

# FEDERATED SERVER



UPDATES MODEL  
 $W^{k+1} = W^k - \eta U'$

REPEAT UNTIL  
CONVERGES

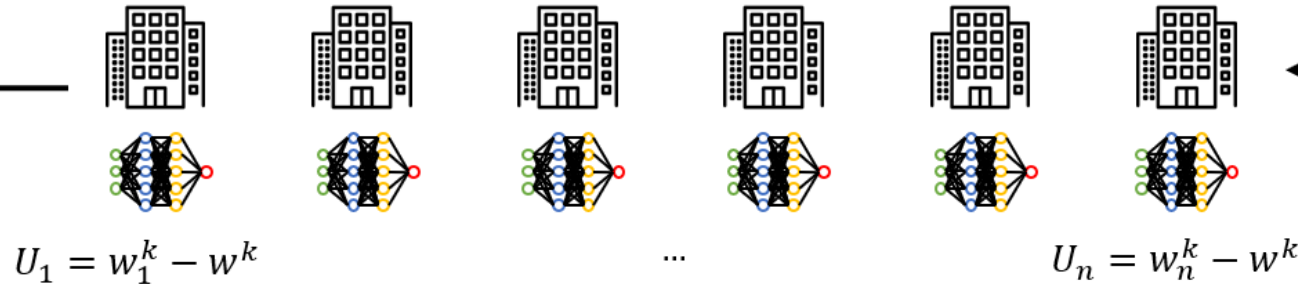


AGGREGATES  
LOCALLY TRAINED MODELS

$$U' = \frac{1}{n} \sum_{i=0}^n U^i$$

DISTRIBUTES  
GLOBAL MODEL  
 $W^{k+i}$ ,  
where  $i = 0, 1, 2, 3 \dots$

## PARTICIPANTS



TRAIN DISTRIBUTED MODELS WITH LOCAL DATA

