Client Drift: How Non-IID Data Causes Conflicting Updates
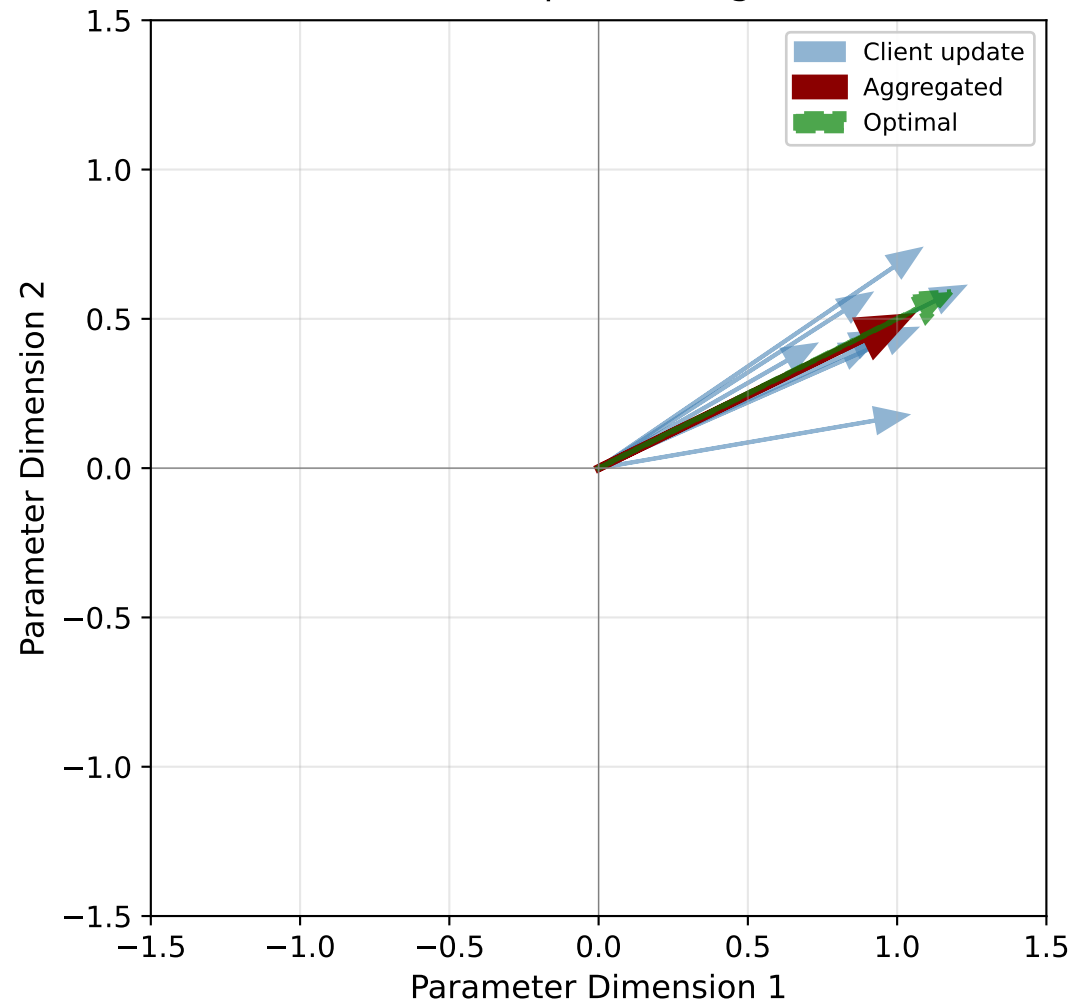
(A) IID: Updates Aligned

Legend:
- Client update
- Aggregated
- Optimal

(B) Non-IID: Conflicting Updates

Client Drift: Conflicting Directions

Averaging Cancels Progress

Legend:
- Client update
- Aggregated
- Optimal