

# Aggregation Algorithms



## Weighted Average

$$w_{\text{global}} = \sum (n_i/N \times w_i)$$

$w_1$

$w_2$

$w_3$

Weight by dataset size



## FedAvg

Most popular algorithm



Simple & effective



## FedProx

Adds proximal term

$+$   $\mu$  term

Handles heterogeneity

## Aggregation Process

