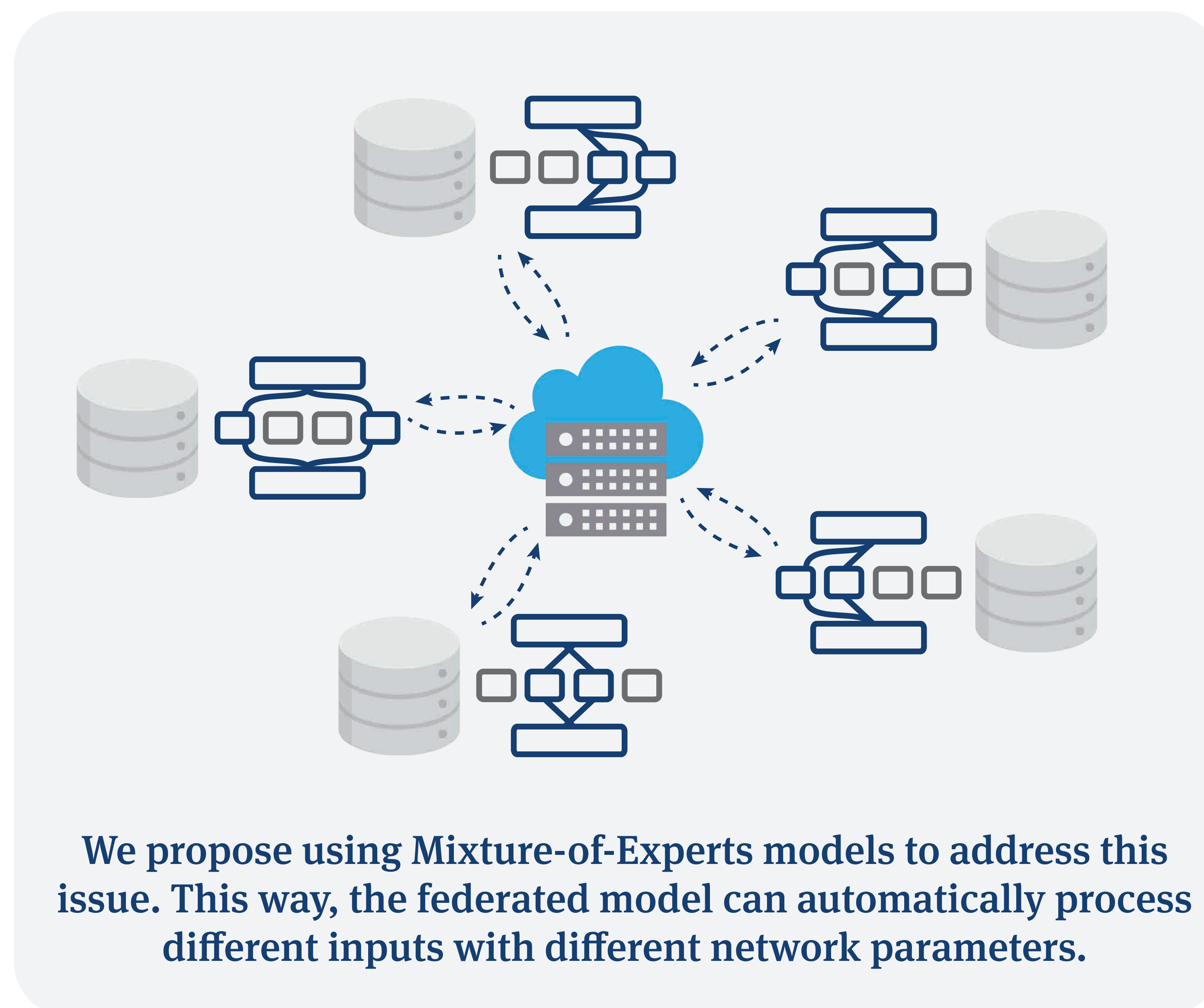
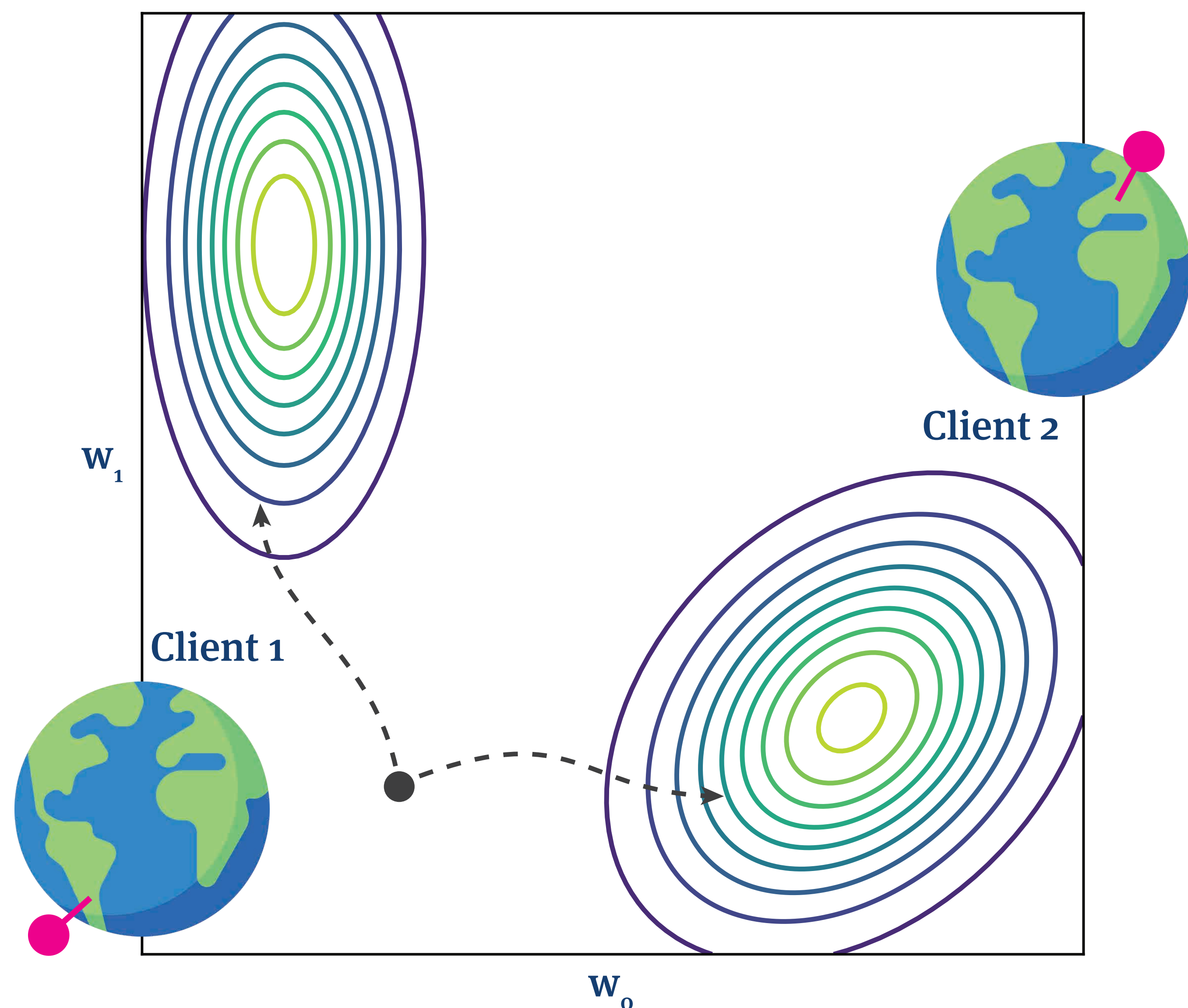


Federated Learning with Mixture-of-Experts

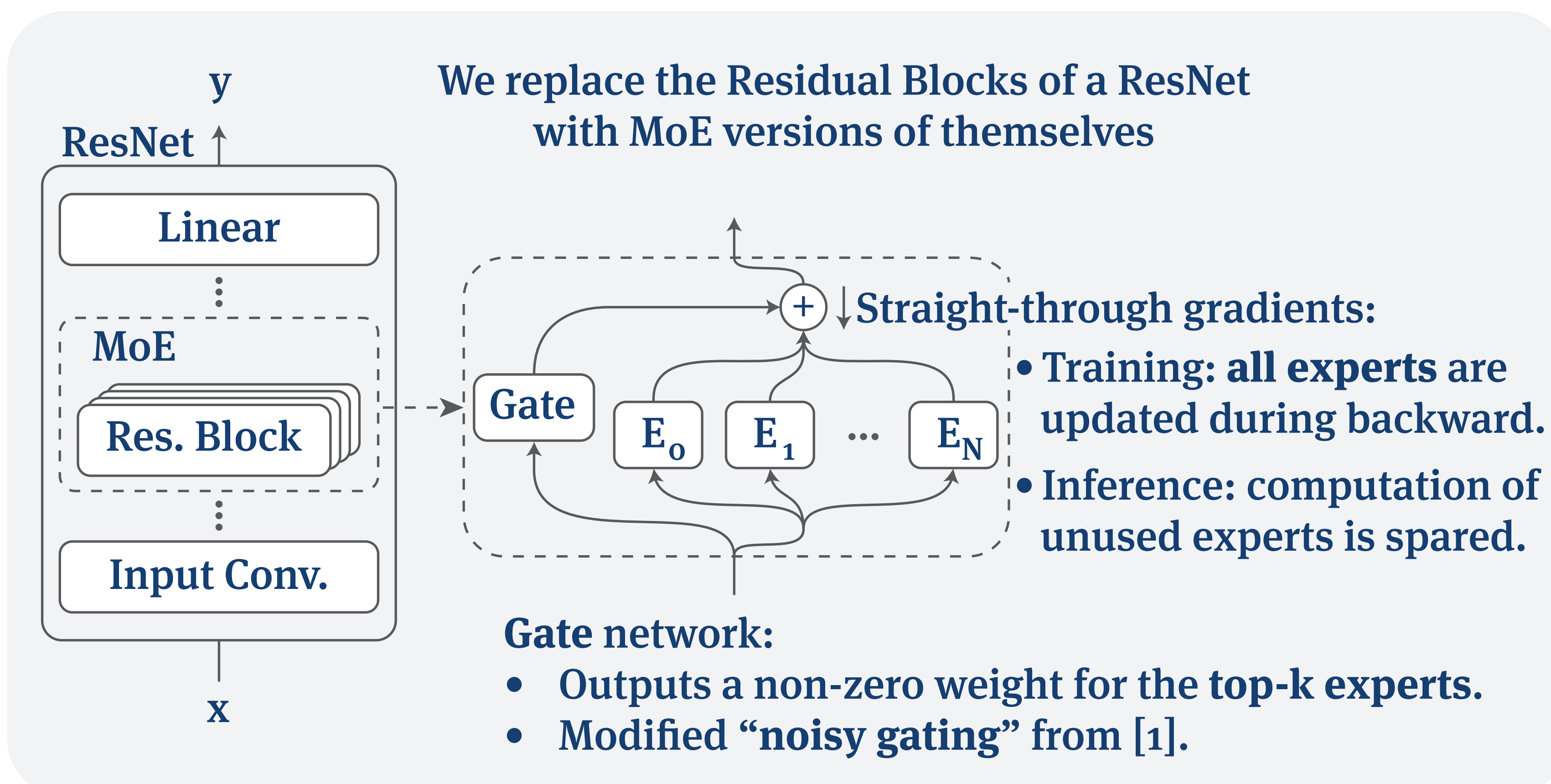
A solution to data heterogeneity among clients

Juan I. Pisula, Katarzyna Bozek

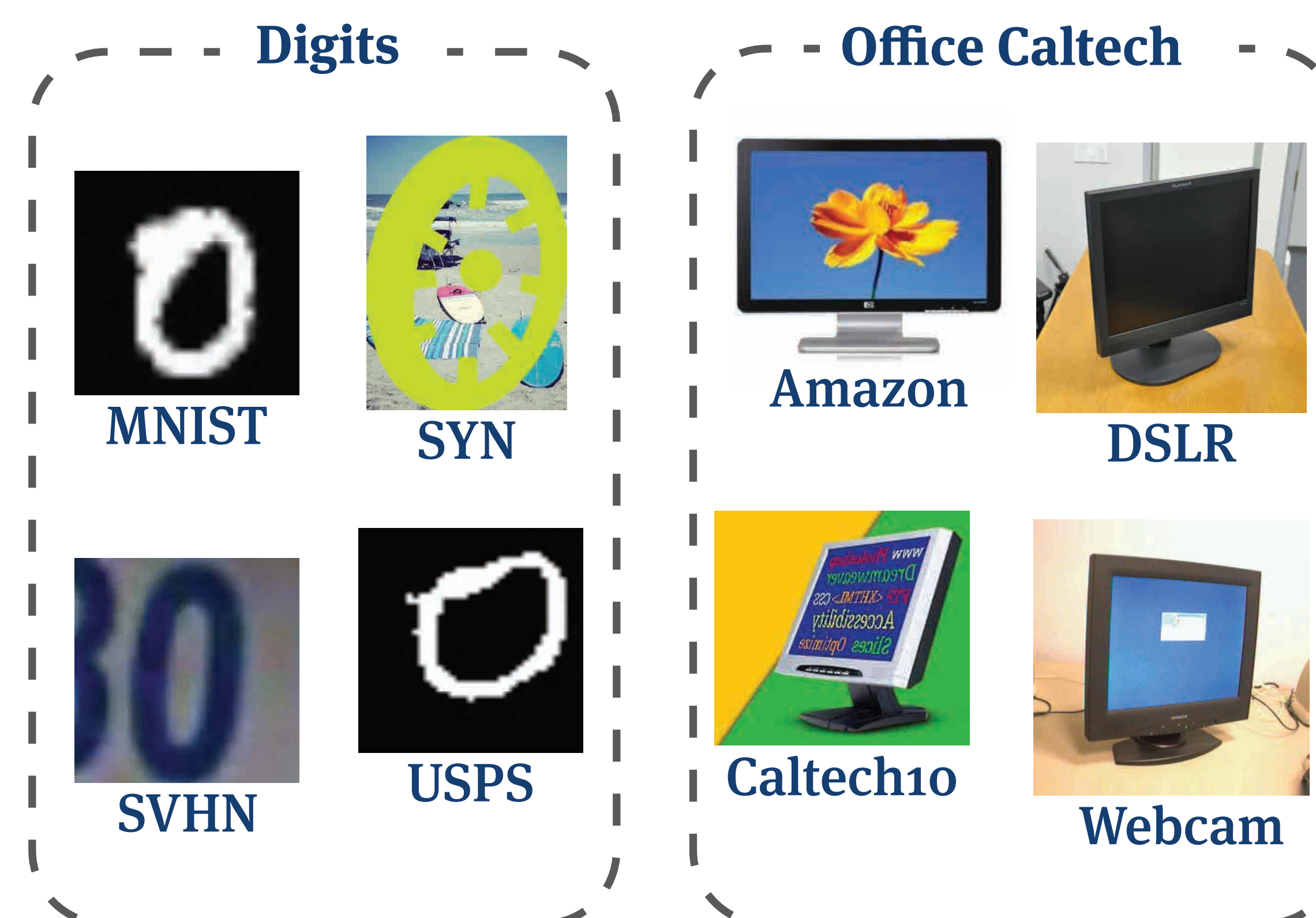
In Federated Learning scenarios with domain shifts between clients, local optimization trajectories may be inconsistent with the global empirical risk minimum direction.



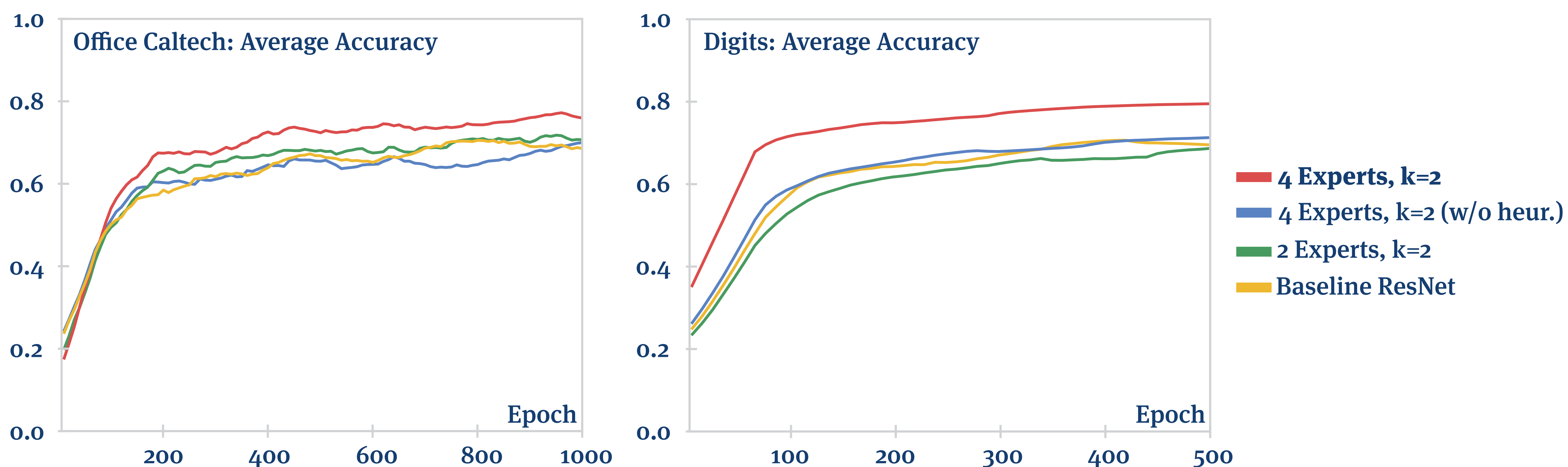
Model



Experiments



Federated Average Performance



[1] Shazeer, N. et al. (2017). Outrageously Large Neural Networks: The Sparsely-Gated Mixture-of-Experts Layer. In *International Conference on Learning Representations*.