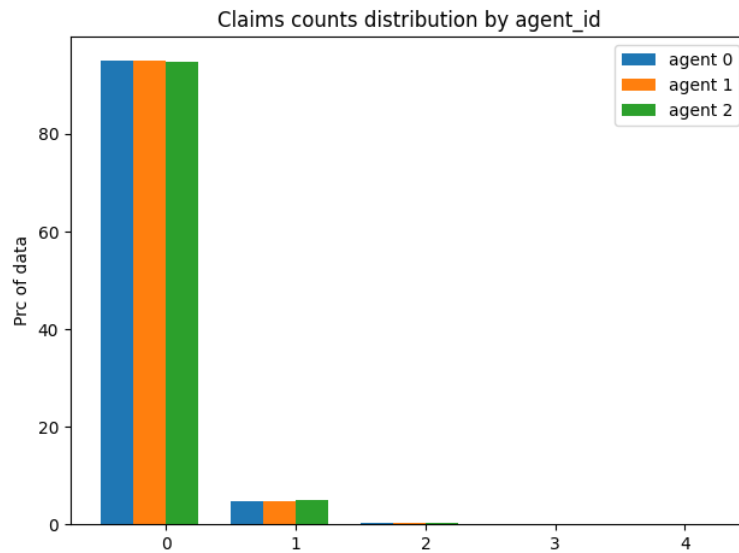
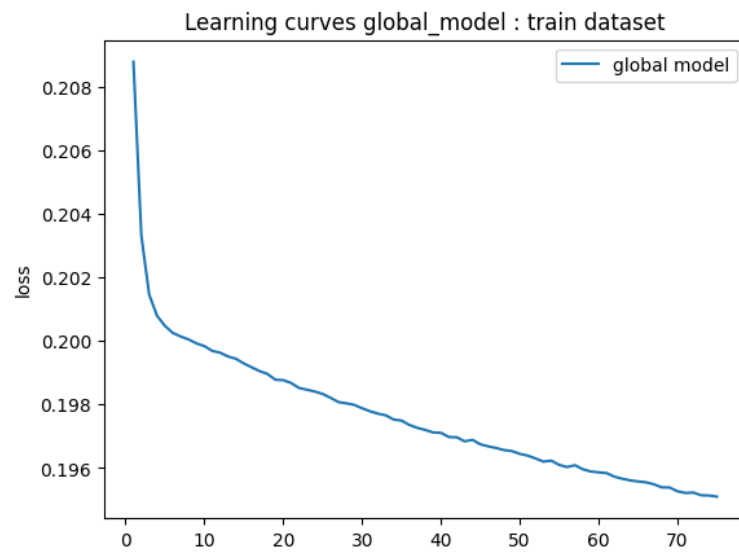


Run Results: num_agents: 10; num_rounds: 5; epochs: 5; epochs local and global: 75

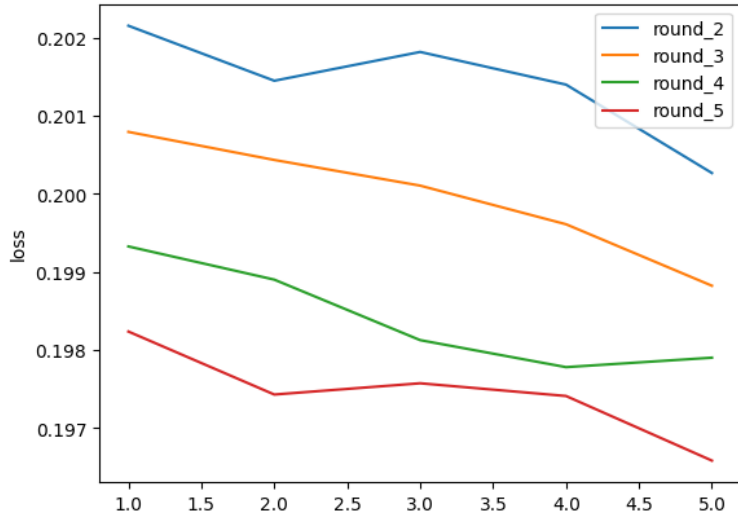
Input Data: Distribution of numbers of observed claims by FL participating parties.



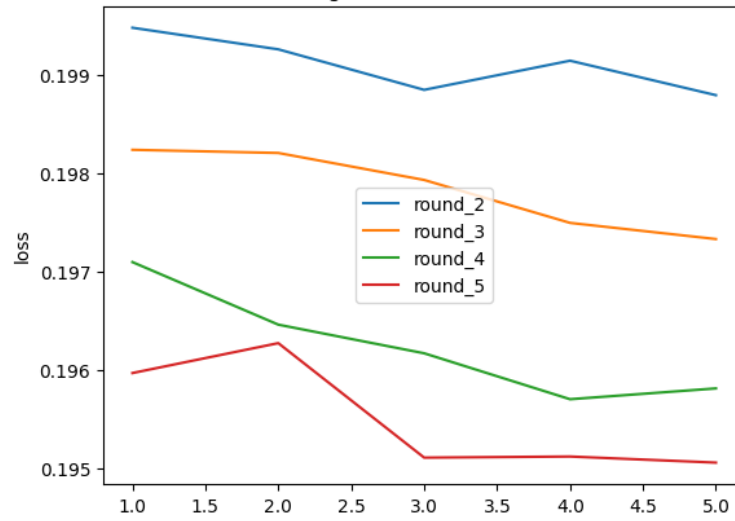
Model Training: Learning curves; Train dataset



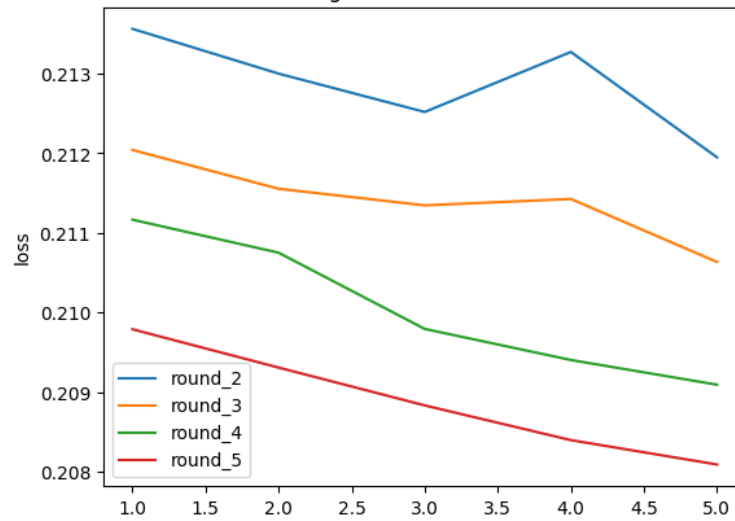
Learning curves 0 : train dataset



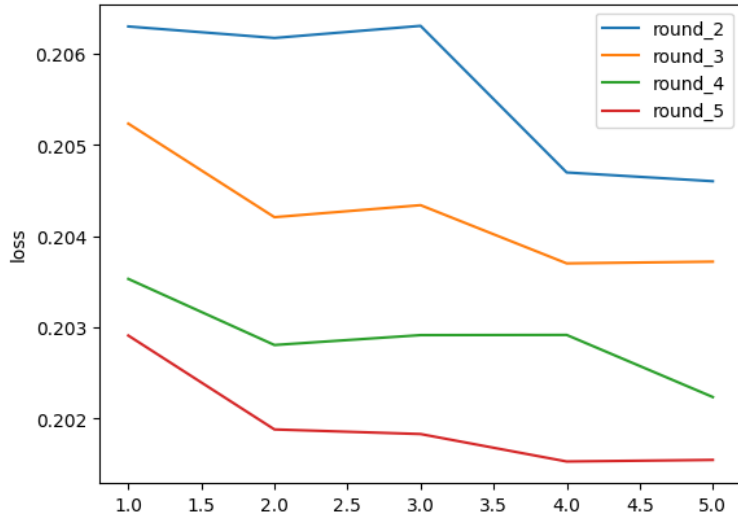
Learning curves 1 : train dataset



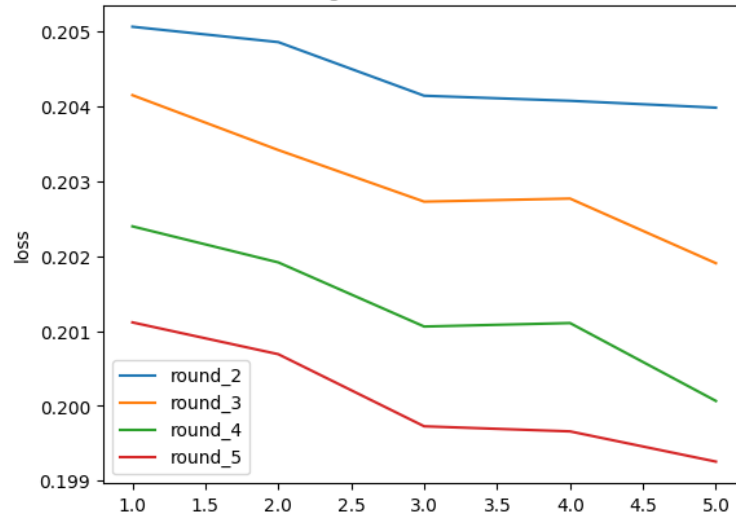
Learning curves 2 : train dataset



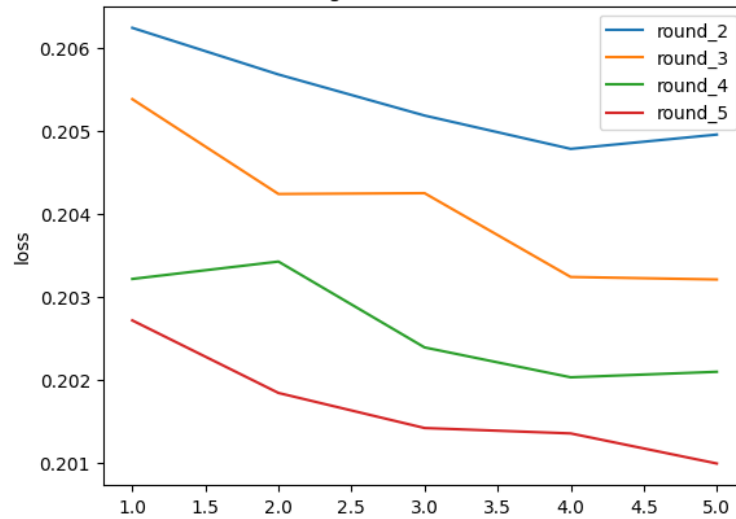
Learning curves 3 : train dataset



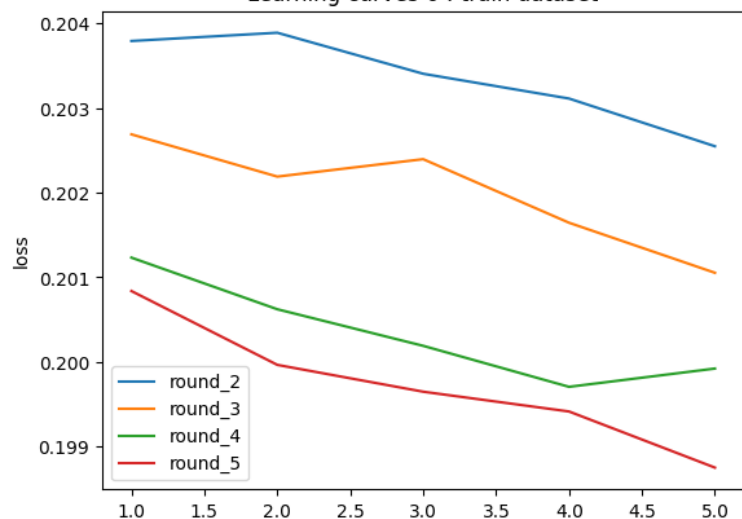
Learning curves 4 : train dataset



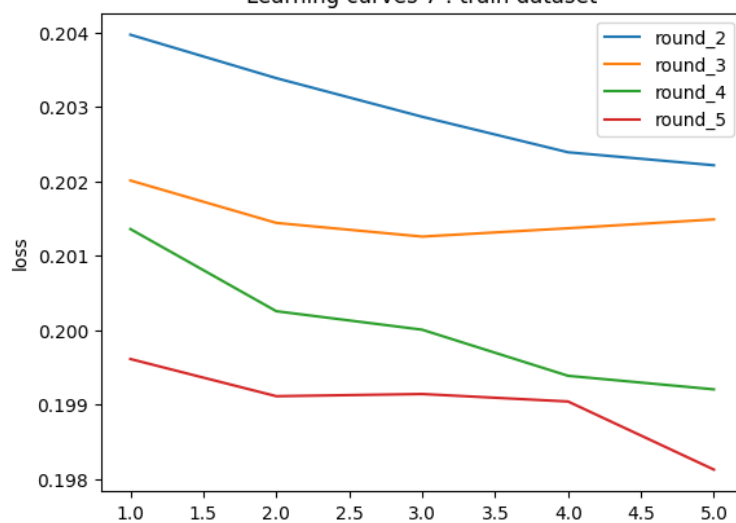
Learning curves 5 : train dataset



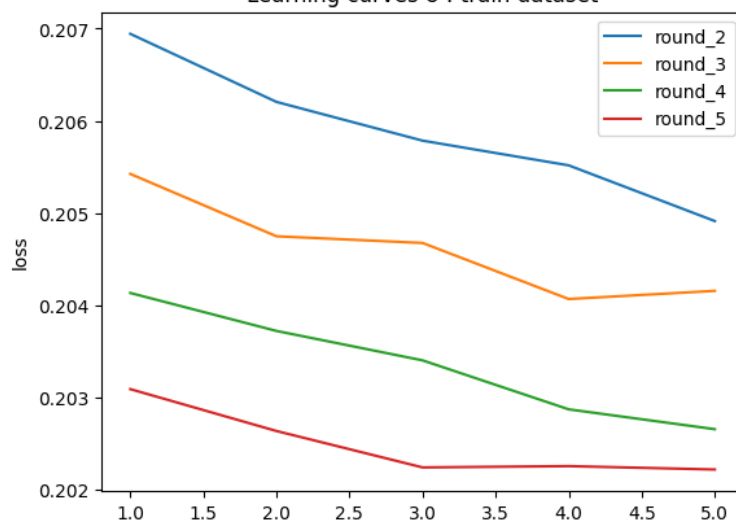
Learning curves 6 : train dataset

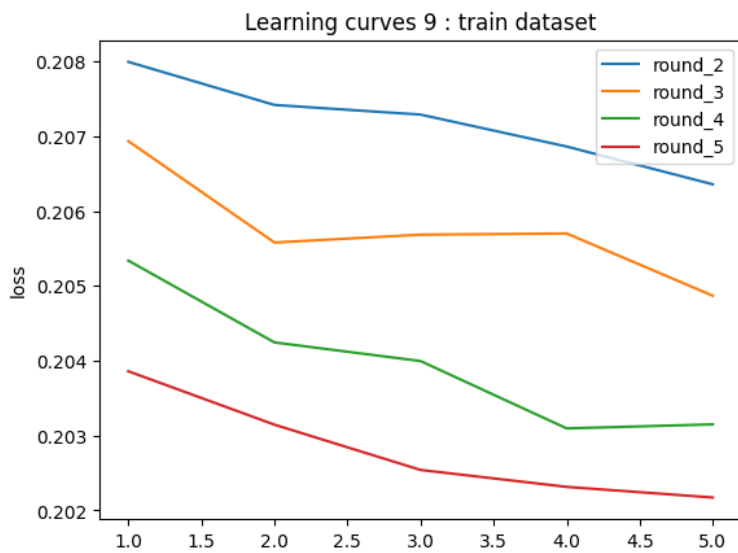


Learning curves 7 : train dataset

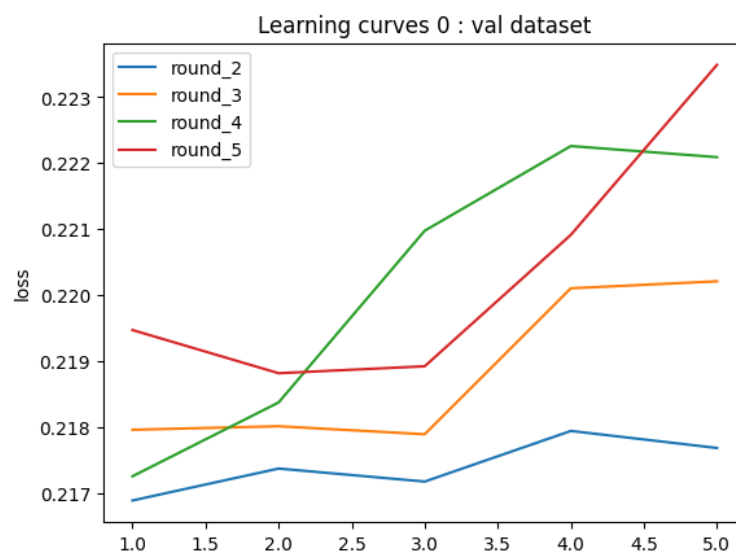
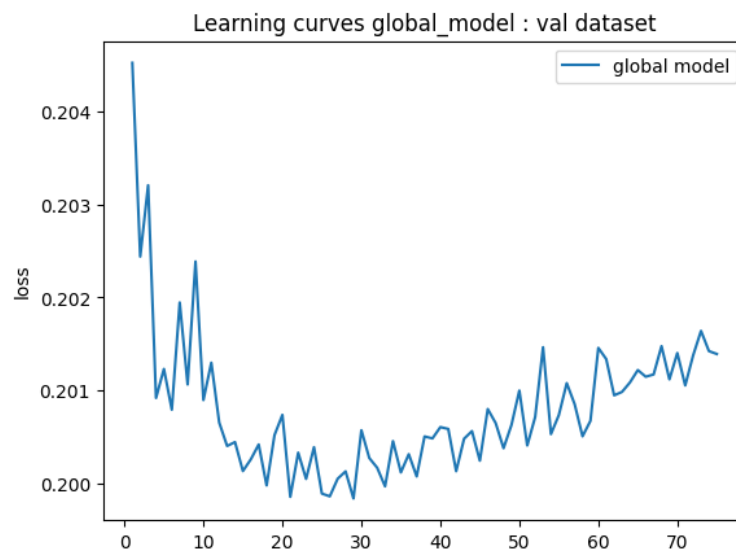


Learning curves 8 : train dataset

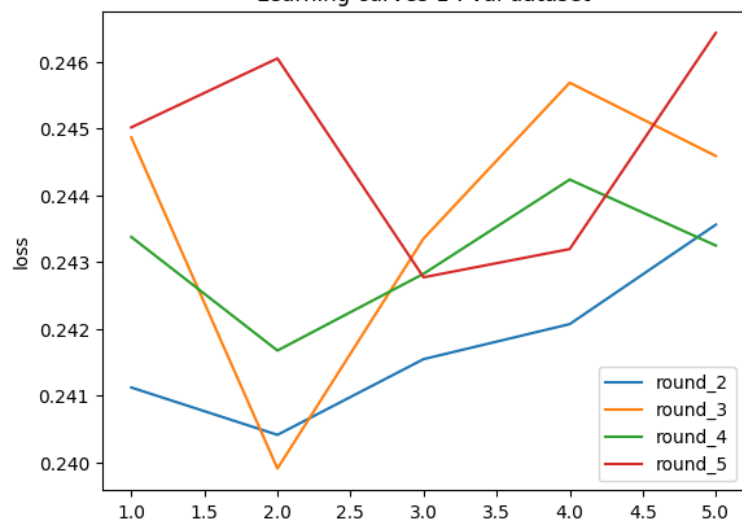




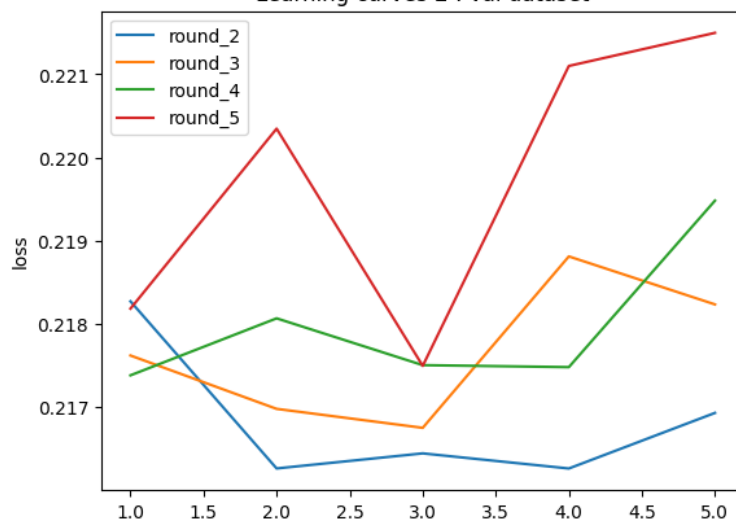
Model Training: Learning curves; Validation dataset



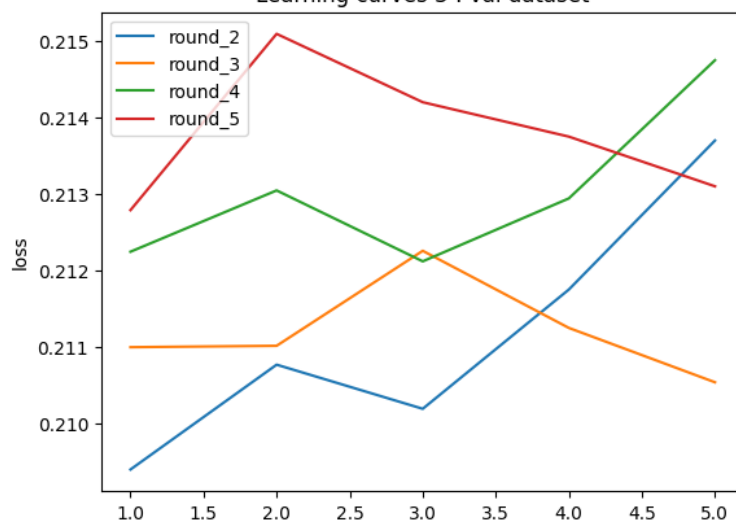
Learning curves 1 : val dataset



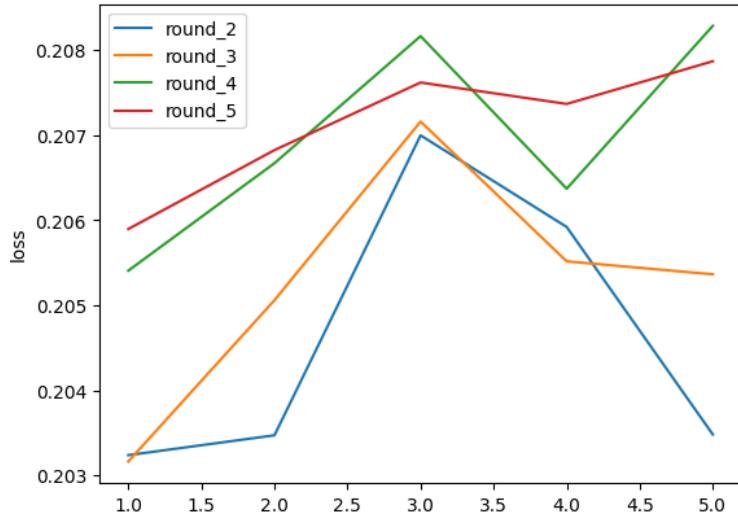
Learning curves 2 : val dataset



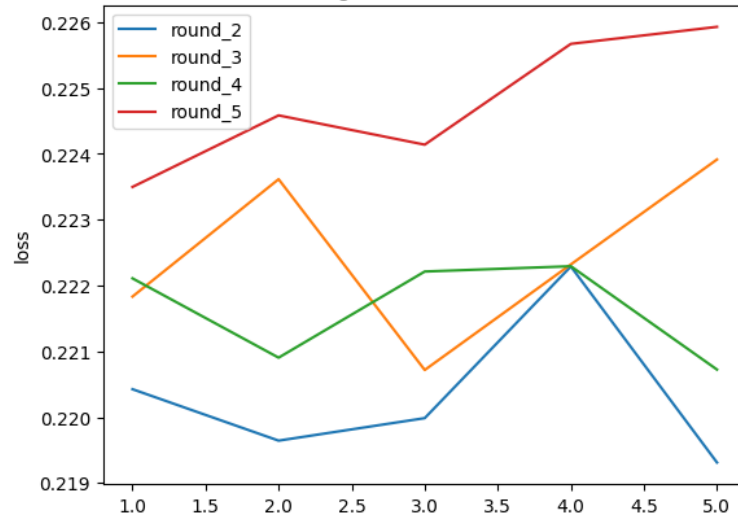
Learning curves 3 : val dataset



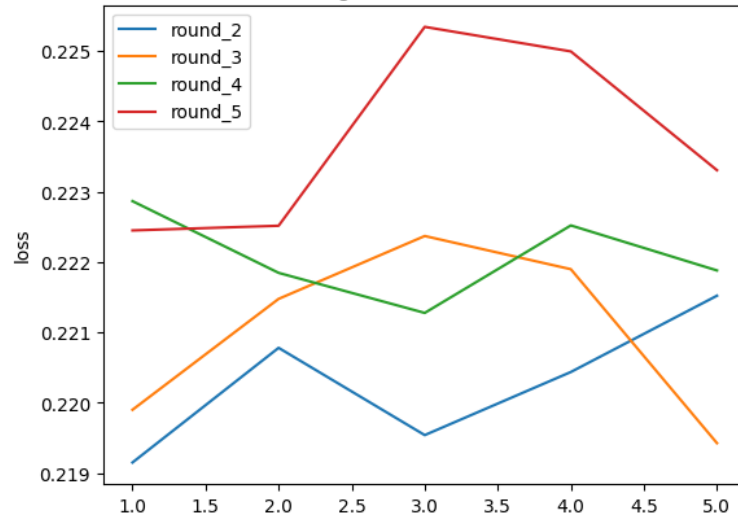
Learning curves 4 : val dataset

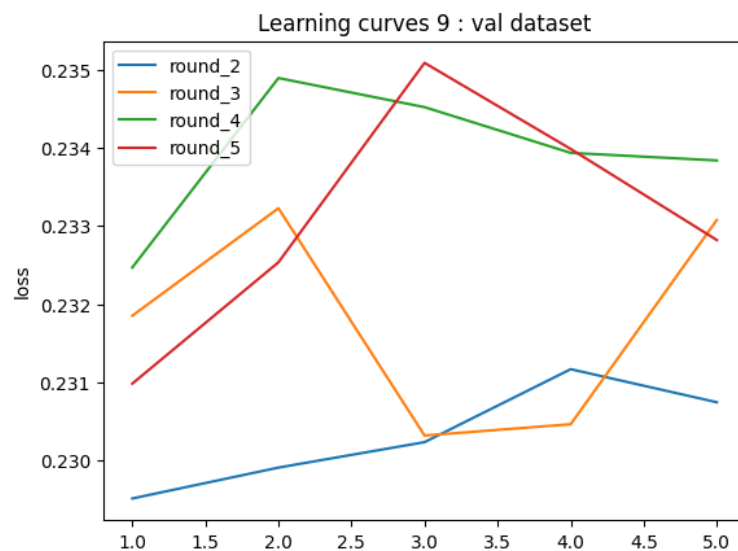
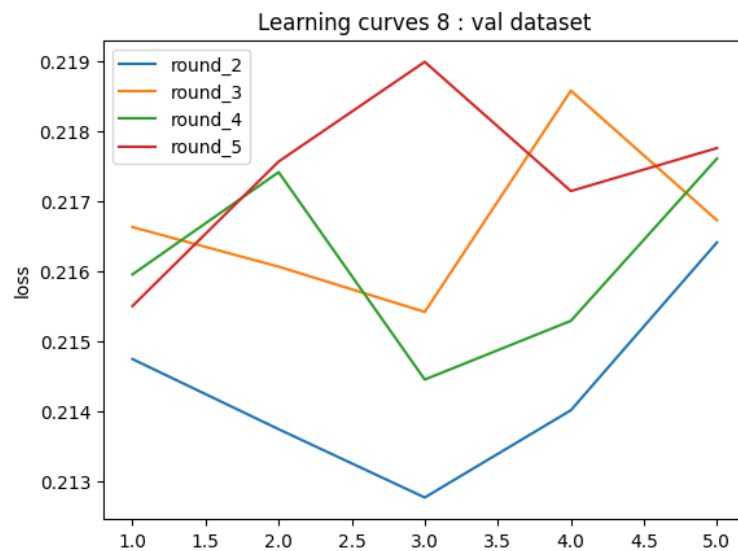
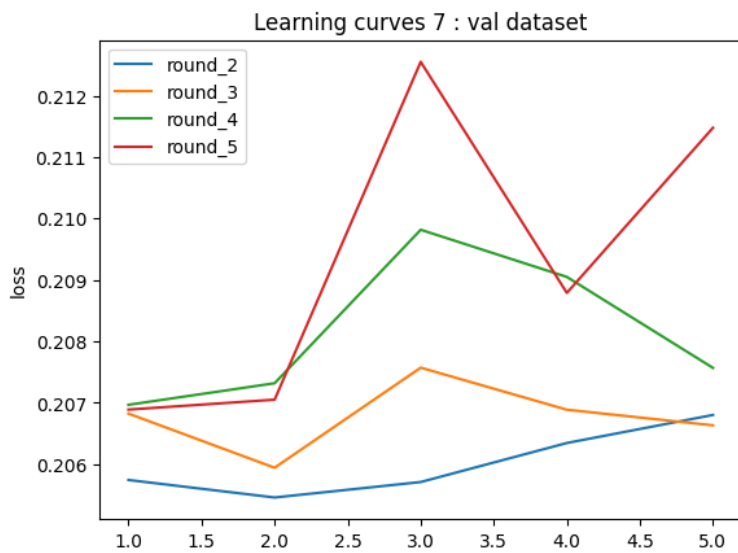


Learning curves 5 : val dataset



Learning curves 6 : val dataset





Test statistics for FL model

Mean Poisson Deviance : 0.299

Prc Poisson Deviance Explained : 0.044

Mean Squared Error : 0.055

R² : 0.025

EV : 0.025

Test statistics for global model

Mean Poisson Deviance : 0.299

Prc Poisson Deviance Explained : 0.046

Mean Squared Error : 0.055

R² : 0.025

EV : 0.025

Test statistics for agent_no 0

Mean Poisson Deviance : 0.309

Prc Poisson Deviance Explained : 0.018

Mean Squared Error : 0.056

R² : 0.006

EV : 0.006

Test statistics for agent_no 1

Mean Poisson Deviance : 0.308

Prc Poisson Deviance Explained : 0.018

Mean Squared Error : 0.056

R² : 0.004

EV : 0.004

Test statistics for agent_no 2

Mean Poisson Deviance : 0.309

Prc Poisson Deviance Explained : 0.016

Mean Squared Error : 0.056

R² : 0.006

EV : 0.006

Test statistics for agent_no 3

Mean Poisson Deviance : 0.309

Prc Poisson Deviance Explained : 0.010

Mean Squared Error : 0.056

R² : 0.004

EV : 0.004

Test statistics for agent_no 4

Mean Poisson Deviance : 0.308

Prc Poisson Deviance Explained : 0.013

Mean Squared Error : 0.056

R² : 0.008

EV : 0.008

Test statistics for agent_no 5

Mean Poisson Deviance : 0.308

Prc Poisson Deviance Explained : 0.016

Mean Squared Error : 0.056

R² : 0.006

EV : 0.006

Test statistics for agent_no 6

Mean Poisson Deviance : 0.307

Prc Poisson Deviance Explained : 0.024

Mean Squared Error : 0.056

R² : 0.010

EV : 0.010

Test statistics for agent_no 7

Mean Poisson Deviance : 0.307

Prc Poisson Deviance Explained : 0.017

Mean Squared Error : 0.056

R^2 : 0.008

EV : 0.008

Test statistics for agent_no 8

Mean Poisson Deviance : 0.310

Prc Poisson Deviance Explained : 0.013

Mean Squared Error : 0.056

R^2 : 0.003

EV : 0.003

Test statistics for agent_no 9

Mean Poisson Deviance : 0.307

Prc Poisson Deviance Explained : 0.022

Mean Squared Error : 0.056

R^2 : 0.005

EV : 0.005

