non-IID MNIST, 2NN 1.0 0.8 Error-free FL DQ FL,  $\varepsilon = 0$ Test Accuracy DQ FL,  $\varepsilon = 0.01$ 0.6 DQ FL,  $\varepsilon = 0.1$ DQ FL,  $\varepsilon = 0.2$ 8-bit FL,  $\varepsilon = 0$ 8-bit FL,  $\varepsilon = 0.01$ 8-bit FL,  $\varepsilon = 0.1$ 8-bit FL,  $\varepsilon = 0.2$ 0.2 200 800 600 Communication Round