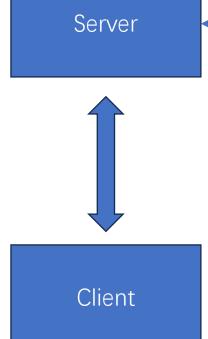


- (2) 计算sigma
- (3) 更新bias

$$bias += lr * \frac{client_model - global_model}{sigma}$$

(4) 下传client_model client_model = global_model + bias * sigma



在Cifar100上表现:

FedBS	0.5696
FedAvg	0.3189
FedALA	0.5592

问题: 是否收敛?

Bias更新方法正确性?

采用动量方法更新bias

$$bias = (1 - lr) * bias + lr * \frac{client_model - global_model}{sigma}$$

其他更新方法: bias -= client_model.grad * sigma

结果: 与FedAvg无明显区别

进一步考虑: 分层, 只对顶层采样

-----Round number: 2000-----

Evaluate global model

Averaged Train Loss: 0.0019

Averaged Test Accurancy: 0.5463

Averaged Test AUC: 0.9562 Std Test Accurancy: 0.0402

Std Test AUC: 0.0063