

ADDITIONAL EXPERIMENT RESULTS

(1) Adult Dataset

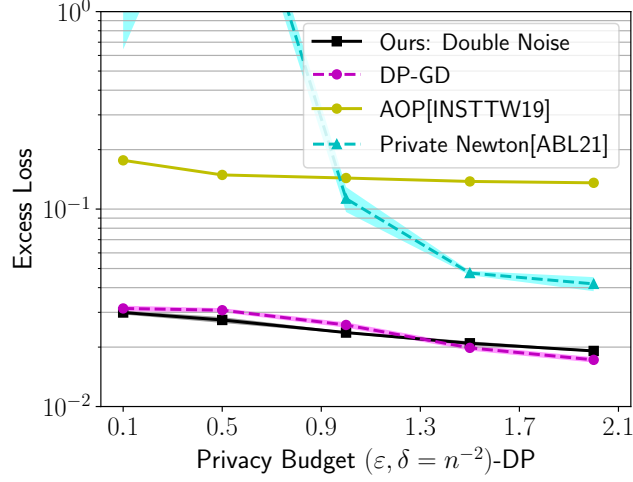


FIGURE 1. Adult Dataset: Privacy-Utility Tradeoff

	$\epsilon = 0.1$	$\epsilon = 0.5$	$\epsilon = 1$	$\epsilon = 1.5$	$\epsilon = 2$
Wall Clock ours (tuned)	5.24 (sec)	6.34 (sec)	7.20 (sec)	7.48(sec)	7.65(sec)
Wall Clock DPGD (tuned)	7.33	18.25	13.31	41.38	42.36
Wall Clock ours (tuned)					

TABLE 1. Adult Dataset: Comparison of Wall Clock Time.

(2) Synthetic Dataset

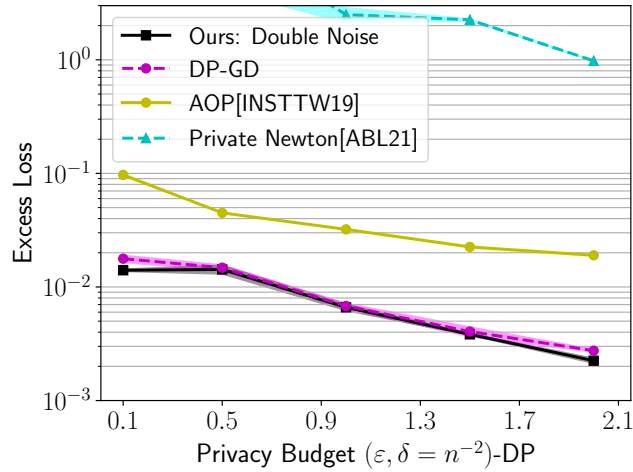


FIGURE 2. Synthetic Dataset: Privacy-Utility Tradeoff

	$\epsilon = 0.1$	$\epsilon = 0.5$	$\epsilon = 1$	$\epsilon = 1.5$	$\epsilon = 2$
Wall Clock ours (tuned)	0.27 (sec)	0.54 (sec)	0.41 (sec)	0.44(sec)	0.35(sec)
Wall Clock DPGD (tuned)	2.45	1.95	2.47	3.28	4.25
Wall Clock ours (tuned)					

TABLE 2. Synthetic Dataset: Comparison of Wall Clock Time.

(3) Coverttype Dataset

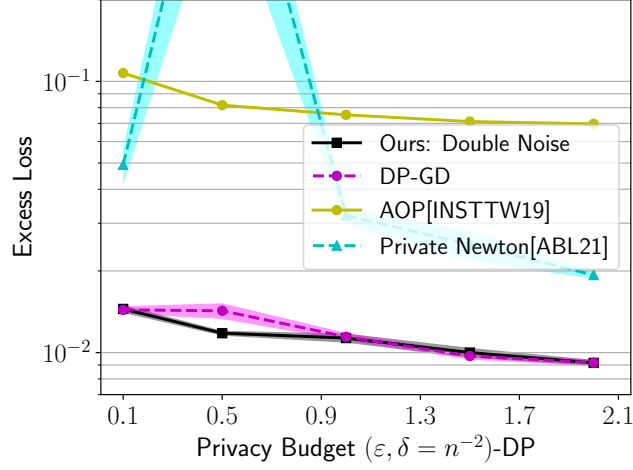


FIGURE 3. Coverttype Dataset:Privacy-Utility Tradeoff

	$\varepsilon = 0.1$	$\varepsilon = 0.5$	$\varepsilon = 1$	$\varepsilon = 1.5$	$\varepsilon = 2$
Wall Clock ours (tuned)	2.62 (sec)	2.90 (sec)	3.10 (sec)	2.94(sec)	2.97(sec)
Wall Clock DPGD (tuned)	14.32	45.65	54.19	57.5	55.12
Wall Clock ours (tuned)					

TABLE 3. Coverttype Dataset: Comparison of Wall Clock Time.

(4) a6a Dataset

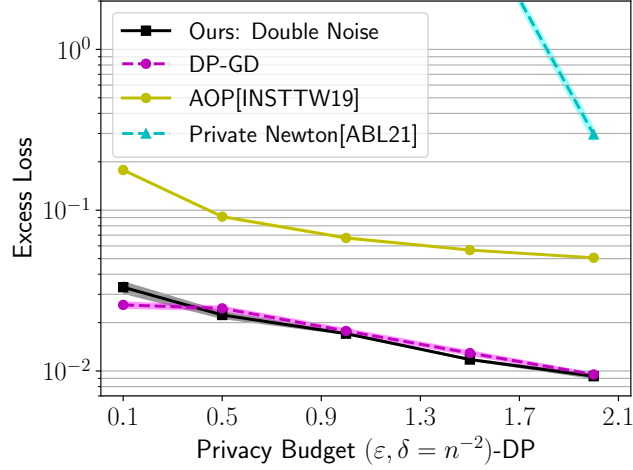


FIGURE 4. a6a Dataset:Privacy-Utility Tradeoff

	$\varepsilon = 0.1$	$\varepsilon = 0.5$	$\varepsilon = 1$	$\varepsilon = 1.5$	$\varepsilon = 2$
Wall Clock ours (tuned)	0.98 (sec)	0.87 (sec)	1.16 (sec)	1.69(sec)	1.87(sec)
Wall Clock DPGD (tuned)	1.89	2.27	2.93	3.54	2.39
Wall Clock ours (tuned)					

TABLE 4. a6a Dataset: Comparison of Wall Clock Time.