	10
Maximum Tree Depth Achieved	10
Tree Depth	10
Number of Leaves Before Pruning	824
Number of Leaves After Pruning	167

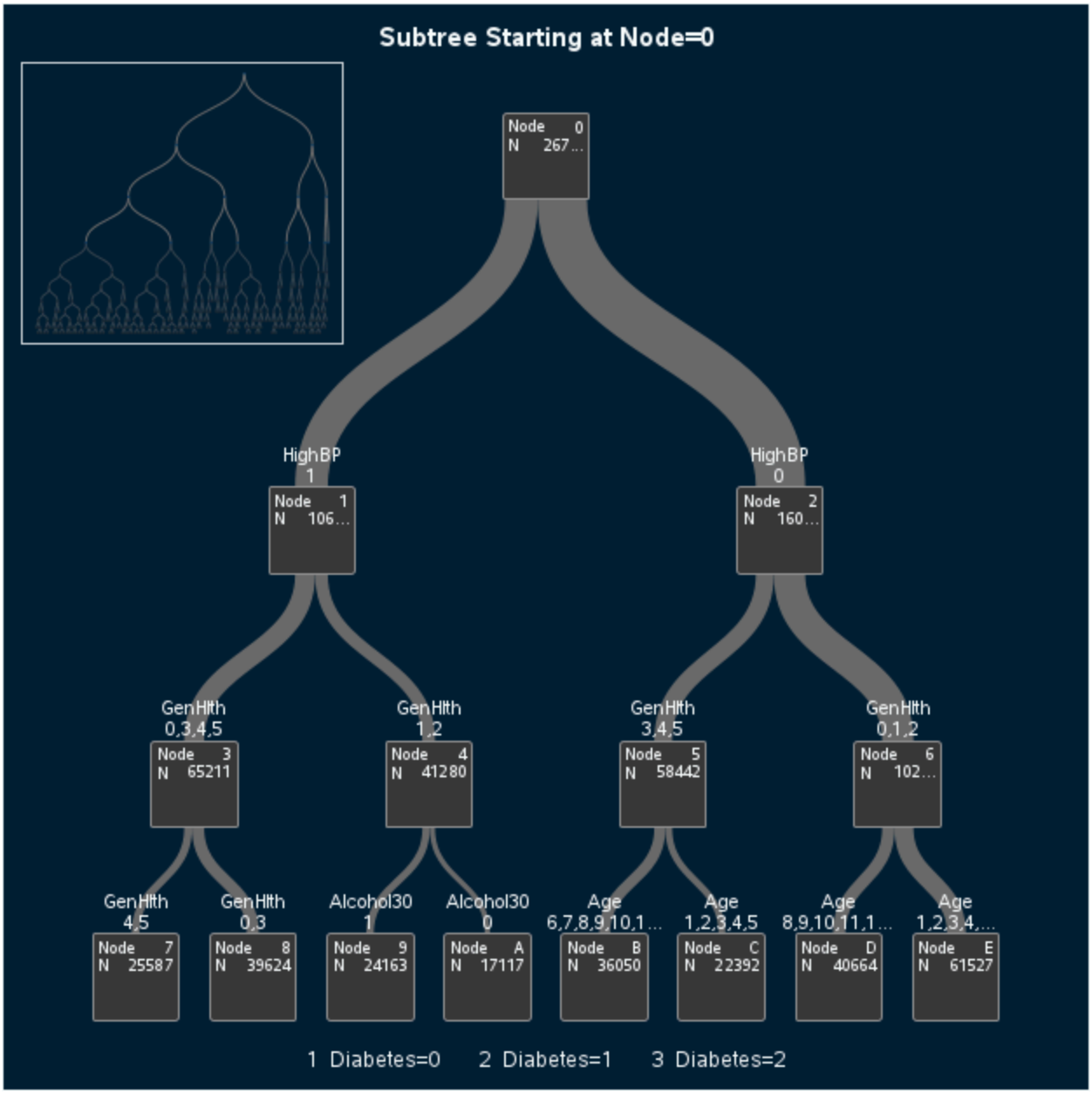
Number of Observations Read	267124
Number of Observations Used	267124

The HPSPLIT Procedure



The HPSPLIT Procedure


Classification Tree for Diabetes
0
1
2
3
4
5
6
7
8
9
A
B
C
F
G
H
I
J
K
L
M
N
O
P
T
U
V
W
X
Y
b
c
h
i
t
u
x
y
11
12
1F
1G
1H
1I
1X
1Z
1a
1e
1x
1y
242526
27
28
Diabetes
0
1
2



The HPSPLIT Procedure

Model-Based Confusion Matrix

Actual	Predicted 0	1	2	Error Rate
0	220475	1	4615	0.0205
1	5553	5	592	0.9992
2	28908	0	6975	0.8056

Model-Based Fit Statistics for Selected Tree

N Leaves	ASE	Mis-class	Entropy	Gini	RSS

Model-Based Fit Statistics for Selected Tree					
N Leaves	ASE	Mis-class	Entropy	Gini	RSS
167	0.0752	0.1485	0.5939	0.2256	60275.9

Variable Importance			
	Training		
Variable	Relative	Importance	Count
HighBP	1.0000	70.2226	1
GenHlth	0.8314	58.3859	8
Age	0.4542	31.8929	21
BMICat	0.4213	29.5869	15
HighChol	0.3638	25.5493	10
Alcohol30	0.2943	20.6662	8
CholCheck	0.2037	14.3045	7
Race	0.1881	13.2082	12
PhysHlth	0.1754	12.3179	26
MentHlth	0.1527	10.7259	21
HeartDiseaseorAttack	0.1185	8.3205	9
Income	0.1093	7.6738	14
DiffWalk	0.0966	6.7815	5
PhysActivity	0.0727	5.1038	3
Stroke	0.0616	4.3256	2
HvyAlcoholConsump	0.0549	3.8580	1
Education	0.0508	3.5689	2
Sex	0.0435	3.0577	1