Federated Averaging Algorithm

The i-th worker performs:

1. Receiving model parameters **w** from the server.

2. Repeating the followings:

   a) Using **w** and its local data to compute gradient **g**.

   b) Local update: $\mathbf{w} \leftarrow \mathbf{w} - \alpha \cdot \mathbf{g}$.

Server

Para