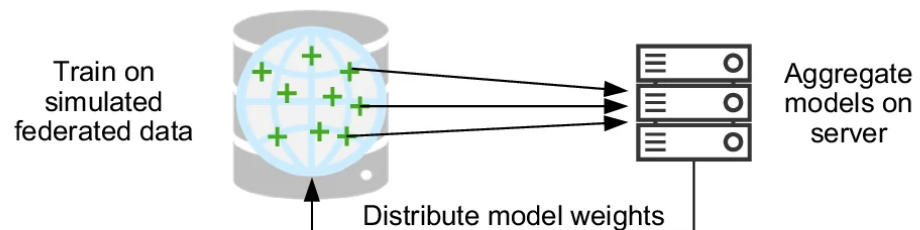


### Task 1: Federated Learning: Benchmarking Innovative Aggregation Algorithms



**Main Finding:** Selective Sampling Boosts Performance & Alleviates Communication Cost



Federated Round 1



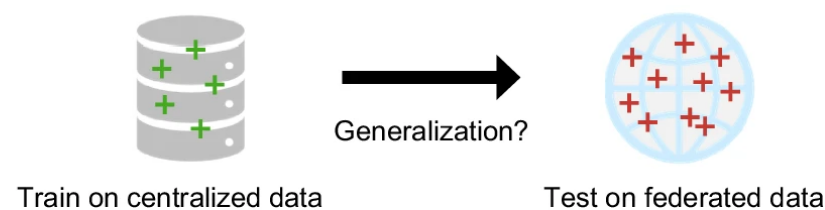
Federated Round 2



Federated Round 3

○ = selected client

### Task 2: Federated Evaluation: Algorithmic Validation Around the Globe



**Main Finding:** state-of-the-art models show good average performance but lack worst-case robustness

