

Server  $\theta^t$



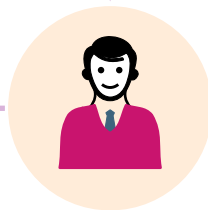
(1) Distribute Global Model



Client 1  $\theta^t$

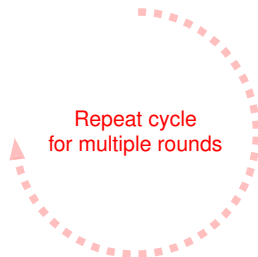


(2) Local Training  
Multiple SGD Steps



Client 2  $\theta_1^{t+1}$

(3) Send Updates  $\theta_1^{t+1}$  (not raw data)



Repeat cycle  
for multiple rounds

(4) Weighted Aggregation

$$\theta^{t+1} = \sum \frac{n_k}{n} \theta_k^{t+1}$$



More Clients