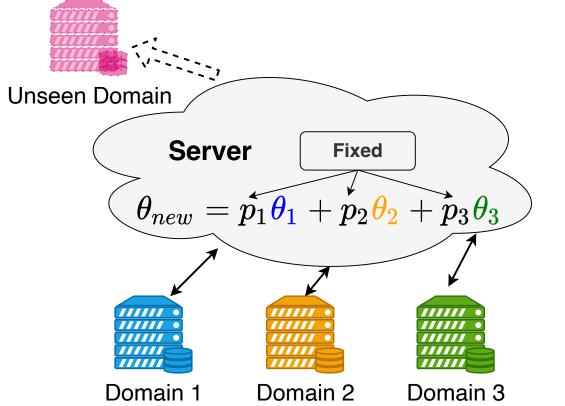
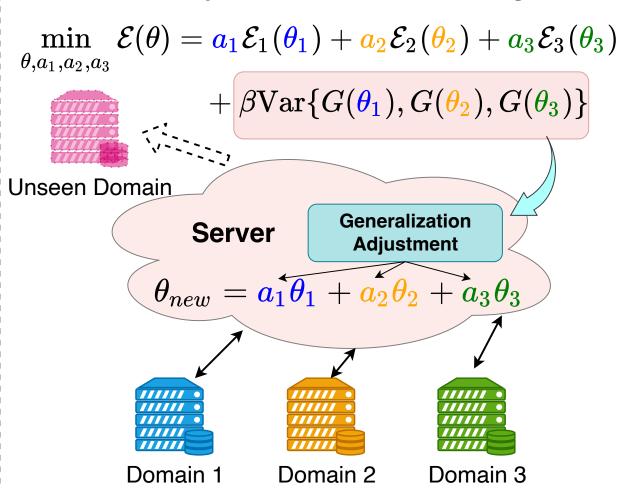
Global Objective

$$\min_{ heta} \mathcal{E}(heta) = p_1 \mathcal{E}_1(heta_1) + p_2 \mathcal{E}_2(heta_2) + p_3 \mathcal{E}_3(heta_3)$$



(a) FedAvg

New Global Objective with Fairness Regularizer



(b) Generalization Adjustment