Transparent Boosting Tree: An Interactive Machine Learning Framework

Features (frequency)	[+]
group: cap (0)	[+]
bruises? (1)	[-]
odor (5)	[+]
group: gill (0)	[+]
group: stalk (2)	[+]
group: stalk.surface (1)	[+]
group: stalk.color (0)	[+]
group: veil (0)	[-]
group: ring (0)	[+]
spore-print-color (1)	[-]
population (0)	[+]
habitat (0)	[+]

[+] Unblocked feature
[-] Blocked feature

Feature View

BOOSTING TREES

tree[0] odor=none

spore-print-color=green

stalk-root=club — Feature + Decision Rule

Highlighted Path

w=0.186

stalk-surface-below-ring=scaly

bruises?=bruises

w=0.130

w=0.081

w=-0.198 — Leaf node + Path weight

w=-0.199

w=0.178

Tree View

Forest View

tree[1] odor=none

tree[2] odor=none

tree[3] odor=none
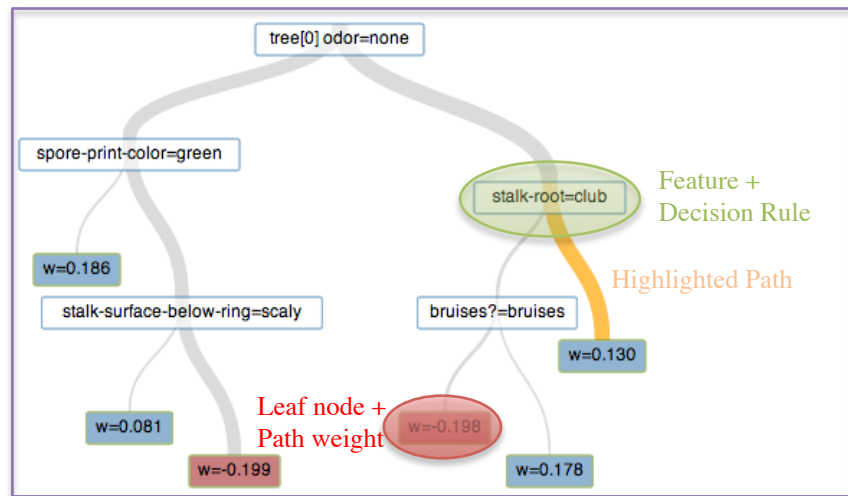
tree[4] odor=none

PATH PURITY

Negative Count	Positive Count	
835	776	root
150	748	odor=none ? no
56	744	stalk-root=club ? no

Path Purity View

MODIFICATION HISTORY

operation	train-error	test-error
node_remove_all	3.87%	3.72%
Initialize tree	1.44%	1.61%

History View