

Approach	Sensitivity	Gain Sensitivity	Clipped-Leaf Sensitivity
DPBoost		$3g_l^{*2}$	$\min\left(\frac{g_l^*}{1+\lambda}, 2g_l^*(1-\eta)^{t-1}\right)$
DP-XGB		$2g_l^{*2}$	$\frac{g_l^*}{1+\lambda}(1-\eta)^{t-1}$

Table 1: Comparison of sensitivities between DP-XGB and DPBoost (Li et al., AAAI-20, *modification in arXiv: 1911.04209v3*).