

# 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. We consider **MARINA** and **FRECON** because they are the previous baselines in the *partial participation setting with compression*.

## Finite-Sum Setting

We do not have experiments with **FRECON** because the authors of **FRECON** do not consider it in the finite-sum setting.

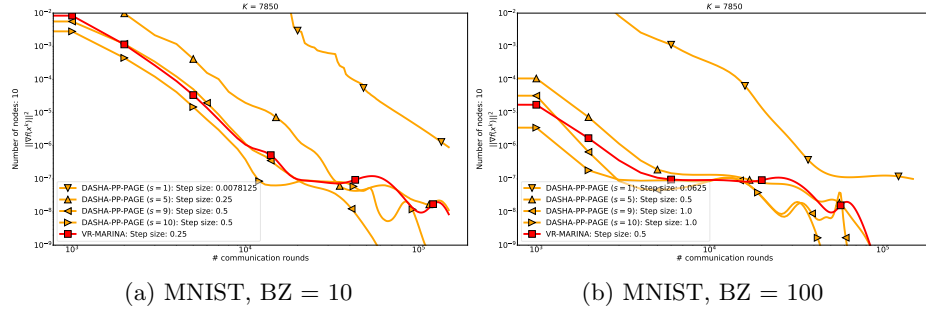
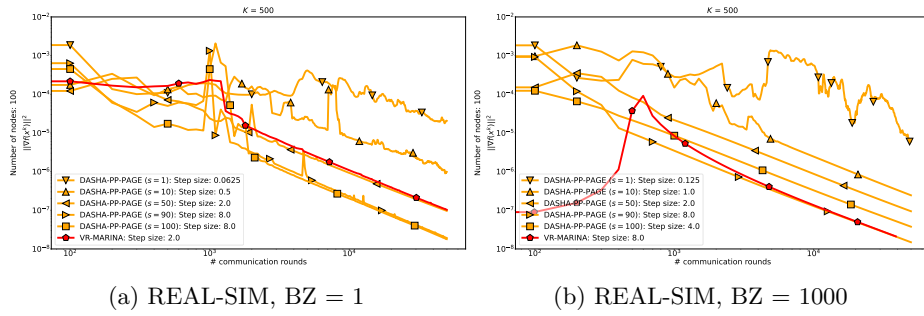


Figure 1: Classification task with the *mushrooms* dataset.

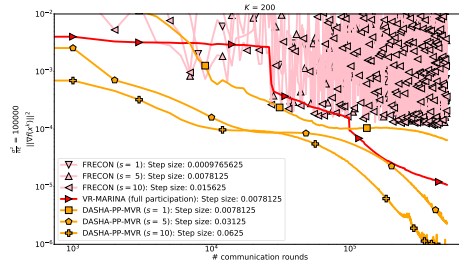


(a) REAL-SIM,  $BZ = 1$

(b) REAL-SIM,  $BZ = 1000$

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

## Stochastic Setting



(a) real-sim, BZ = 1

(b) MNIST, BZ = 100

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