Central Server

Selection Client by Multi-criteria

Send Weight - C_θ

Multi-criteria Algorithm

K_{Einorm}

K_{Dinorm}

K_{Linorm}

Entropy Weight

Data Size Weight

Loss Weight

Client Weight

MACBETH Ranking

1st   2nd   3rd   nth

Selected Clients

Training Dataset

Client - C_1 Client - C_2 Client - C_i

Clients Models

Model - M_1 Model - M_2 Model - M_n

Dataset

Dataset - D_1 Dataset - D_2 Dataset - D_n

User Data Creation

Federated Learning

Agregation Clients

θglobal

Edge server

Multi-criteria Approach