

FedAvg final client accuracies:

Client 0: 99.0300

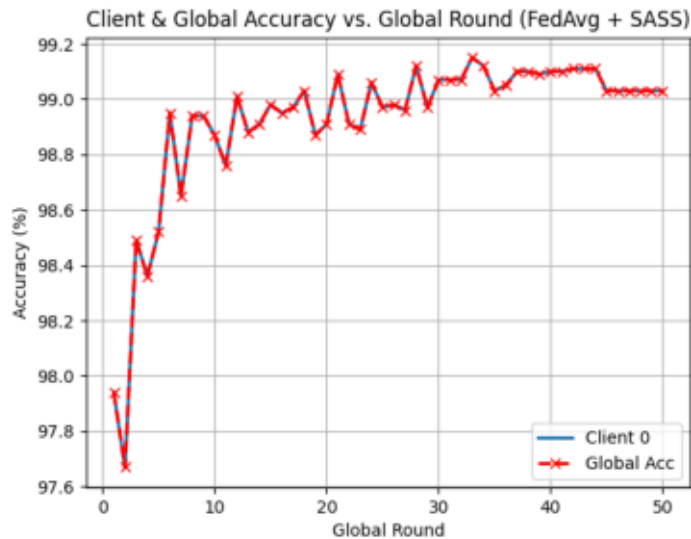
Final global accuracy: 99.0300

FedGM final client accuracies:

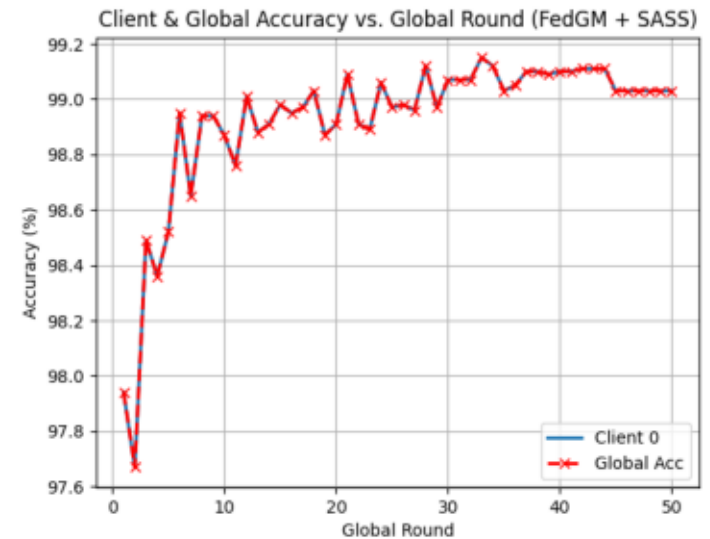
Client 0: 99.0300

Final global accuracy: 99.0300

fedavg_dirichlet_1clients_50rounds

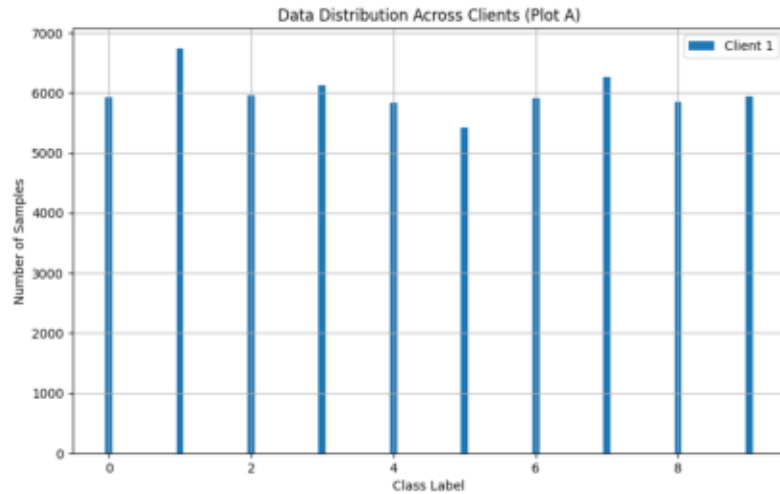


fedgm_dirichlet_1clients_50rounds

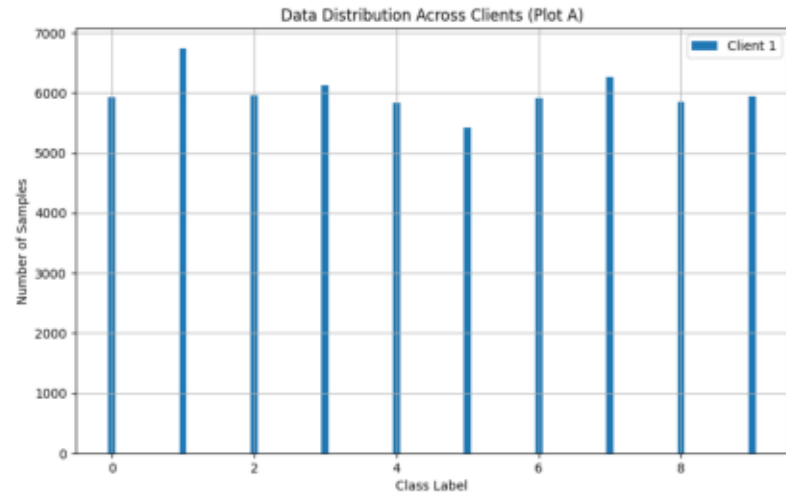


fedavg_dirichlet_1clients_50rounds vs. fedgm_dirichlet_1clients_50rounds | data_dist.png

fedavg_dirichlet_1clients_50rounds



fedgm_dirichlet_1clients_50rounds



fedavg_dirichlet_1clients_50rounds vs. fedgm_dirichlet_1clients_50rounds | data_dist_B.png

fedavg_dirichlet_1clients_50rounds



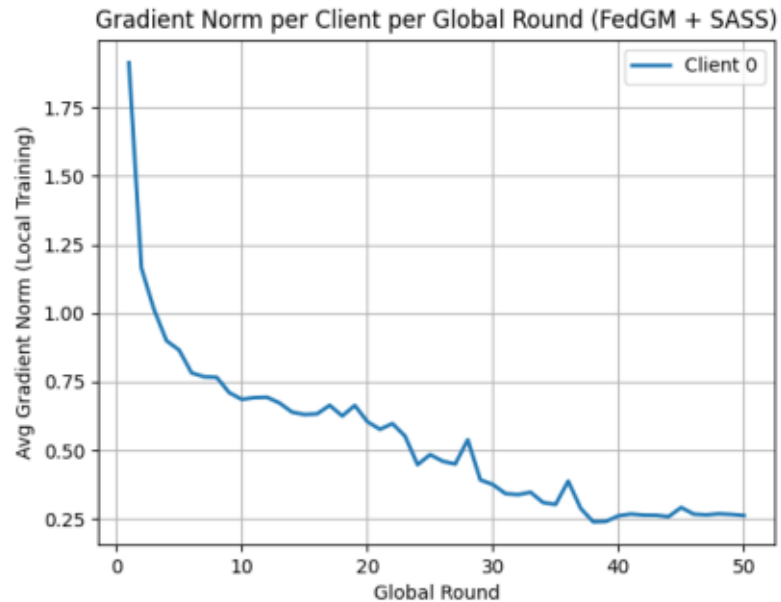
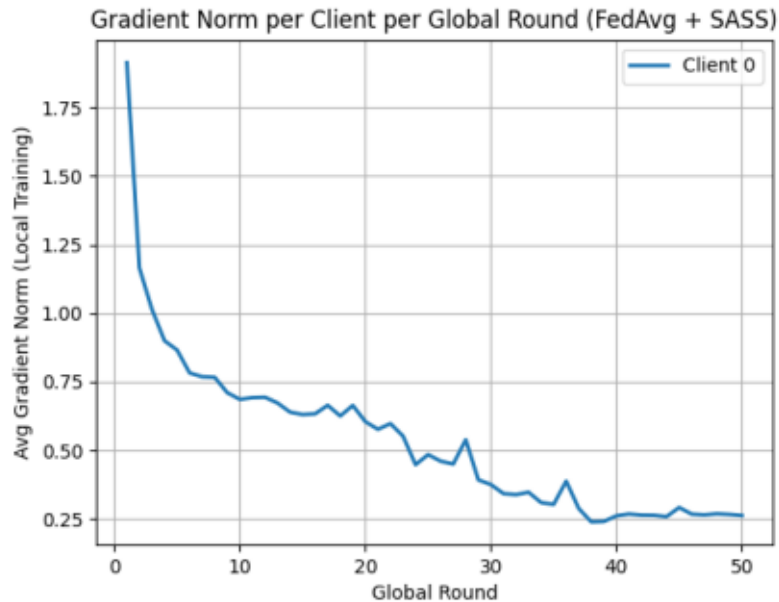
fedgm_dirichlet_1clients_50rounds



fedavg_dirichlet_1clients_50rounds vs. fedgm_dirichlet_1clients_50rounds | grad_norm_per_client_per_global_round.png

fedavg_dirichlet_1clients_50rounds

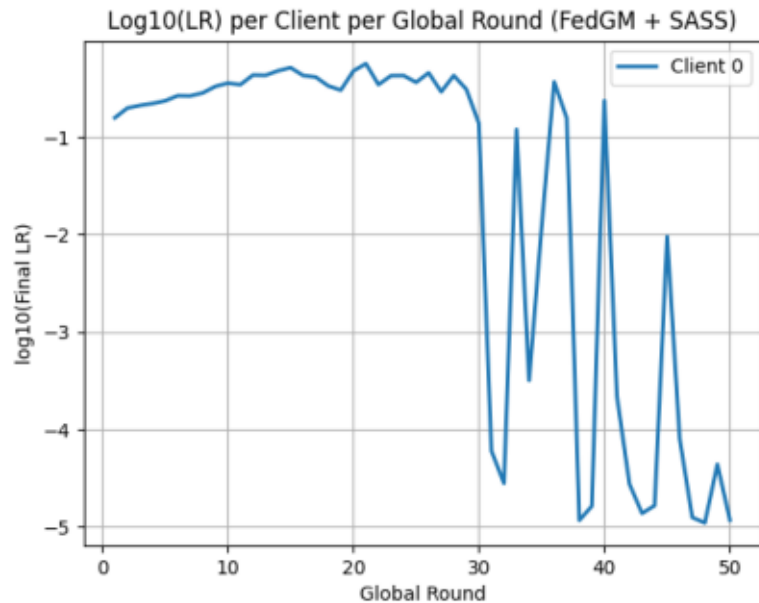
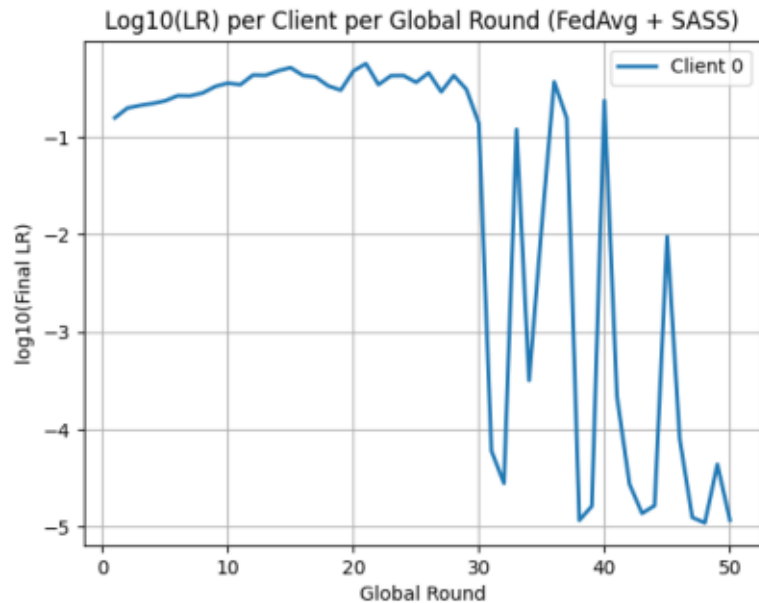
fedgm_dirichlet_1clients_50rounds



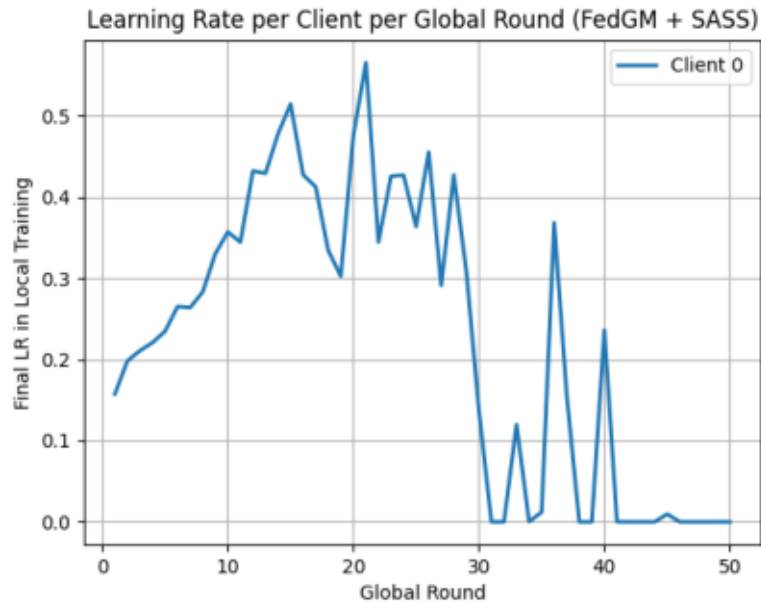
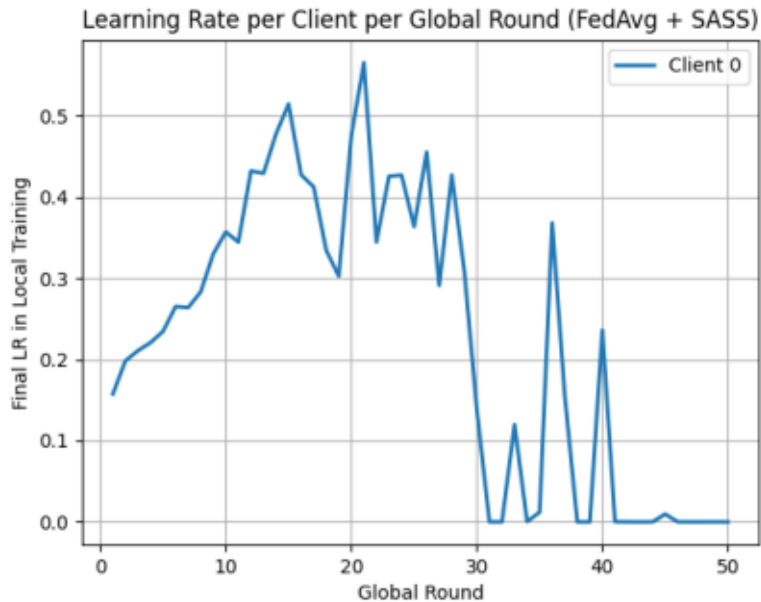
fedavg_dirichlet_1clients_50rounds vs. fedgm_dirichlet_1clients_50rounds | lr_per_client_per_global_round_log.png

fedavg_dirichlet_1clients_50rounds

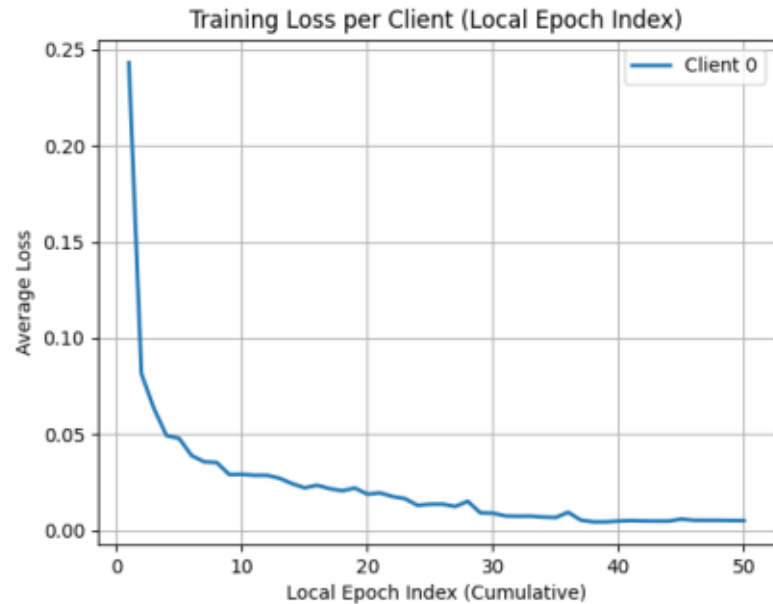
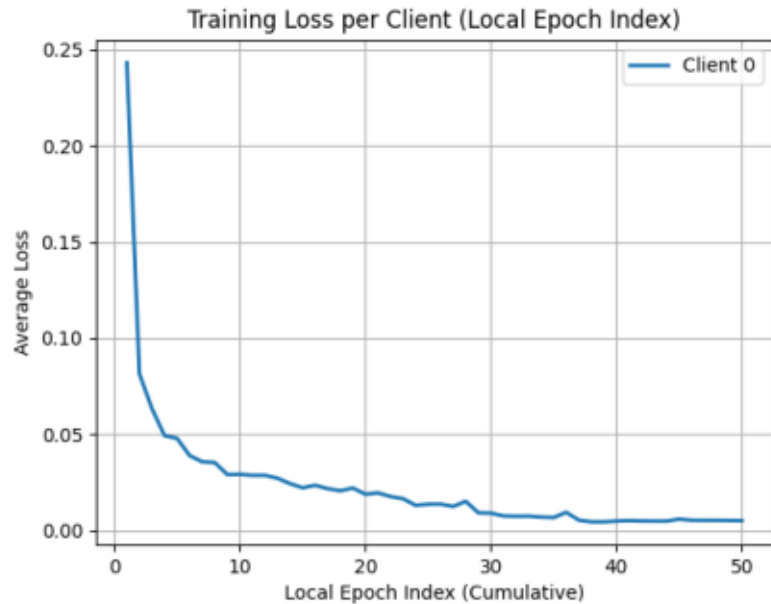
fedgm_dirichlet_1clients_50rounds



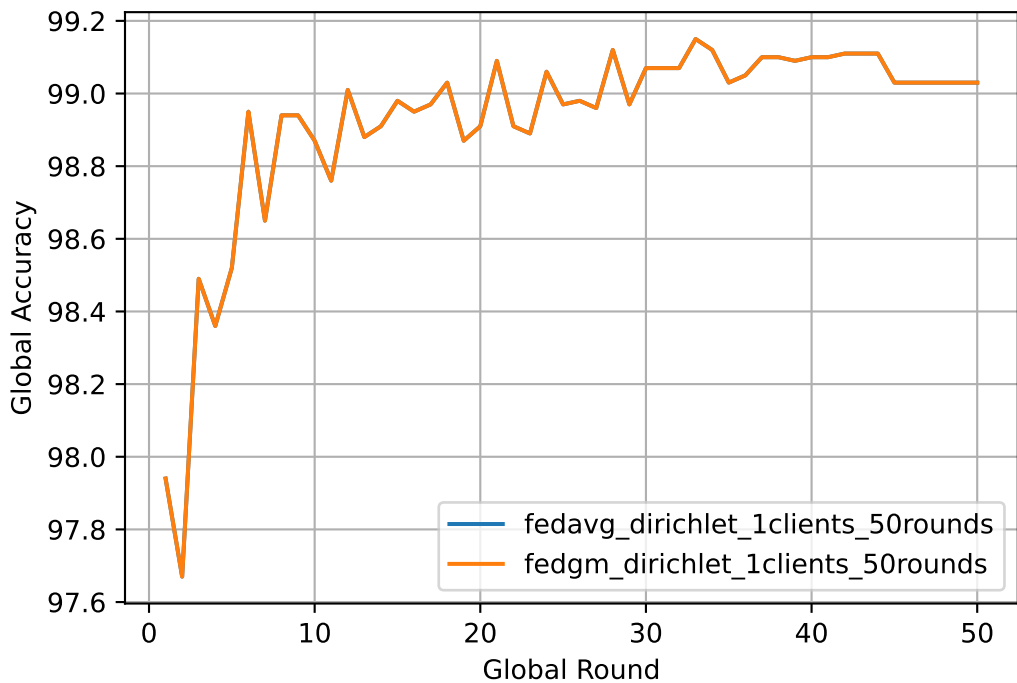
fedavg_dirichlet_1clients_50rounds vs. fedgm_dirichlet_1clients_50rounds | lr_per_client_per_global_round.png
fedavg_dirichlet_1clients_50rounds



fedavg_dirichlet_1clients_50rounds vs. fedgm_dirichlet_1clients_50rounds | training_loss_per_client.png
fedavg_dirichlet_1clients_50rounds



avg_dirichlet_1clients_50rounds vs. fedgm_dirichlet_1clients_50rounds | Server Accuracy



fedavg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | accuracy_clients_and_global.png

FedAvg final client accuracies:

Client 0: 98.1100

Client 1: 97.8600

Final global accuracy: 98.9500

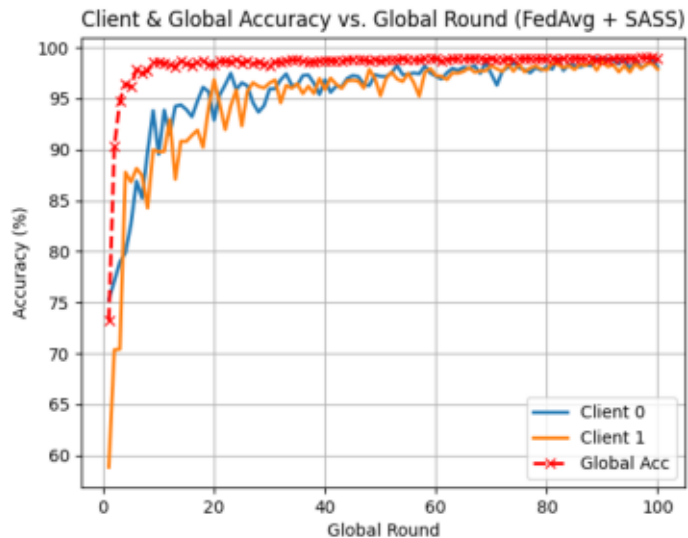
FedGM final client accuracies:

Client 0: 98.8600

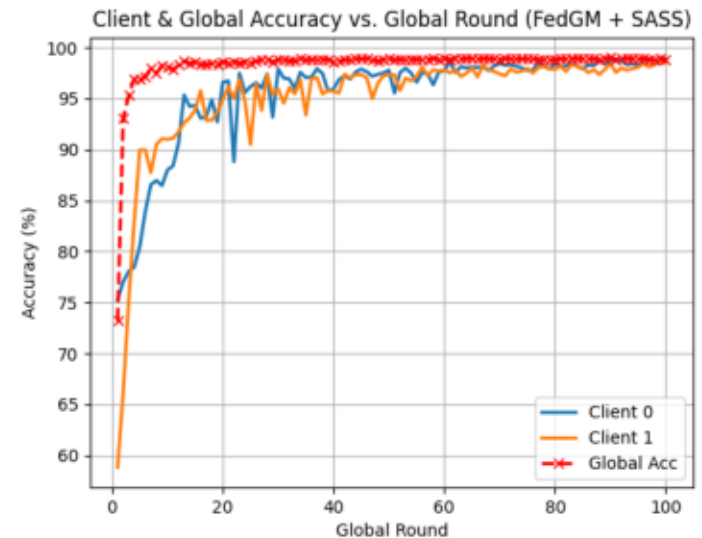
Client 1: 98.5400

Final global accuracy: 98.8500

fedavg_dirichlet_2clients_100rounds

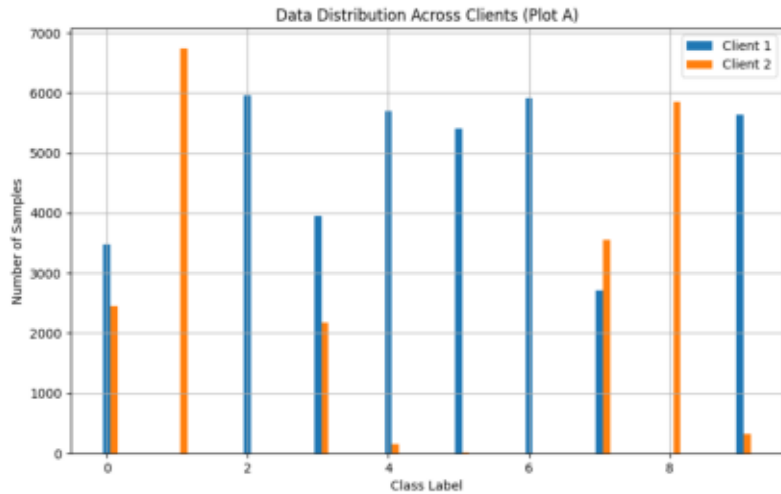


fedgm_dirichlet_2clients_100rounds

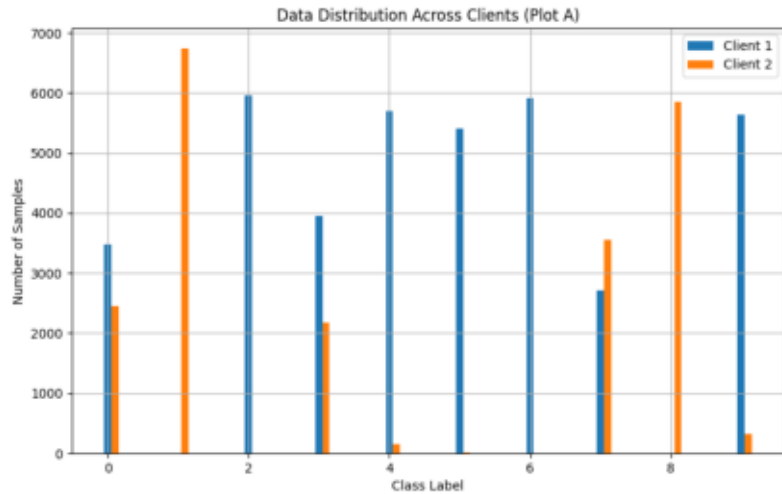


fedavg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | data_dist.png

fedavg_dirichlet_2clients_100rounds



fedgm_dirichlet_2clients_100rounds



fedavg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | data_dist_B.png

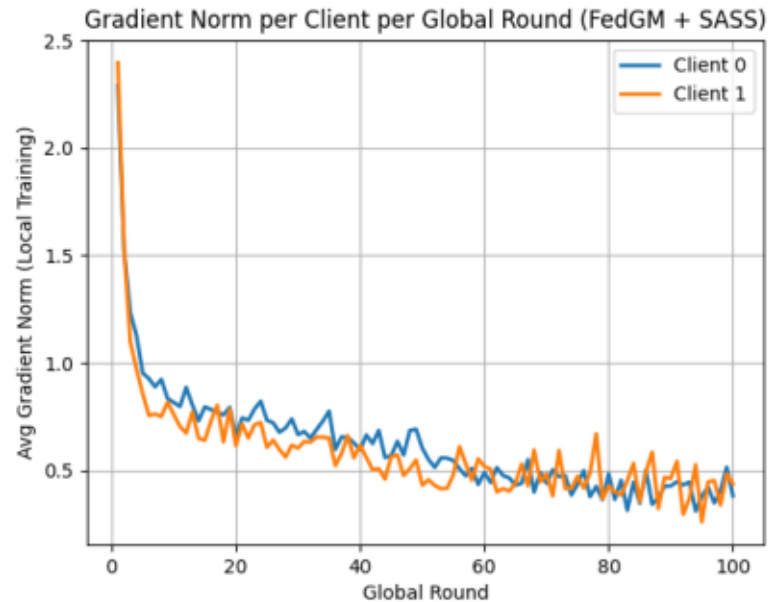
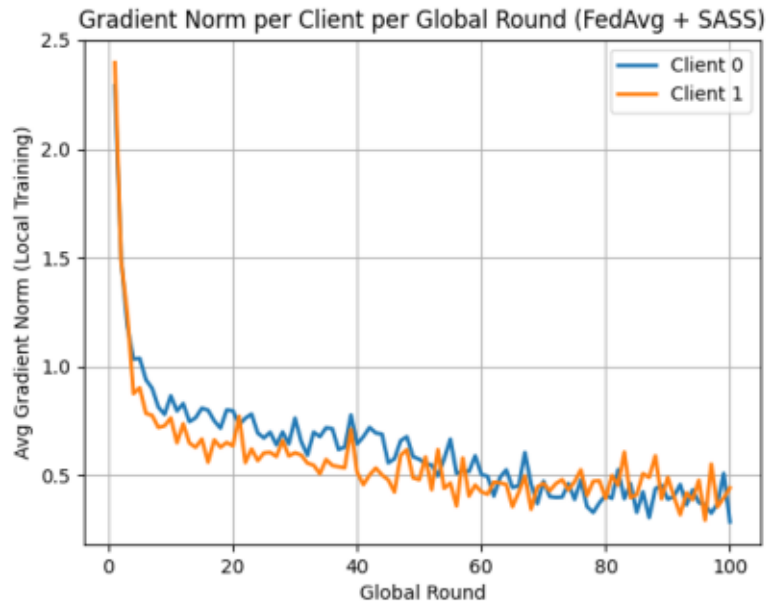
fedavg_dirichlet_2clients_100rounds



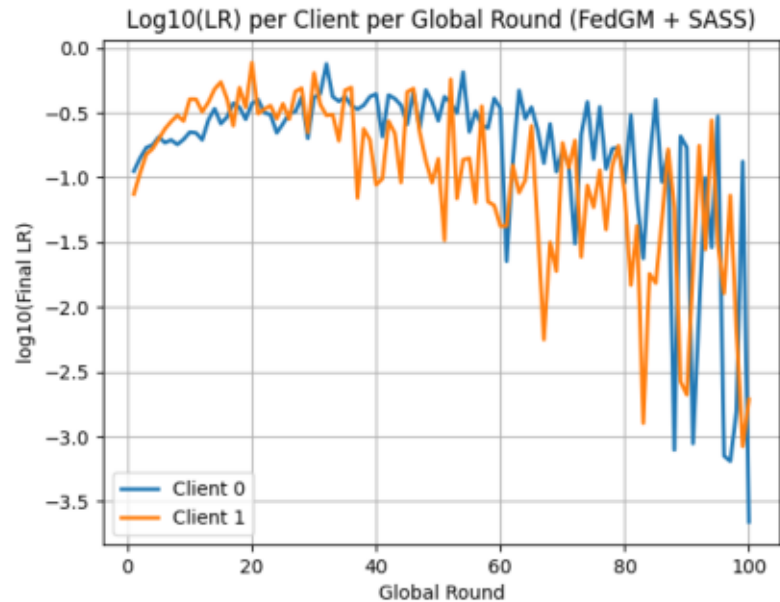
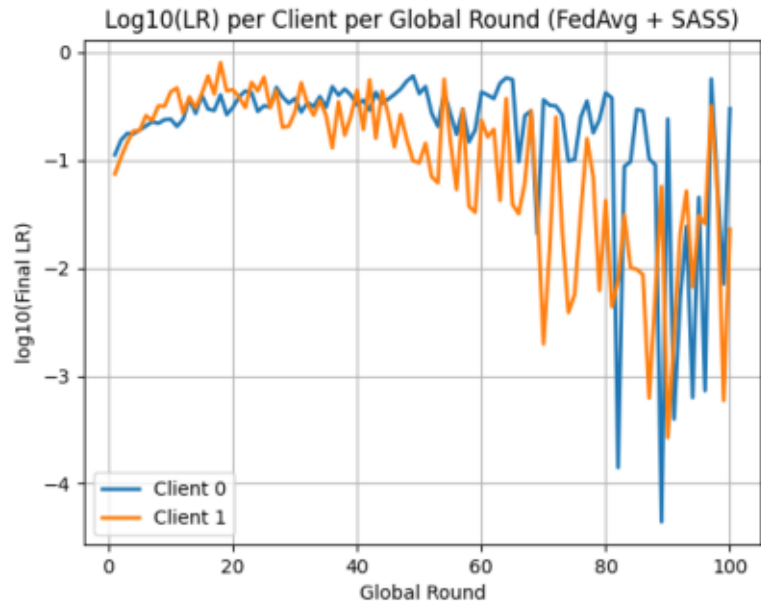
fedgm_dirichlet_2clients_100rounds



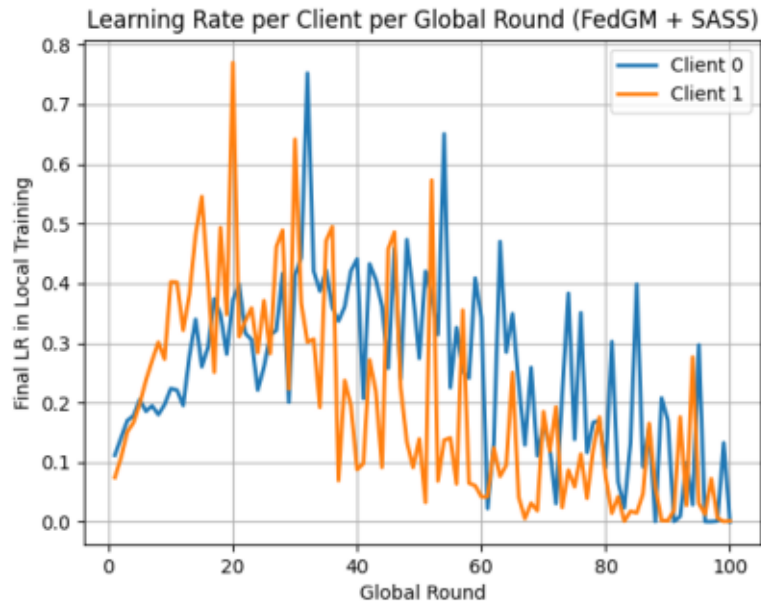
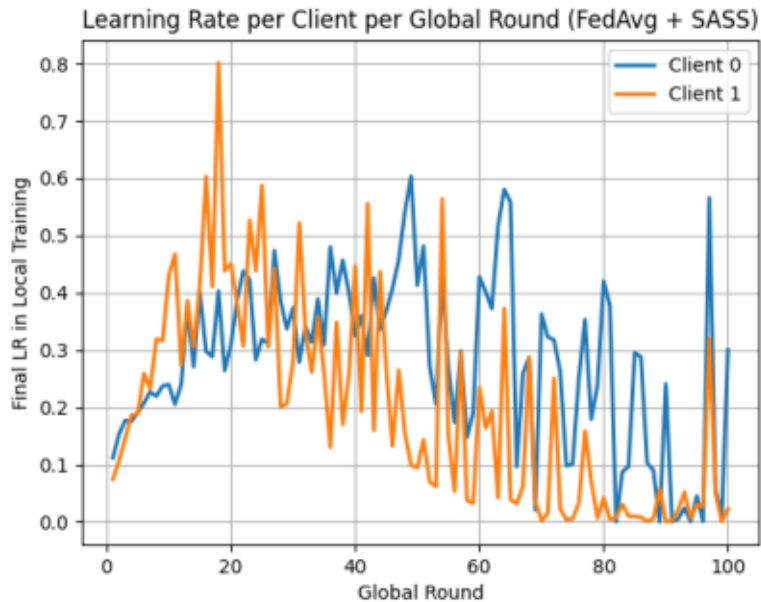
fedavg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | grad_norm_per_client_per_global_round.png
fedavg_dirichlet_2clients_100rounds
fedgm_dirichlet_2clients_100rounds



fedavg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | lr_per_client_per_global_round_log.png
fedavg_dirichlet_2clients_100rounds fedgm_dirichlet_2clients_100rounds



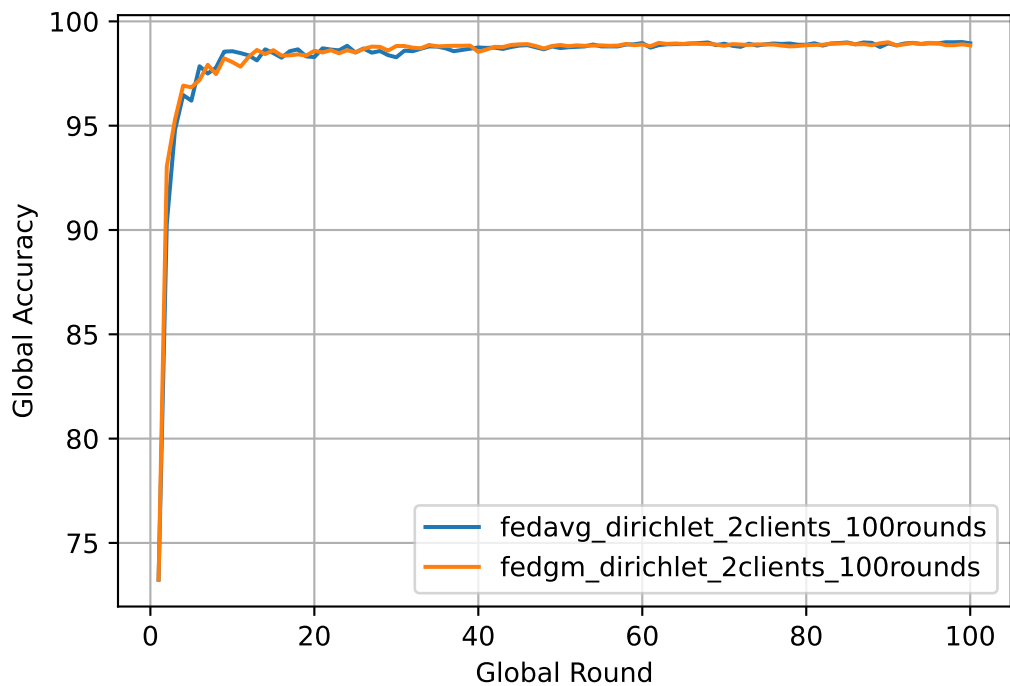
fedavg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | lr_per_client_per_global_round.png
fedavg_dirichlet_2clients_100rounds



fedavg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | training_loss_per_client.png
fedavg_dirichlet_2clients_100rounds



vg_dirichlet_2clients_100rounds vs. fedgm_dirichlet_2clients_100rounds | Server Accu



fedavg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | accuracy_clients_and_global.png

FedAvg final client accuracies:

Client 0: 98.8400

Client 1: 98.0200

Client 2: 98.8600

Final global accuracy: 99.0500

FedGM final client accuracies:

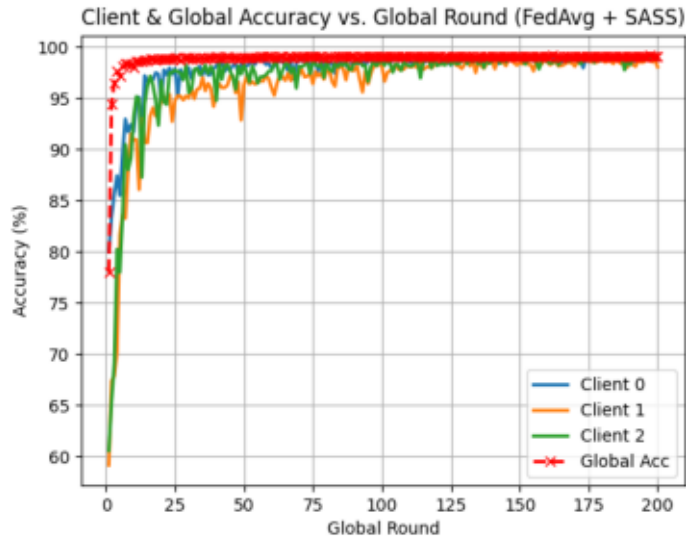
Client 0: 99.0000

Client 1: 98.1800

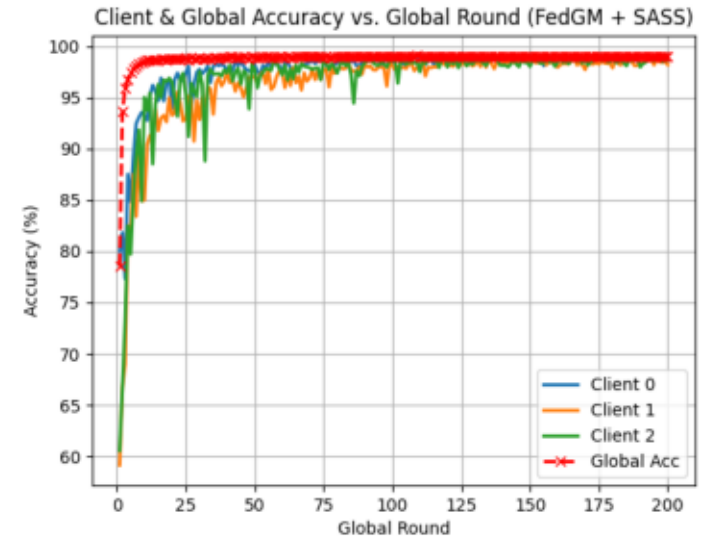
Client 2: 98.6200

Final global accuracy: 98.9900

fedavg_dirichlet_3clients_200rounds

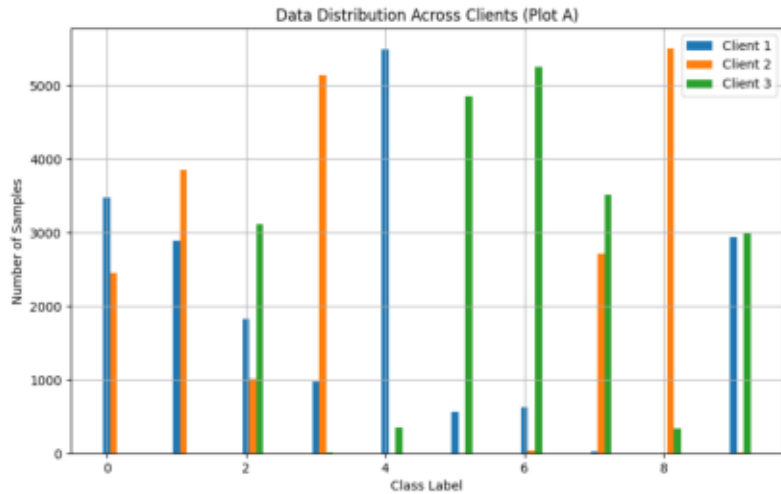


fedgm_dirichlet_3clients_200rounds

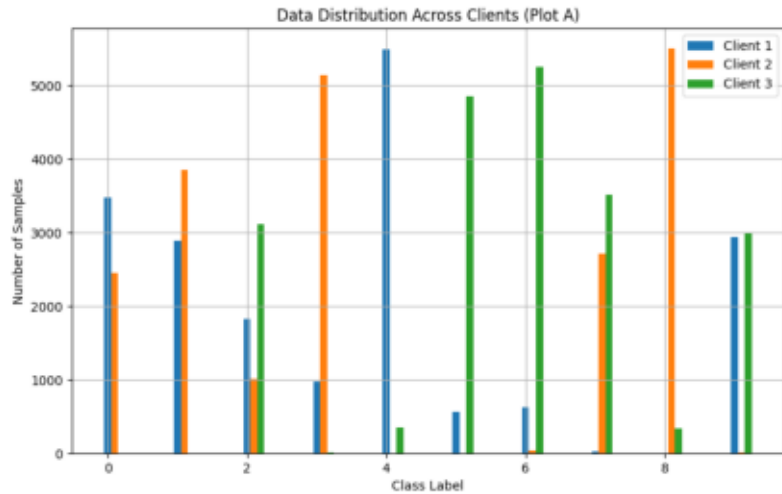


fedavg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | data_dist.png

fedavg_dirichlet_3clients_200rounds

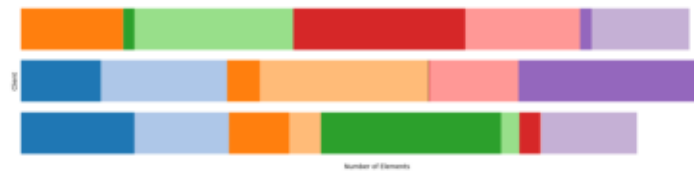


fedgm_dirichlet_3clients_200rounds

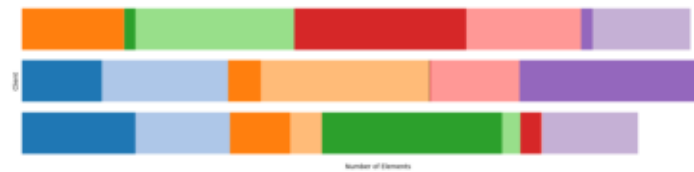


fedavg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | data_dist_B.png

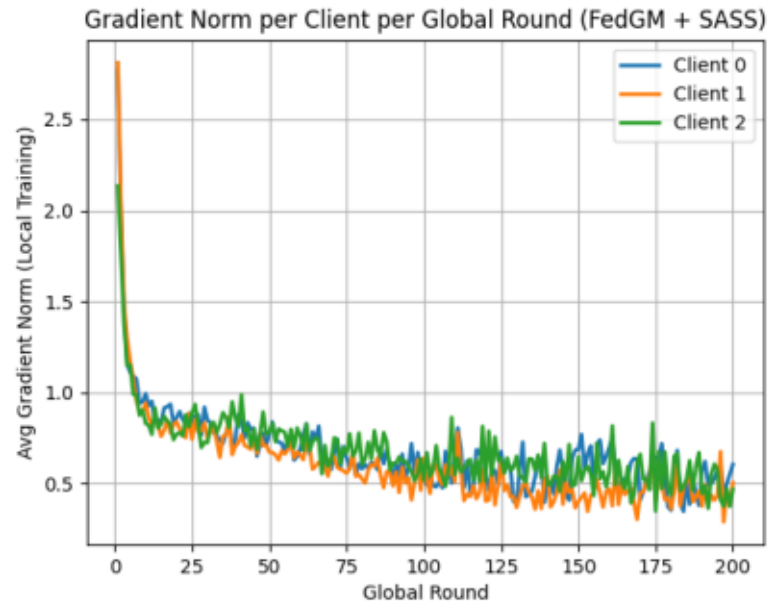
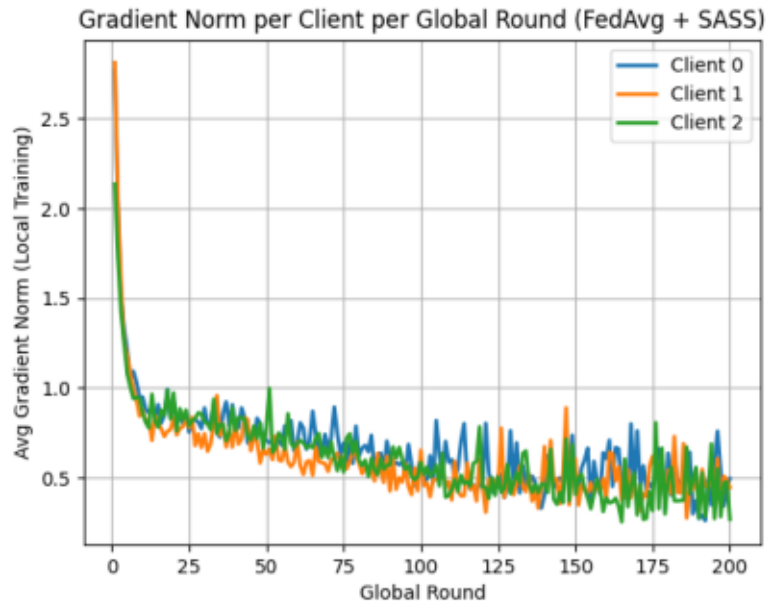
fedavg_dirichlet_3clients_200rounds



fedgm_dirichlet_3clients_200rounds



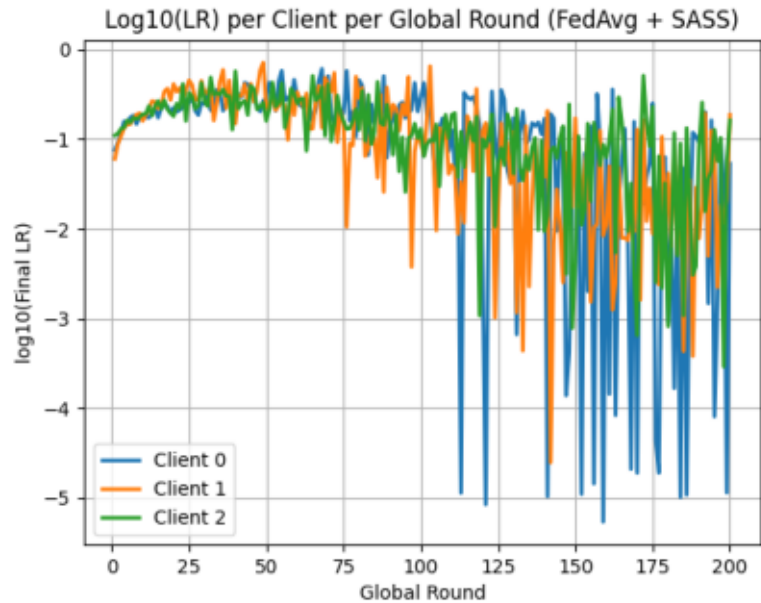
fedavg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | grad_norm_per_client_per_global_round.png
fedavg_dirichlet_3clients_200rounds fedgm_dirichlet_3clients_200rounds



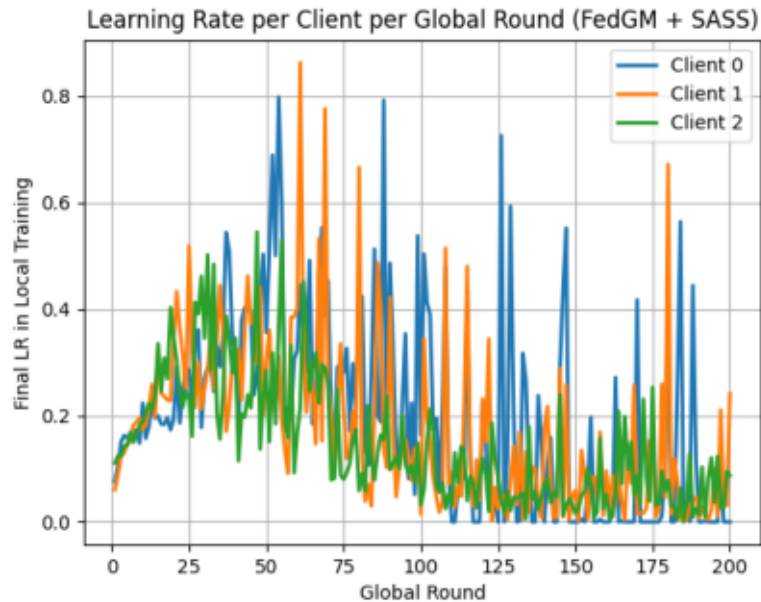
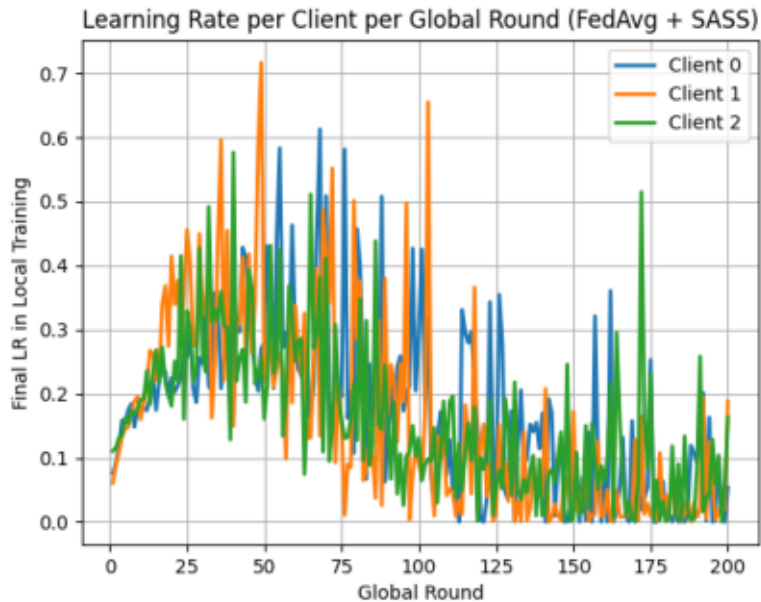
fedavg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | lr_per_client_per_global_round_log.png

fedavg_dirichlet_3clients_200rounds

fedgm_dirichlet_3clients_200rounds



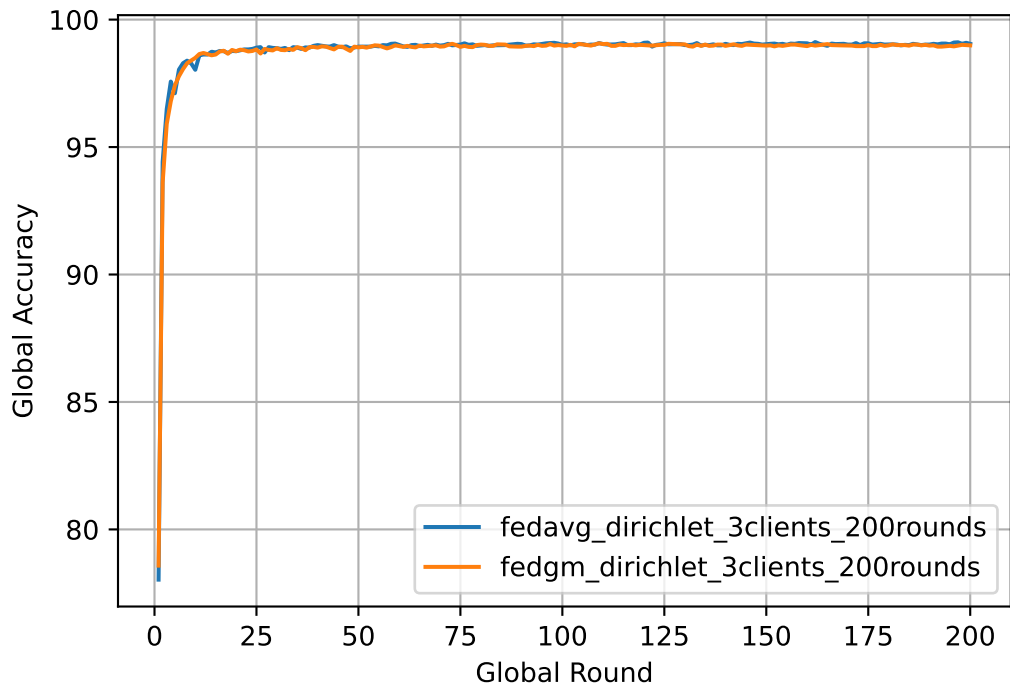
fedavg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | lr_per_client_per_global_round.png
fedavg_dirichlet_3clients_200rounds



fedavg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | training_loss_per_client.png
fedavg_dirichlet_3clients_200rounds



vg_dirichlet_3clients_200rounds vs. fedgm_dirichlet_3clients_200rounds | Server Accu



FedAvg final client accuracies:

Client 0: 98.8900

Client 1: 98.7800

Client 2: 98.8800

Client 3: 98.9900

Client 4: 99.0600

Final global accuracy: 99.0500

FedGM final client accuracies:

Client 0: 98.4500

Client 1: 98.7700

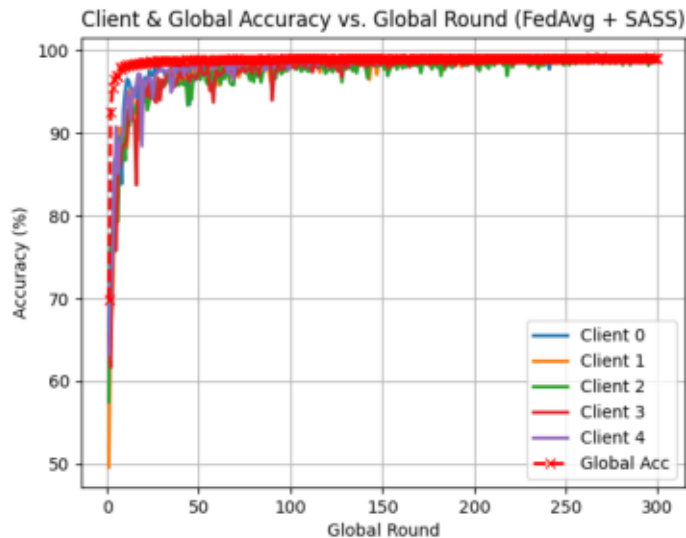
Client 2: 98.2100

Client 3: 98.2500

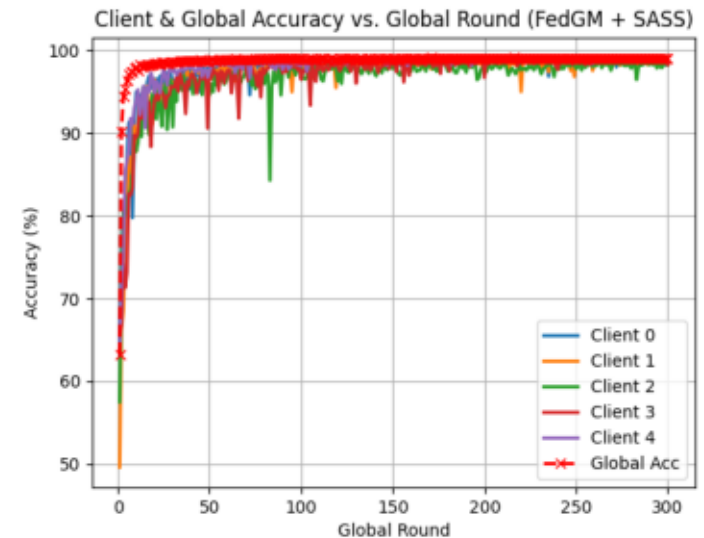
Client 4: 98.8600

Final global accuracy: 99.0600

fedavg_dirichlet_5clients_300rounds

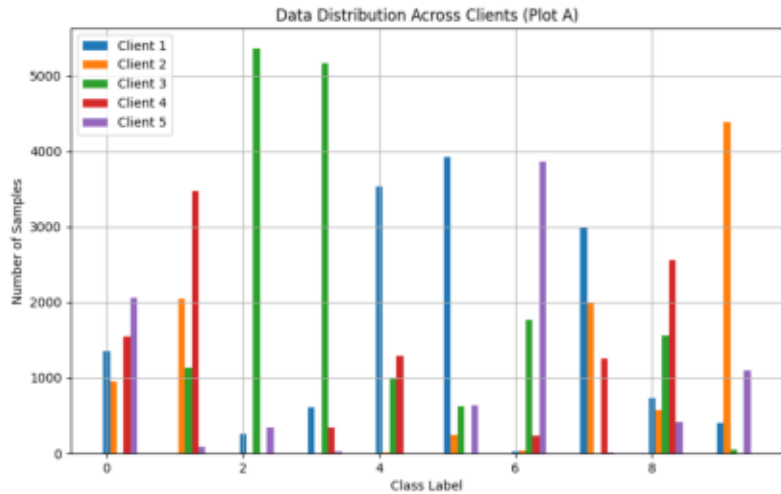


fedgm_dirichlet_5clients_300rounds

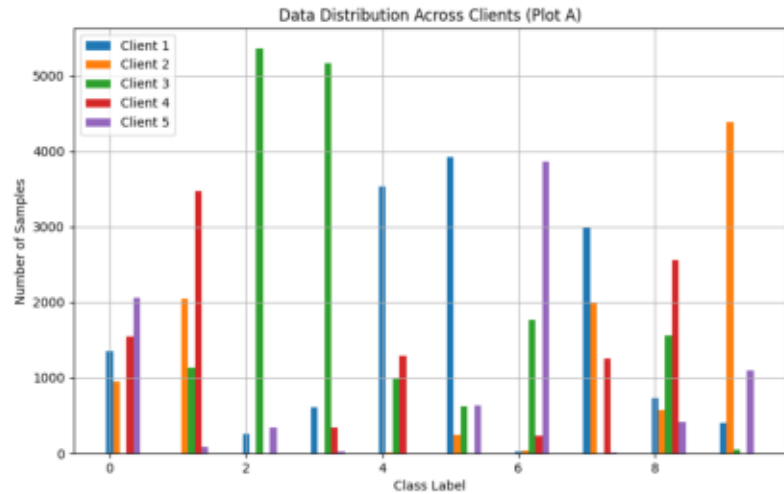


fedavg_dirichlet_5clients_300rounds vs. fedgm_dirichlet_5clients_300rounds | data_dist.png

fedavg_dirichlet_5clients_300rounds



fedgm_dirichlet_5clients_300rounds



fedavg_dirichlet_5clients_300rounds vs. fedgm_dirichlet_5clients_300rounds | data_dist_B.png

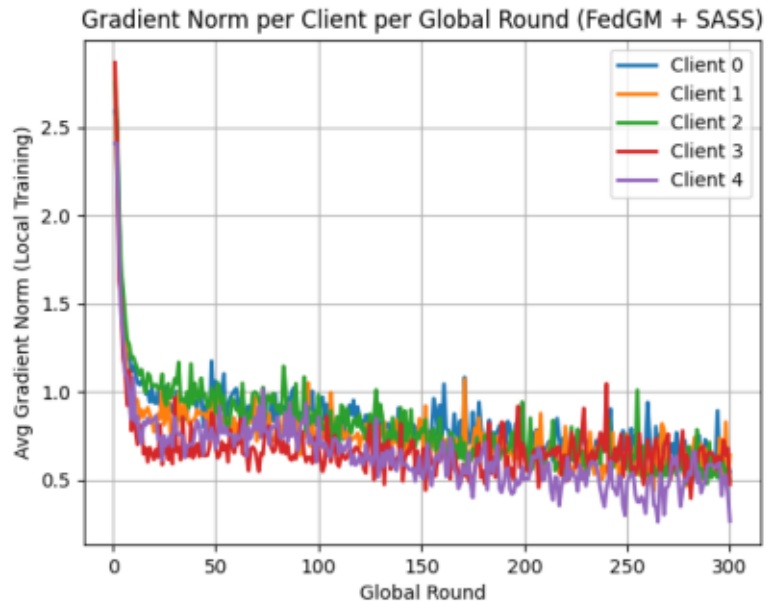
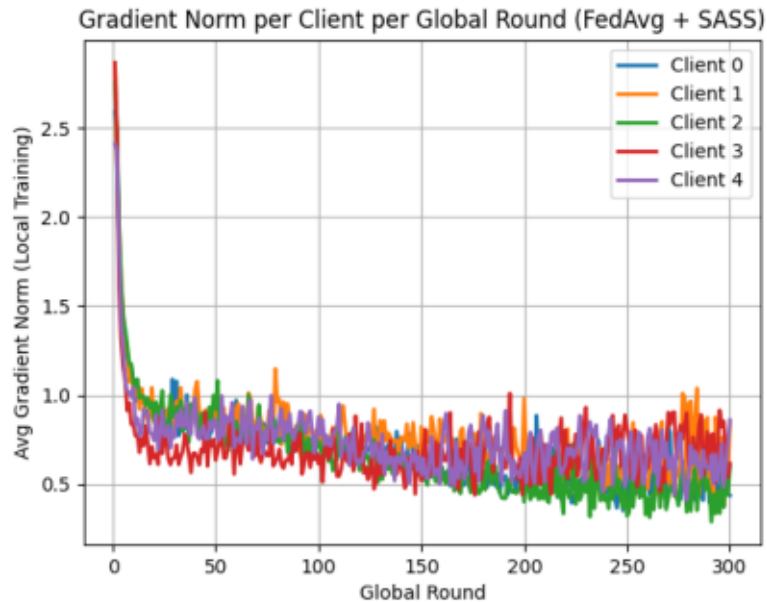
fedavg_dirichlet_5clients_300rounds



fedgm_dirichlet_5clients_300rounds



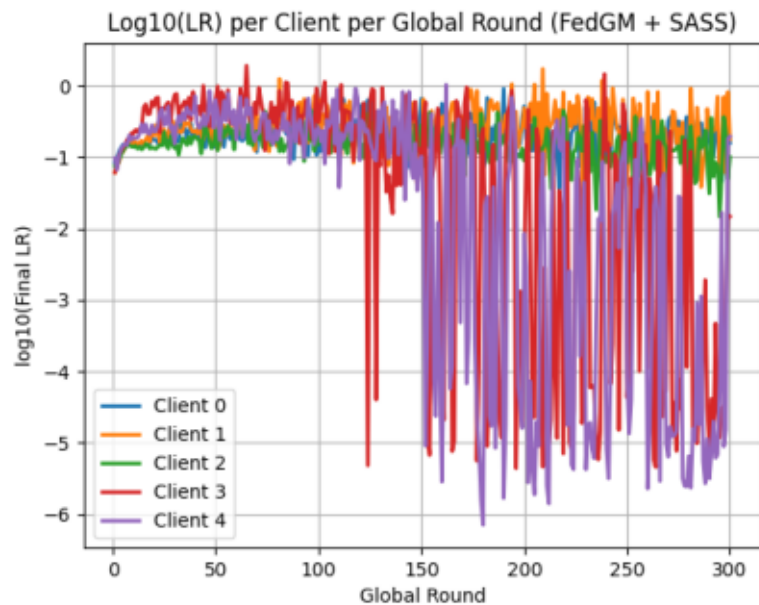
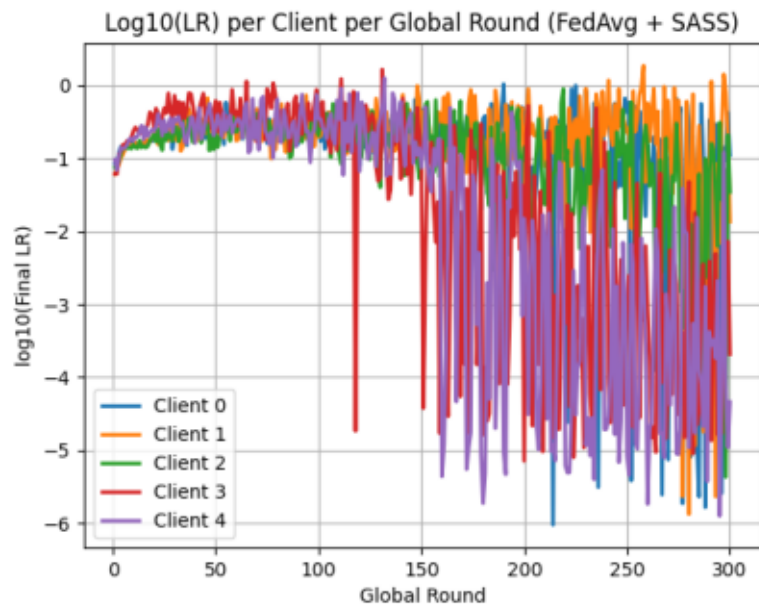
fedavg_dirichlet_5clients_300rounds vs. fedgm_dirichlet_5clients_300rounds | grad_norm_per_client_per_global_round.png
fedavg_dirichlet_5clients_300rounds fedgm_dirichlet_5clients_300rounds



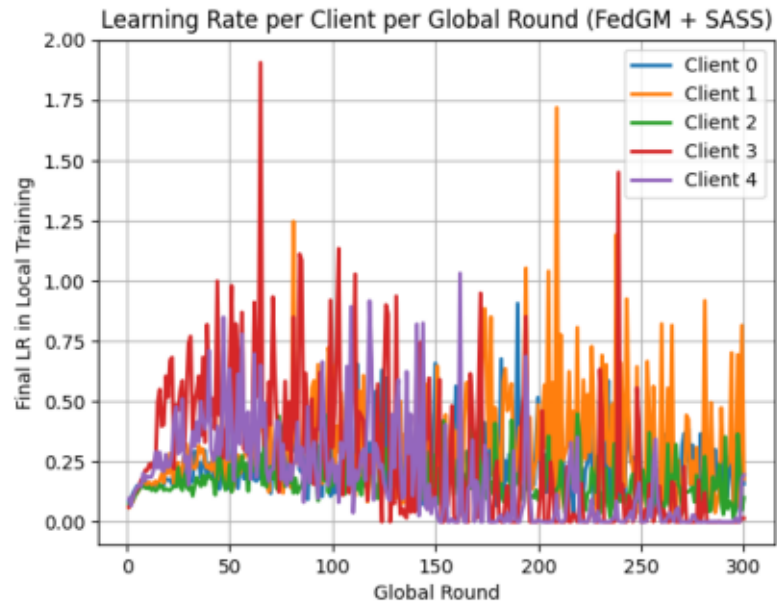
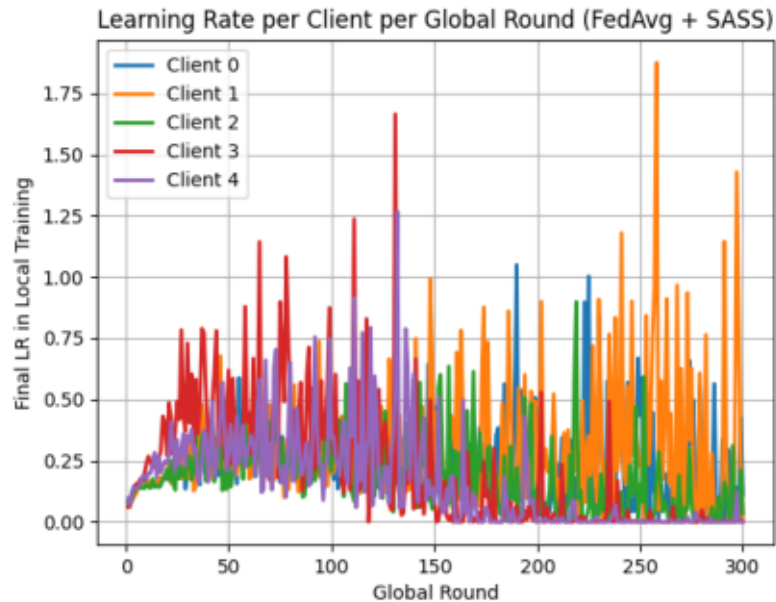
fedavg_dirichlet_5clients_300rounds vs. fedgm_dirichlet_5clients_300rounds | lr_per_client_per_global_round_log.png

fedavg_dirichlet_5clients_300rounds

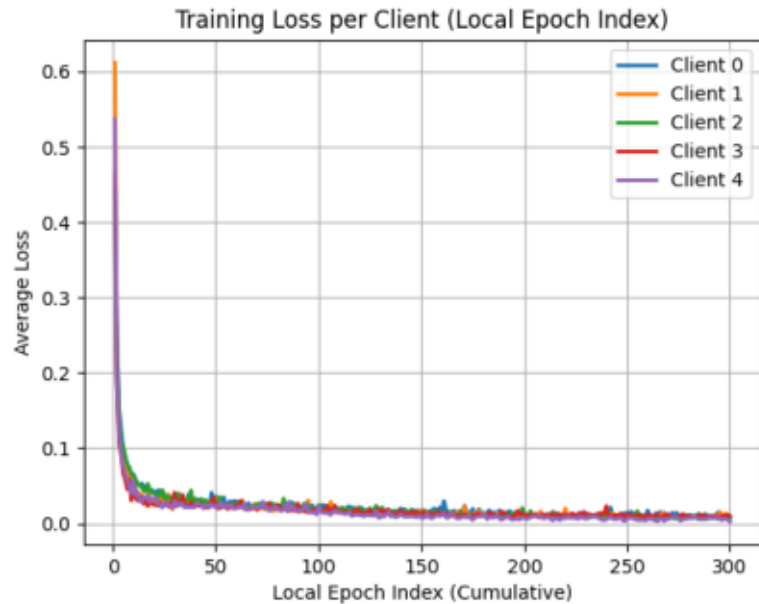
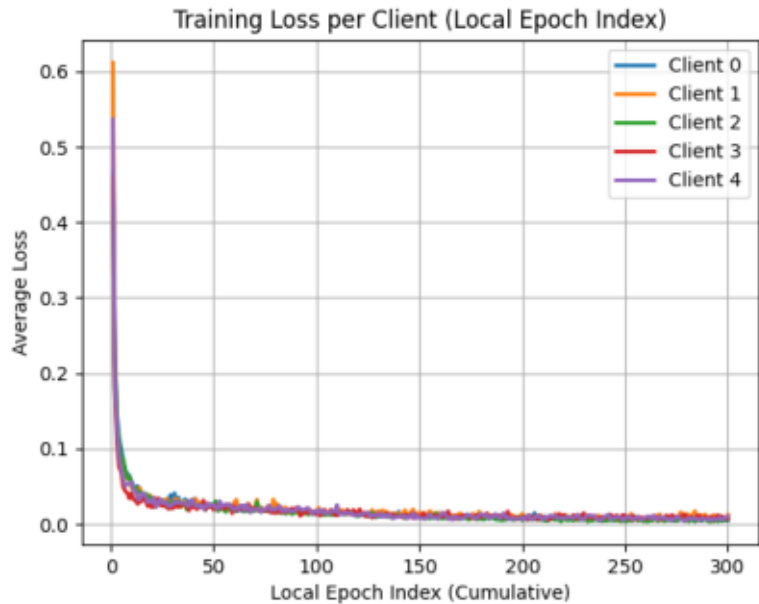
fedgm_dirichlet_5clients_300rounds



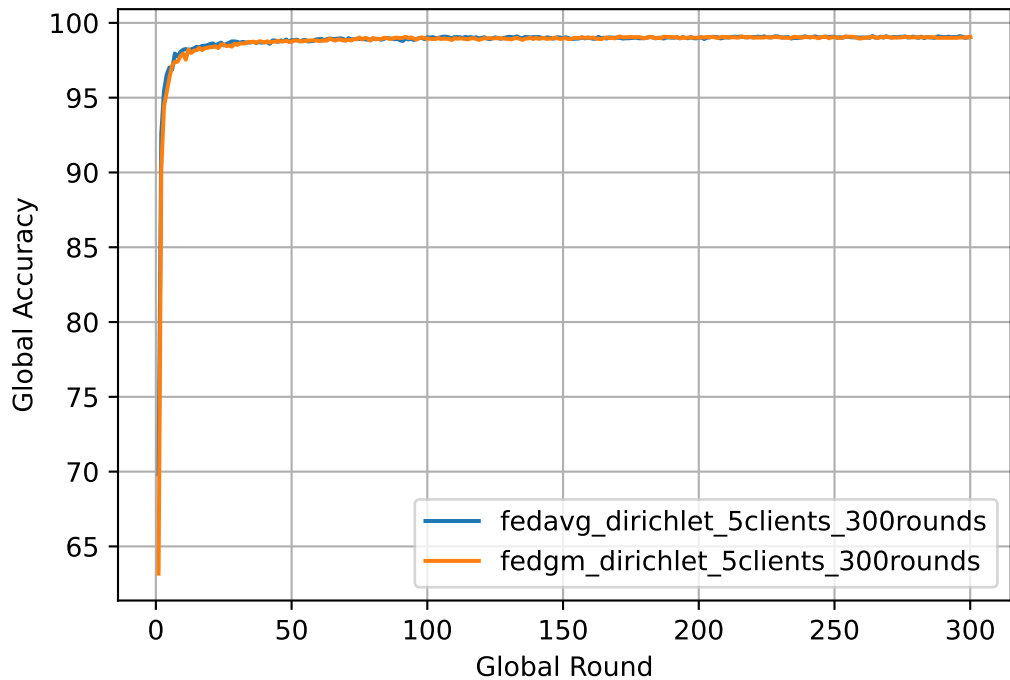
fedavg_dirichlet_5clients_300rounds vs. fedgm_dirichlet_5clients_300rounds | lr_per_client_per_global_round.png
fedavg_dirichlet_5clients_300rounds



fedavg_dirichlet_5clients_300rounds vs. fedgm_dirichlet_5clients_300rounds | training_loss_per_client.png
fedavg_dirichlet_5clients_300rounds



avg_dirichlet_5clients_300rounds vs. fedgm_dirichlet_5clients_300rounds | Server Accu



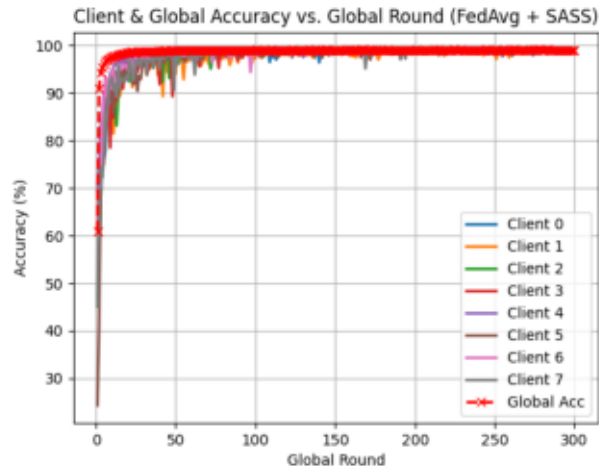
FedAvg final client accuracies:

Client 0: 98.9400
 Client 1: 98.7100
 Client 2: 99.0300
 Client 3: 98.7100
 Client 4: 99.0400
 Client 5: 98.9900
 Client 6: 98.8300
 Client 7: 98.9000
 Final global accuracy: 99.0500

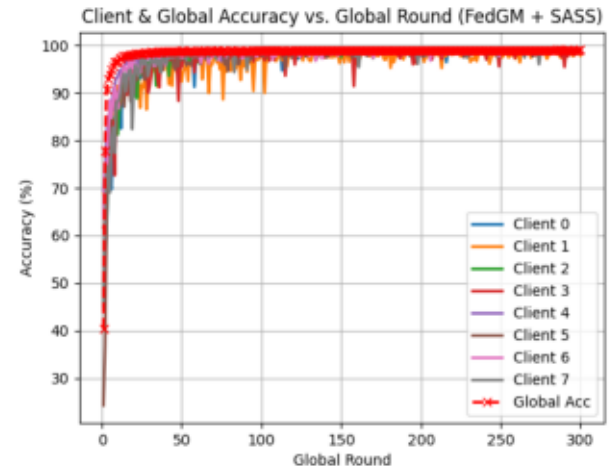
FedGM final client accuracies:

Client 0: 99.0200
 Client 1: 97.8400
 Client 2: 98.6300
 Client 3: 98.4700
 Client 4: 98.7200
 Client 5: 98.7500
 Client 6: 98.3800
 Client 7: 99.0200
 Final global accuracy: 99.0300

fedavg_dirichlet_8clients_300rounds

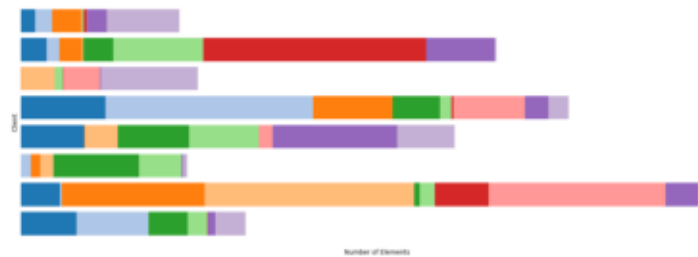


fedgm_dirichlet_8clients_300rounds

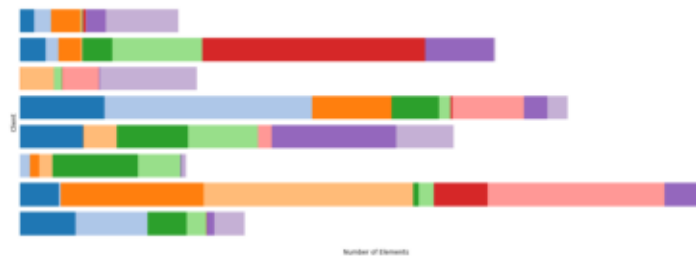


fedavg_dirichlet_8clients_300rounds vs. fedgm_dirichlet_8clients_300rounds | data_dist_B.png

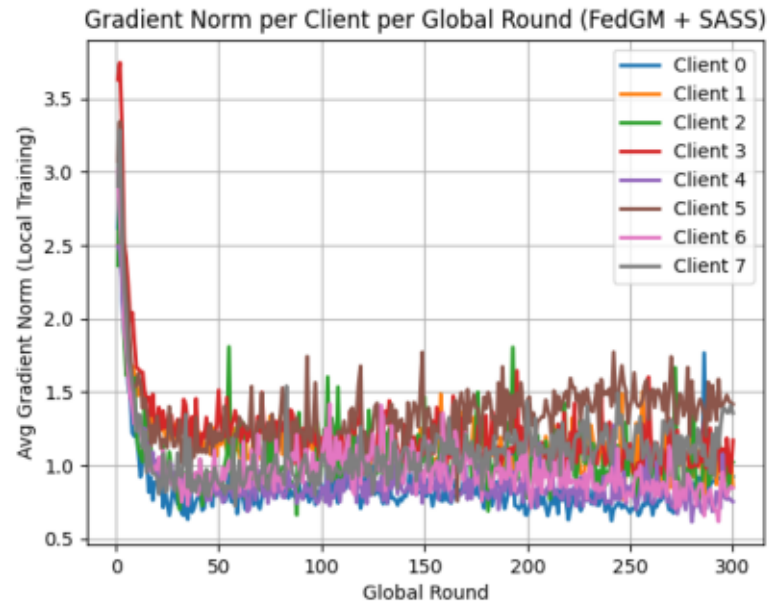
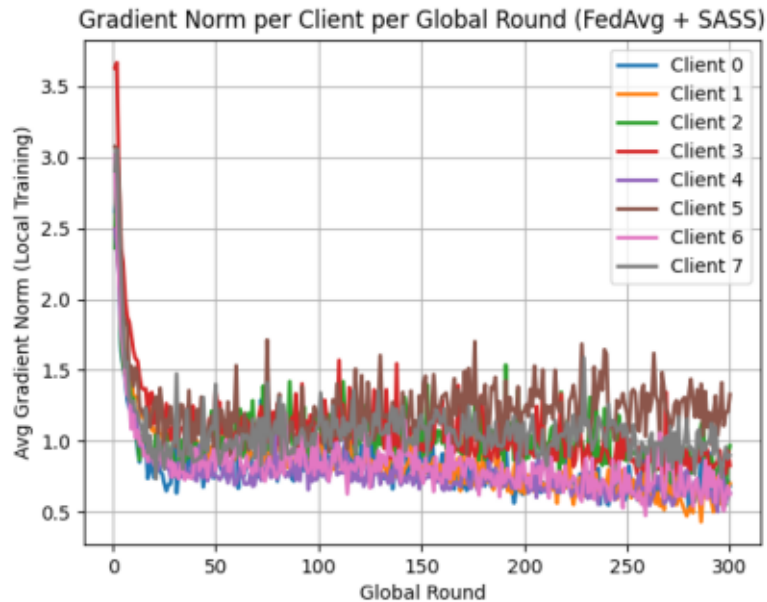
fedavg_dirichlet_8clients_300rounds



fedgm_dirichlet_8clients_300rounds



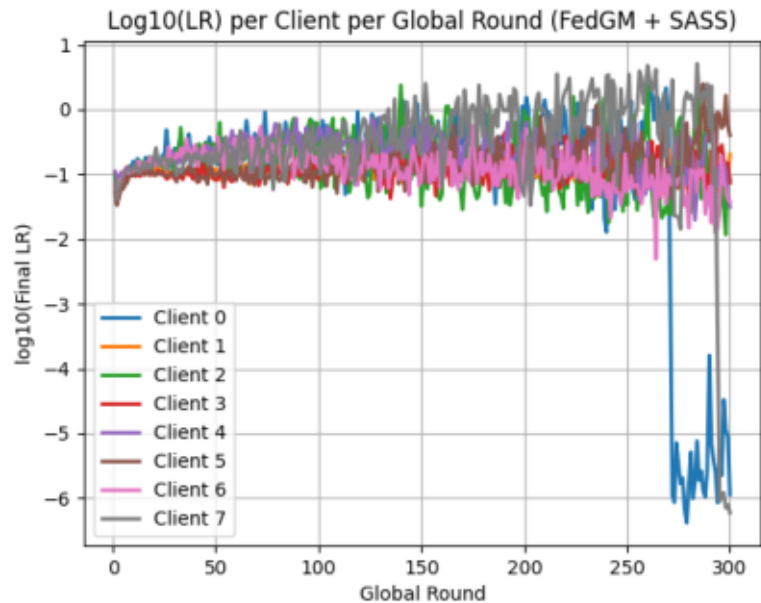
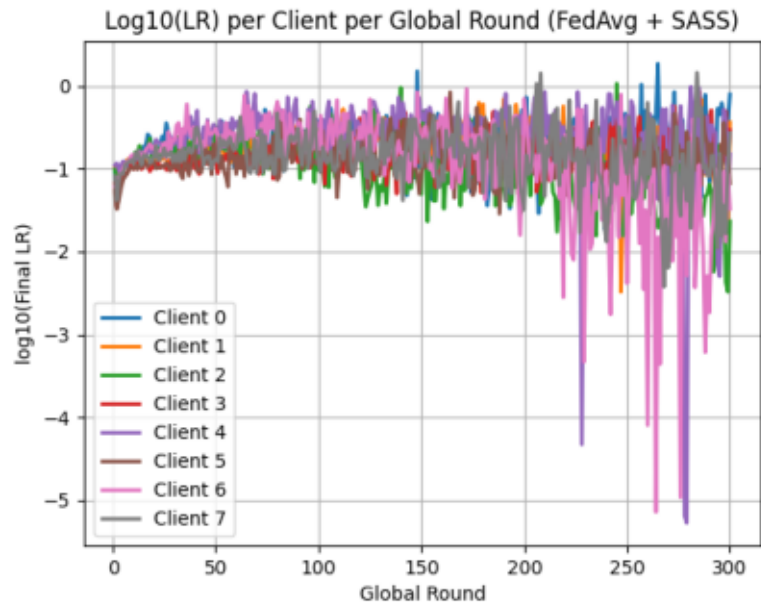
fedavg_dirichlet_8clients_300rounds vs. fedgm_dirichlet_8clients_300rounds | grad_norm_per_client_per_global_round.png
fedavg_dirichlet_8clients_300rounds fedgm_dirichlet_8clients_300rounds



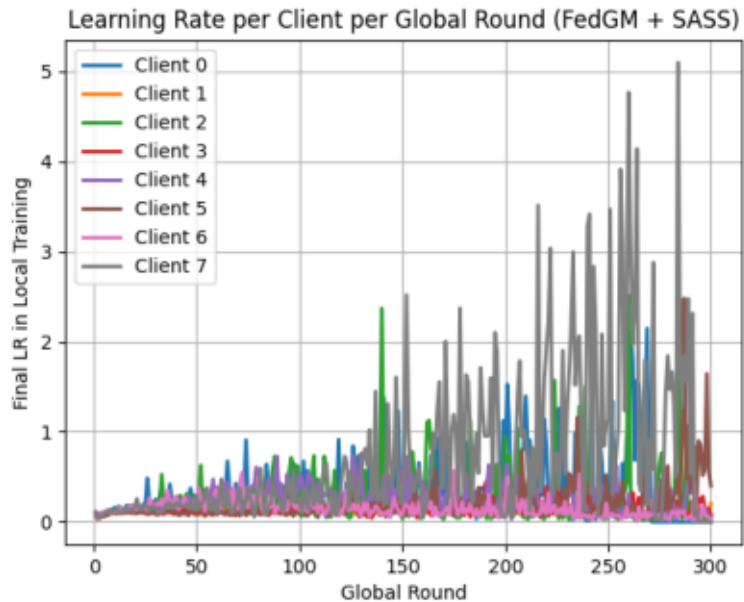
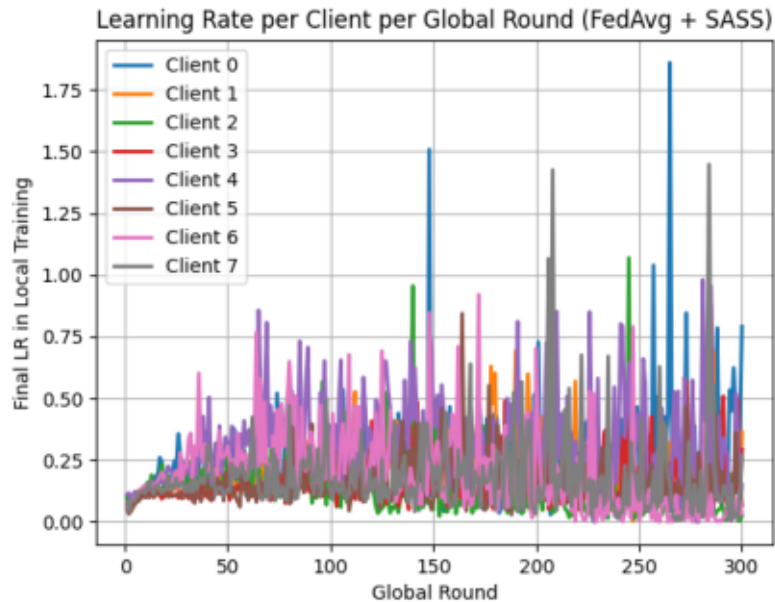
fedavg_dirichlet_8clients_300rounds vs. fedgm_dirichlet_8clients_300rounds | lr_per_client_per_global_round_log.png

fedavg_dirichlet_8clients_300rounds

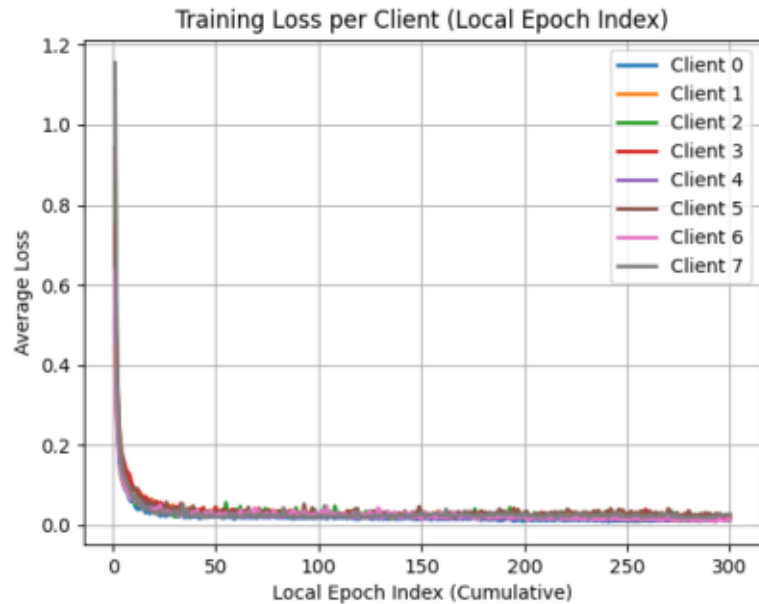
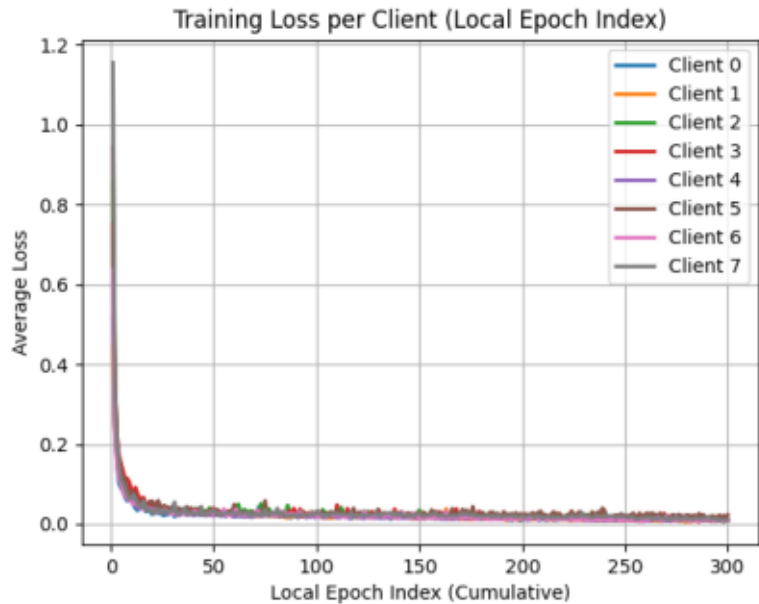
fedgm_dirichlet_8clients_300rounds



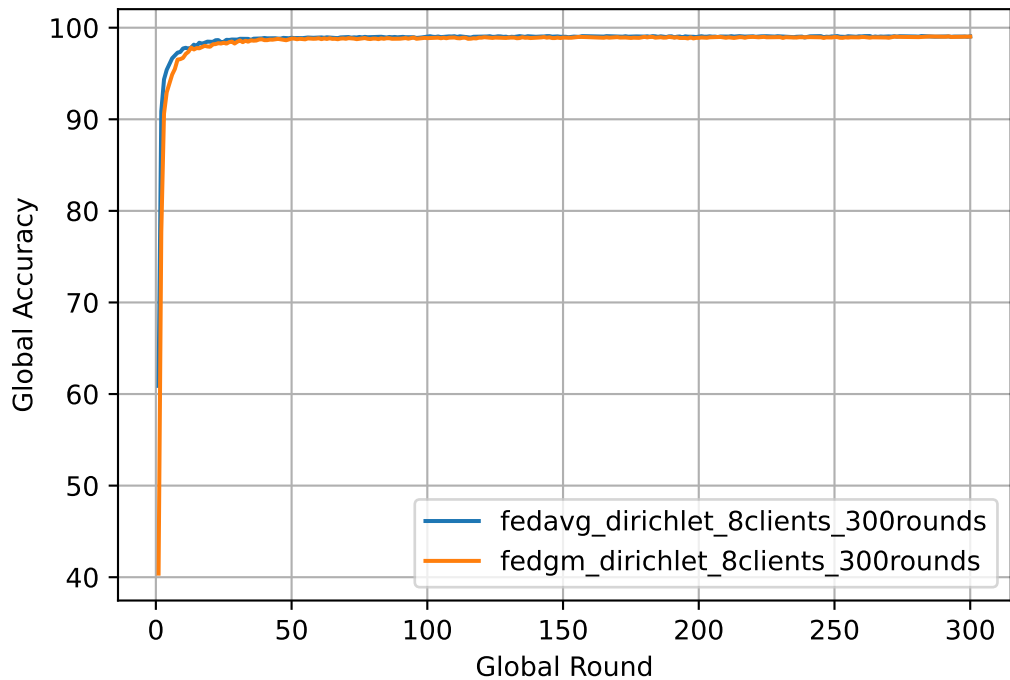
fedavg_dirichlet_8clients_300rounds vs. fedgm_dirichlet_8clients_300rounds | lr_per_client_per_global_round.png
fedavg_dirichlet_8clients_300rounds



fedavg_dirichlet_8clients_300rounds vs. fedgm_dirichlet_8clients_300rounds | training_loss_per_client.png
fedavg_dirichlet_8clients_300rounds fedgm_dirichlet_8clients_300rounds



vg_dirichlet_8clients_300rounds vs. fedgm_dirichlet_8clients_300rounds | Server Accu



FedAvg final client accuracies:

Client 0: 99.1400

Client 1: 99.1400

Client 2: 99.1400

Client 3: 99.1400

Client 4: 99.1400

Final global accuracy: 99.1400

FedGM final client accuracies:

Client 0: 99.2300

Client 1: 99.0300

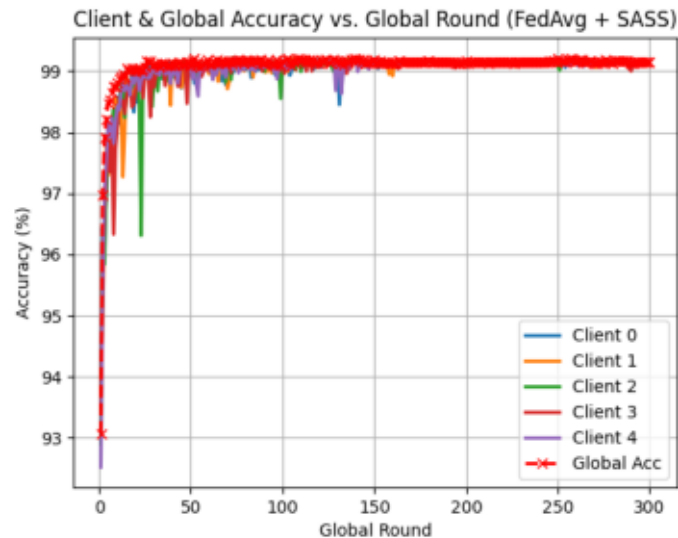
Client 2: 99.1800

Client 3: 99.2300

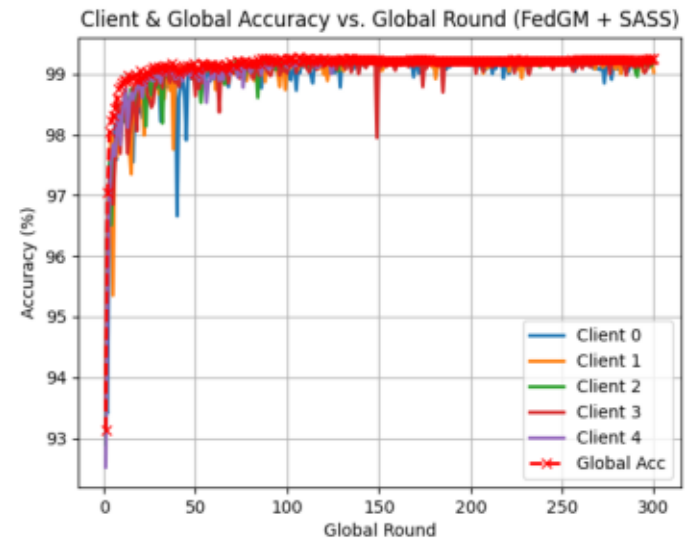
Client 4: 99.2400

Final global accuracy: 99.2500

fedavg_iid_5clients_300rounds

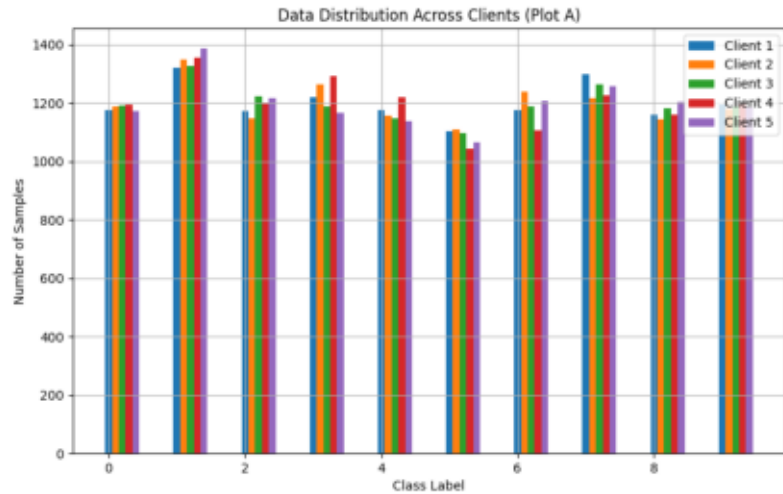


fedgm_iid_5clients_300rounds

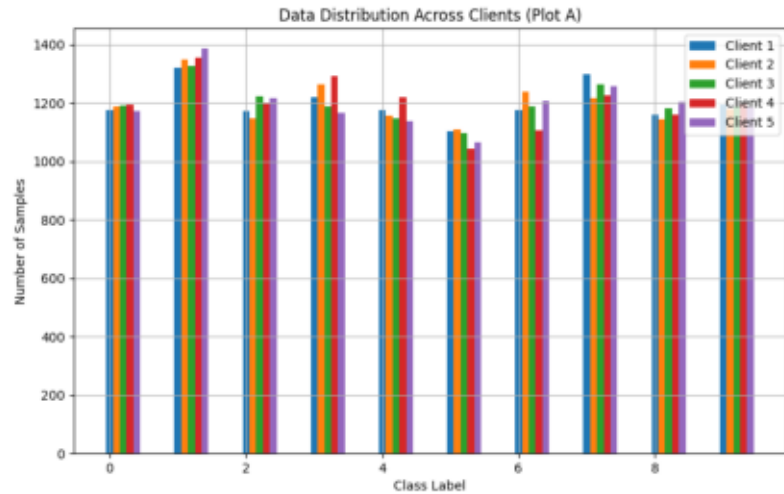


fedavg_iid_5clients_300rounds vs. fedgm_iid_5clients_300rounds | data_dist.png

fedavg_iid_5clients_300rounds

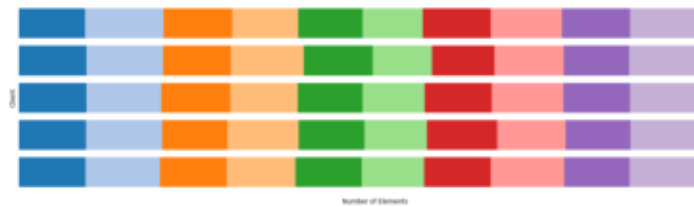


fedgm_iid_5clients_300rounds

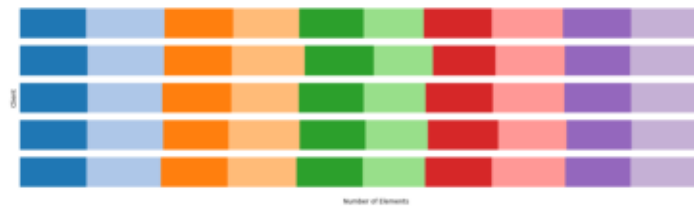


fedavg_iid_5clients_300rounds vs. fedgm_iid_5clients_300rounds | data_dist_B.png

fedavg_iid_5clients_300rounds



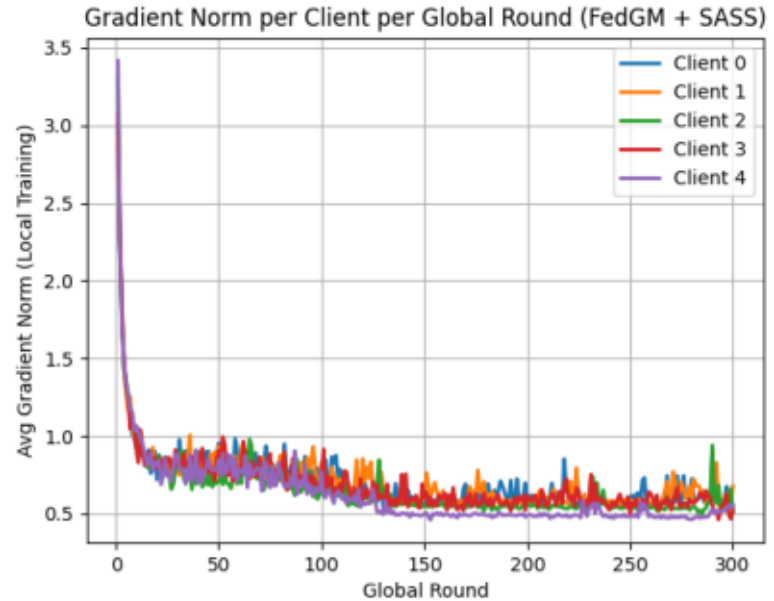
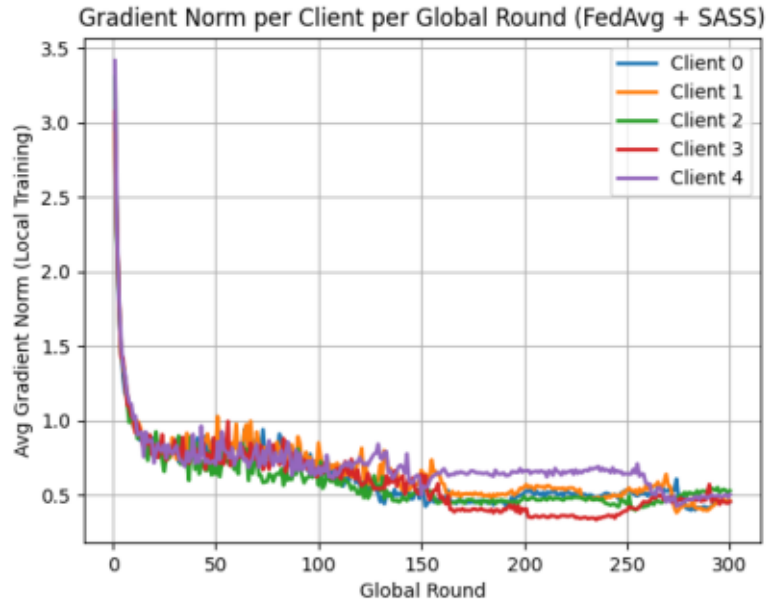
fedgm_iid_5clients_300rounds



fedavg_iid_5clients_300rounds vs. fedgm_iid_5clients_300rounds | grad_norm_per_client_per_global_round.png

fedavg_iid_5clients_300rounds

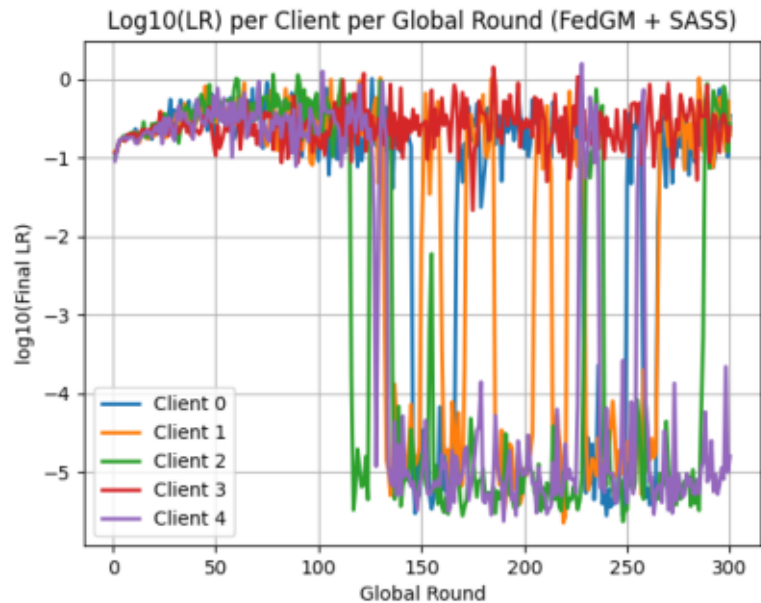
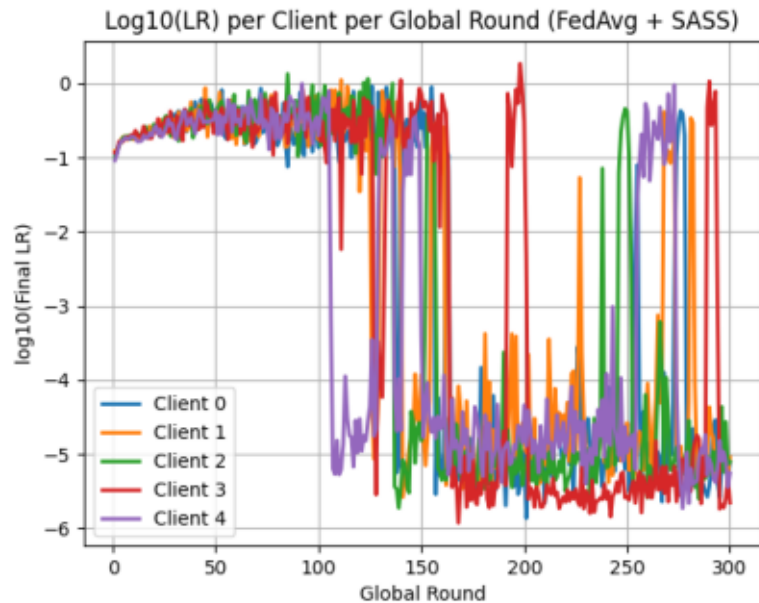
fedgm_iid_5clients_300rounds



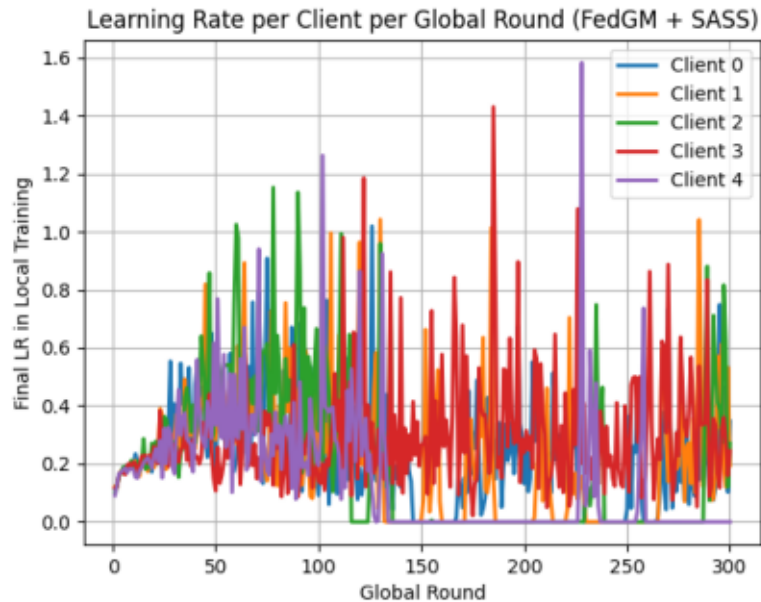
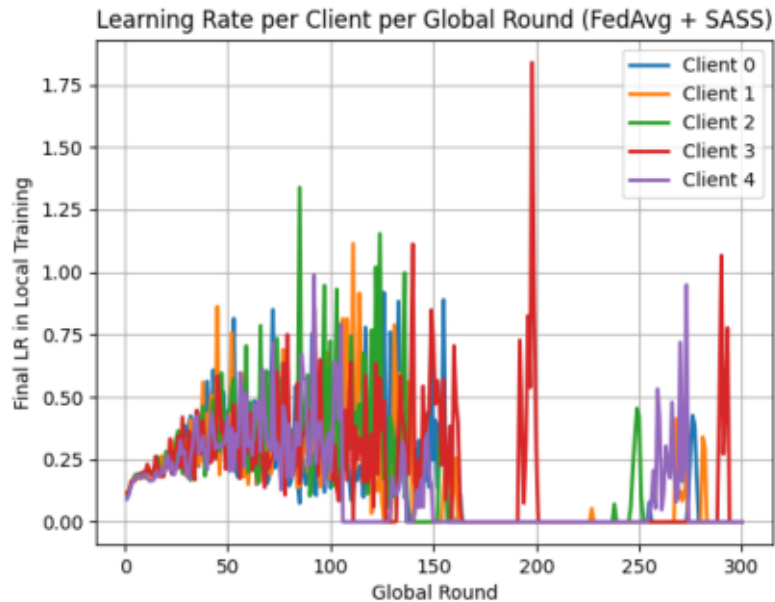
fedavg_iid_5clients_300rounds vs. fedgm_iid_5clients_300rounds | lr_per_client_per_global_round_log.png

fedavg_iid_5clients_300rounds

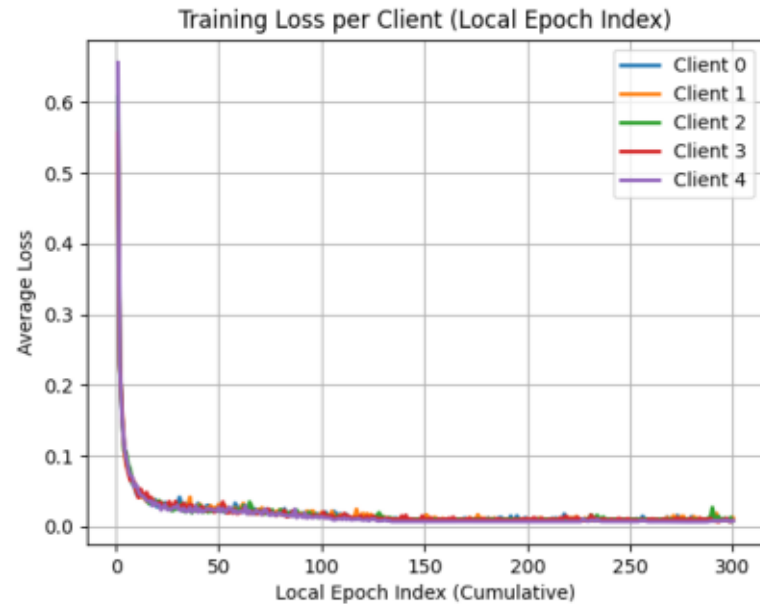
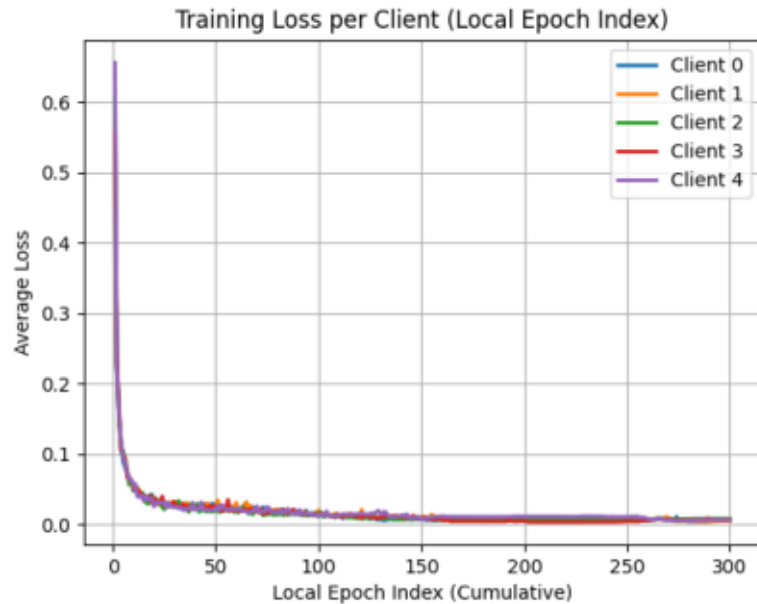
fedgm_iid_5clients_300rounds



fedavg_iid_5clients_300rounds vs. fedgm_iid_5clients_300rounds | lr_per_client_per_global_round.png
fedavg_iid_5clients_300rounds



fedavg_iid_5clients_300rounds vs. fedgm_iid_5clients_300rounds | training_loss_per_client.png
fedavg_iid_5clients_300rounds fedgm_iid_5clients_300rounds



fedavg_iid_5clients_300rounds vs. fedgm_iid_5clients_300rounds | Server Accuracy

