Extra Experiments

August 4, 2023

In this experiments, we compare our new algorithm DASHA-PP with previous baselines MARINA and FRECON in the partial participation setting.
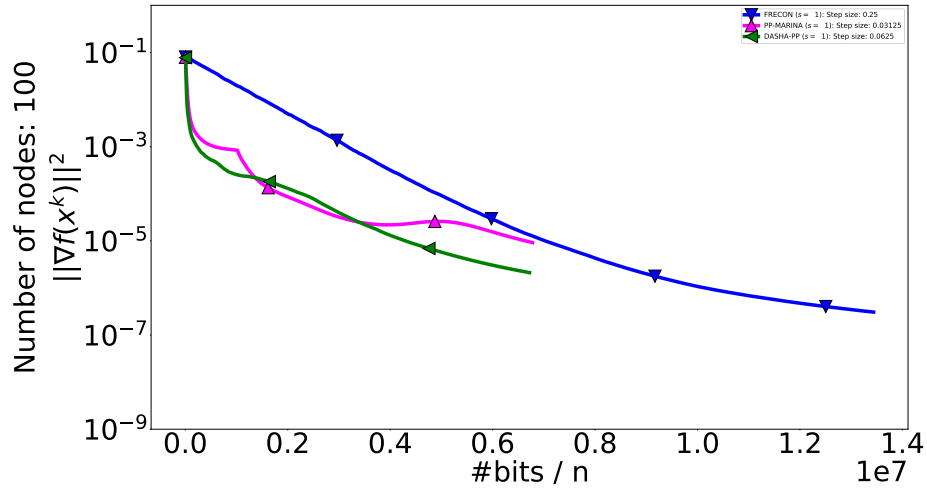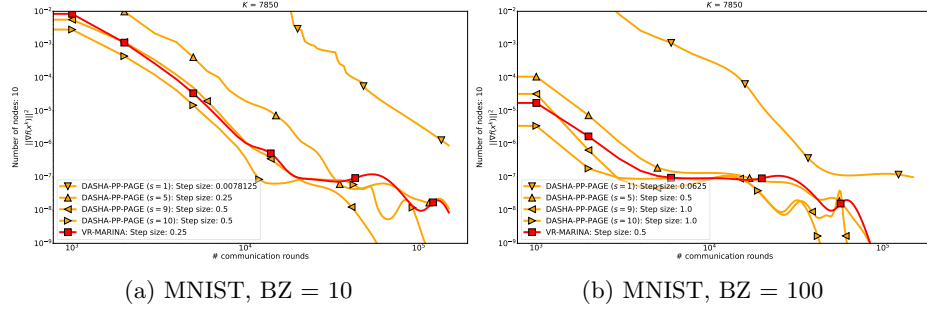
Warm Up: Gradient Setting

Figure 1: Classification task with the *mushrooms* dataset.

Finite-Sum Setting
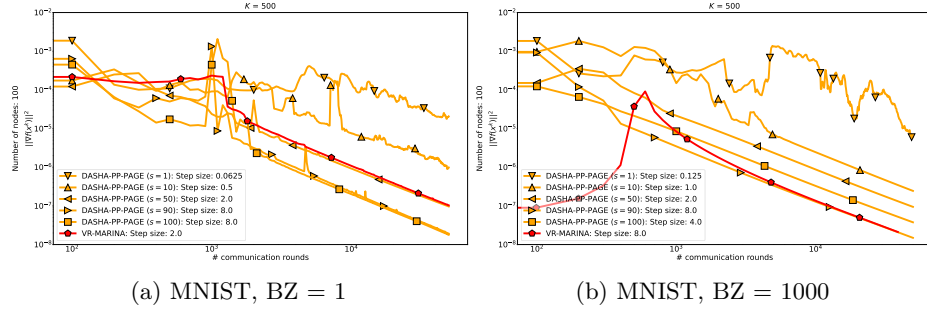
We do have experiments with FRECON because the corresponding authors do not consider FRECON in the finite-sum setting.

(a) MNIST, BZ = 10

(b) MNIST, BZ = 100

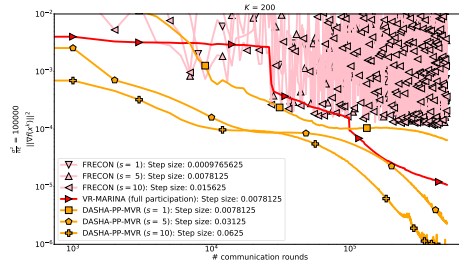Figure 2: Classification task with the *mushrooms* dataset.

(a) MNIST, BZ = 1

(b) MNIST, BZ = 1000

Figure 3: Classification task with the *mushrooms* dataset.

Stochastic Setting

(a) MNIST, BZ = 1

(b) MNIST, BZ = 100

Figure 4: Classification task with the *mushrooms* dataset.