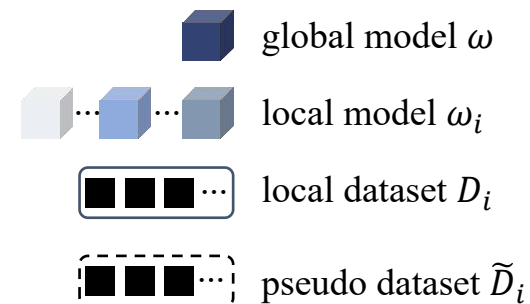
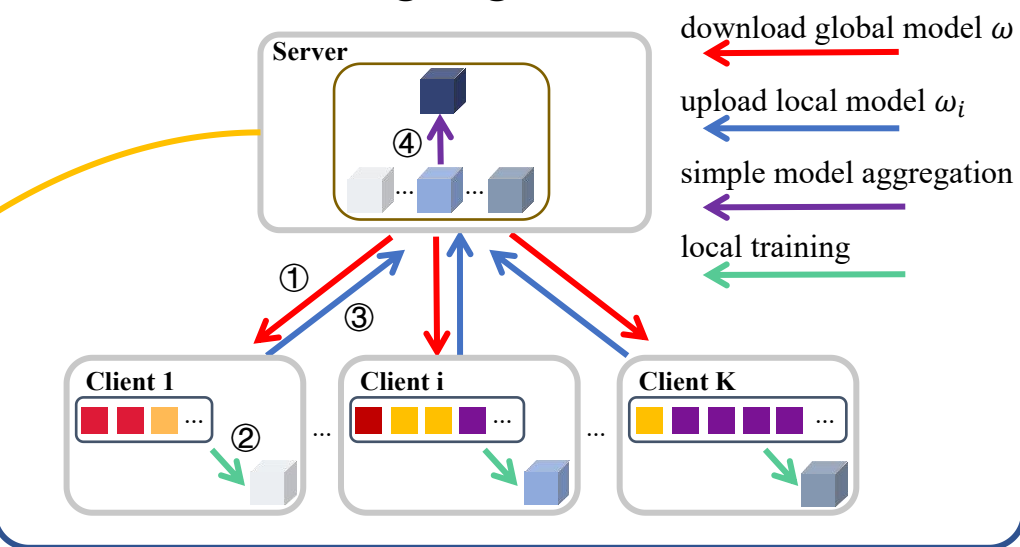


## 1. Federated Learning Stage

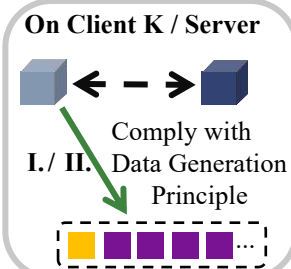
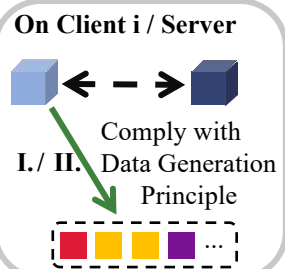
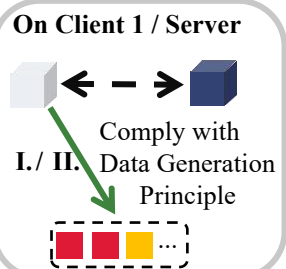


## 2. Adaptive Data Generation Stage

- I. generate common sample
- II. generate hard sample

generate pseudo dataset  $\tilde{D}_i$

exploit disagreements between local model and global model



## 3. Knowledge Distillation Stage

