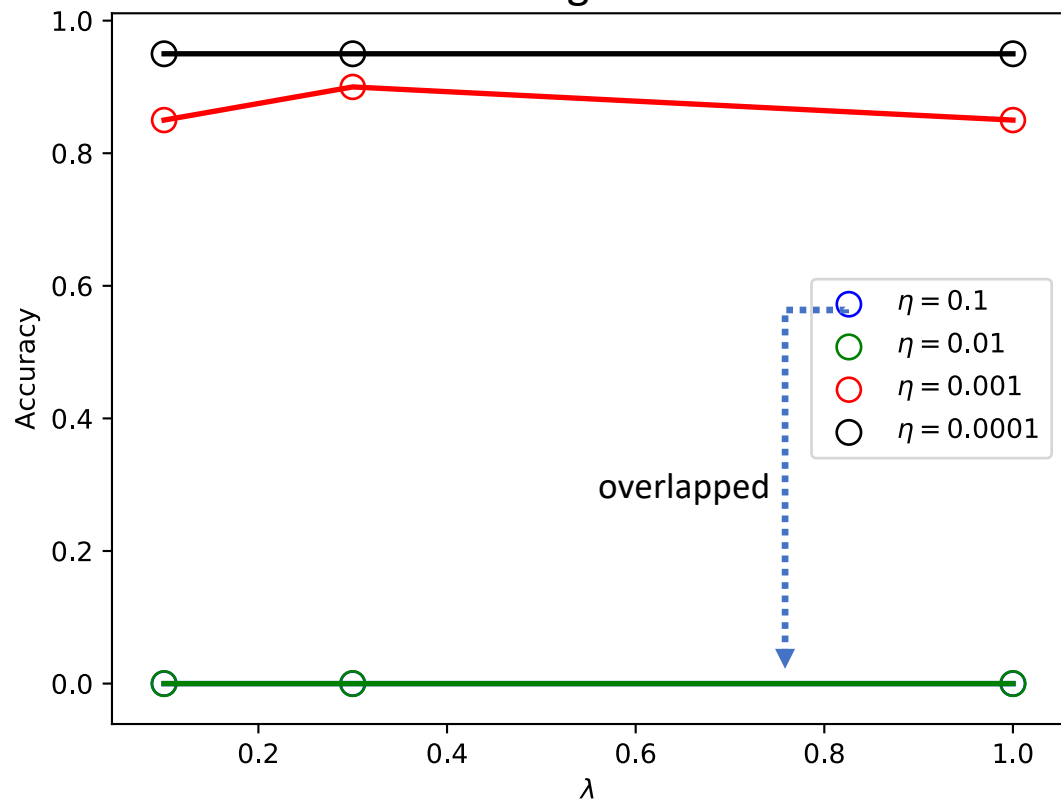Without Considering term $-\eta\lambda w_i$ in weight update

Logistic

Hinge

$\eta = 0.1$
$\eta = 0.01$
$\eta = 0.001$
$\eta = 0.0001$

overlapped