Weekly Report KARIMI-2021-10-15

My work this week has mainly been towards

1. SDM Submission

2. AISTATS Submissions

1   SDM Submission

Focus on running experiments for:

- VFG: adding Flow model as a baseline for MNIST. Ran the baseline flow Model. Obtained the checkpoint, need some time to generate new figures but we submitted to SDM.

2   AISTATS Submission

Focus on running experiments for:

- FedLamb: Runs on larger network and tinyimagenet: these runs are done and will be included in the paper
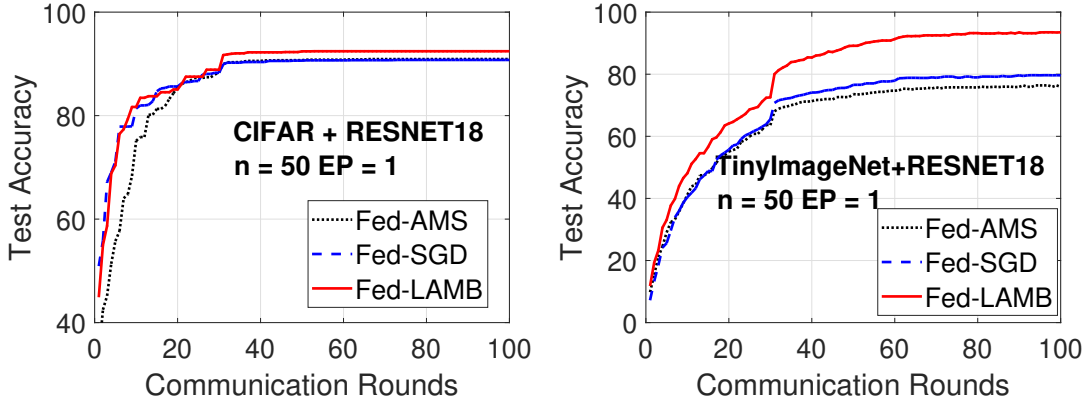

Figure 1: **non-i.i.d. setting.**. Test accuracy on CIFAR10+Resnet18 and Tiny-Imagenet+Resnet18, with non-iid data distribution.

Table 1:   Test Accuracies for larger models.

	Fed-SGD	Fed-AMS	**FED-LAMB**
CIFAR10 + Resnet18	90.75 ± 0.48	90.93 ± 0.22	92.44 ± 0.53
Tiny-Imagenet + Resnet18	79.64 ± 0.21	75.94 ± 0.83	93.50 ± 0.26